SAMSUNG

SAMSUNG ELECTRONICS Co., Ltd. 2024 Interim Business Report

For the quarter ended March 31, 2024

Certain statements in the document, other than purely historical information, including estimates, projections, statements relating to our business plans, objectives and expected operating results, and the assumptions upon which those statements are based, are "forward-looking statements." Forward-looking statements are based on current expectations and assumptions that are subject to risks and uncertainties which may cause actual results to differ materially from the forward-looking statements. A detailed discussion of risks and uncertainties that could cause actual results and events to differ materially from such forward-looking statements is included in our financial reports available on our website.

See, also, 『Note on Forward-Looking Statements』 in preamble of 『II. Businesses Overview』.

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Certification

Letter of Certification

We, Jong-hee Han and Hark-kyu Park, as a CEO and the executive in charge of reporting, respectively, certify that we have thoroughly reviewed the annual business report of Samsung Electronics Co., Ltd. for the three-month period ended March 31, 2024.

Based on our knowledge, this report does not contain any untrue statements of material facts or omit any material facts; and it does not contain any statements that are intentionally misleading for the users of the information in the report.

We confirm that Samsung Electronics operates the Internal Controls over Financial Reporting, as defined in Article 8 of the Act on External Audit of Stock Companies.

Date: May 16, 2024

Jong-hee Han

Vice Chairman and CEO Samsung Electronics Co., Ltd.

Executive responsible for reporting: Hark-kyu Park

President and CFO Samsung Electronics Co., Ltd.

I. Corporate Overview

1. Overview

Pursuant to the reporting guidelines set forth by the Financial Supervisory Service of the Republic of Korea (the FSS), the Overview section is not included in the 1Q and 3Q reports. Overview Section is reported in the half-year and full-year business reports.

2. Company History

Pursuant to the reporting guidelines set forth by the FSS of South Korea, the Company history section, reported in the full-year business report, is not included in the interim reports.

3. Changes in Paid-in Capital

Pursuant to the reporting guidelines set forth by the FSS of South Korea, the Changes in paid-in capital section, reported in the full-year business report, is not included in the interim reports.

4. Stock Information

Pursuant to the reporting guidelines set forth by the FSS of South Korea, the Stock information section, reported in the half-year and full-year business reports, is not included in the 1Q and 3Q reports.

5. Changes to Articles of Incorporation

Pursuant to the reporting guidelines set forth by the FSS of South Korea, the Changes to Articles of Incorporation section, reported in the half-year and full-year business reports, is not included in the 1Q and 3Q reports.

II. Businesses Overview

Note on forward-looking statements

This report includes forward-looking statements that relate to future events and can be generally identified by phrases containing words such as "believes," "expects," "anticipates," "foresees," "forecasts," "estimates" or other words or phrases of similar meaning. These forward-looking statements are not guarantees of future performance and may involve known and unknown risks, uncertainties and other factors that may affect our actual results, performance, achievements or financial position, making them materially different from the actual future results, performance, achievements or financial position expressed or implied by these forward-looking statements. Unless otherwise specified, all data presented in this report is from our consolidated financial statements.

Uncertain events that could positively or negatively affect the Company's management condition and financial performance include, but are not limited to:

- Trends of financial markets domestically and abroad, including changes in exchange rates and interest rates
- The Company's strategic decision making, including disposals and purchases of businesses
- Unexpected sudden changes in core businesses such as CE, IM, Semiconductor, DP and Harman
- Other changes domestically and abroad that can affect management condition and financial performance

The Company assumes no obligation to revise or update this report to reflect risks or uncertainties that arise after the reporting period.

(Responsibility statement)

In accordance with article 3(2) c) of the Transparency Law (Luxembourg), Jong-hee Han and Hark-kyu Park, as a CEO and the executive in charge of reporting confirm that, to the best of their knowledge, the consolidated financial statements and the statutory non-consolidated financial statements prepared in accordance with the applicable set of accounting standards give a true and fair view of the assets, liabilities, financial position and profit or loss of the Company and the undertakings included in the consolidation taken as a whole and that the management report includes a fair review of the development and performance of the business and the position of the Company and the undertakings included in the consolidation taken as a whole, together with a description of the principal risks and uncertainties that they face.

1. Overview

In addition to our headquarters in Korea, Samsung Electronics Co., Ltd. (Samsung Electronics, SEC, or the Company) consists of 227 subsidiaries across the world responsible for sales and production, which include 9 regional headquarters for the Device eXperience (DX) Division, 5 regional headquarters for the Device Solutions (DS) Division, and subsidiaries of Samsung Display (SDC) and Harman.

The Company's business divisions form a two-pronged framework consisting of finished products businesses and component businesses. For finished products, the DX Division is responsible for the production and sales of TVs, monitors, refrigerators, washing machines, air conditioners, smartphones, computers, and network systems. For components, the DS Division manufactures and sells DRAM, NAND flash, and mobile Aps; and SDC manufactures and sells panels, including mobile OLED panels. Harman (acquired in 2017) manufactures and sells automotive products such as digital cockpits, car- audio products, and consumer audio products such as portable speakers and soundbars.

See C. Current status of each division and D. Financial summary by organization in ^T7. Other information for more details about each Division.

The Company's corporate headquarters—which oversees the DX and DS Divisions—and 32 consolidated subsidiaries are located in Korea. The headquarters is divided along Divisions and/or Businesses, which are located in Suwon, Gumi, Gwangju, Giheung, Hwaseong, Pyeongtaek, etc. The Company's unlisted domestic subsidiaries include Samsung Display for display panel production, Samsung Electronics Sales for domestic retail sales, Samsung Electronics Service for after- sales services, and Samsung Electronics Logitech for logistics.

We have 195 unlisted overseas subsidiaries for product manufacturing, sales, and R&D, with locations in the US, Europe/CIS, Middle East/Africa, and Asia, etc.

We have 46 subsidiaries in the Americas, including SEA (New Jersey; responsible for the sales of finished products including TV and smartphones), SII (California; manufacturing of TVs), SSI (California; sales of semiconductors and DPs), SAS (Texas; manufacturing of semiconductor products), SEDA (Brazil; manufacturing of multiple finished products) and Harman (Connecticut; automotive components).

In Europe and CIS, we operate 68 subsidiaries, including SEUK (UK), SEG (Germany), SEF (France), SEI (Italy), SERC (Russia) for sales of finished products; SEH (Hungary) and SERK (Russia) for manufacturing TVs, and SEPM (Poland) for manufacturing home appliances.

We have 20 subsidiaries in Middle East and Africa, including SGE (UAE) and SSA (South Africa) for sales of finished products and SEEG (Egypt) and SSAP (South Africa) for manufacturing TVs.

There are 31 subsidiaries in Asia (ex China), including SESP (Singapore), SEAU (Australia), SEPCO (Philippines), and SME (Malaysia), which are responsible for regional sales. In addition, we operate numerous production sites including SEV and SEVT (Vietnam) for smartphones, SEHC (Vietnam) for TVs, SDV (Vietnam) for display panels, and SIEL (India) for multiple products.

We operate 30 subsidiaries in China, including SCIC (Beijing) and SEHK (Hong Kong) for the sales of finished products in those regions; and SSS (Shanghai) and SSCX (Xian) for semiconductor and display panel sales. Production sites for finished products include SSEC (Suzhou) and semiconductor production facilities are located in SCS (Xian) among others.

In 1Q24, the Company recorded total revenue of KRW 71,915.6 billion, an increase of 12.8% year-on-year. Major customers (listed in alphabetical order) included Apple, Deutsche Telekom, Hong Kong Techtronics, Supreme Electronics, and Verizon.

2. Key products and services

A. Revenue

SEC is involved in the production and sales of finished products, including TVs, refrigerators, washers, air conditioners, smartphones, and components such as semiconductors (e.g., DRAM, NAND flash, mobile APs) and mobile OLED panels. Through Harman, the Company also produces and sells digital cockpits, car audio products, portable speakers, and more.

Reported revenue in 1Q24, was KRW 47,292.7 billion (65.8% of total net sales) for DX; KRW 23,137.3 billion (32.2%) for DS; KRW 5,386.4 billion (7.5%) for SDC; and KRW 3,200.3 billion (4.5%) for Harman.

| | | | (KRW 100 mil) | | |
|---------------|---|---------|---------------|--|--|
| Organization | Major products | Revenue | Portion | | |
| DX Division | TVs, monitors, refrigerators, washing machines, air conditioners, smartphones, network systems, computers, etc. | 472,927 | 65.8% | | |
| DS Division | DRAM, NAND flash, mobile APs, etc. | 231,373 | 32.2% | | |
| SDC | OLED smartphone panels, etc. | 53,864 | 7.5% | | |
| Harman | Digital cockpits, car audio products, portable speakers, etc. | 32,003 | 4.5% | | |
| Others | Overlapping internal transactions between Divisions | △71,011 | △10.0% | | |
| Total 719,156 | | | | | |

Includes inter-divisional transactions.

☞ See [¶]4. Revenue and long-term contracts』 for information by each product.

B. Changes in average selling price

In 1Q24, on a year-on-year basis, the average selling price (ASP) of TVs stayed similar and the ASP of smartphones increased by around 17%. Memory-product ASP rose by approximately 28%, and the APS for OLED panels for smartphones decreased by approximately 34%. The ASP of digital cockpits increased by around 1%.

3. Production materials and production facilities

A. Key production materials

For the DX Division, key materials include mobile AP solutions and camera modules, which are supplied by Qualcomm, Semco, etc., and display panels for TVs and monitors, which are supplied by CSOT, etc. For the DS Division, key materials include chemicals and wafers, supplied by Soulbrain, SK Siltron, etc., and for SDC, key materials include FPCAs and cover glass, with suppliers such as BH, Apple, etc. For Harman, key materials include system-on-chip (SoC) products, including microcontroller units, communication modules, etc., which are supplied by Nvidia and WNC, etc.

| Organization | ltem | Specific usage | Purchase price | Portion | Main supplier(s) |
|--------------|----------------------|--|----------------|---------|--|
| | Mobile AP solutions | CPU | 34,915 | 18.7% | Qualcomm, MediaTek, etc. |
| | Display panel | Color picture signaler for TV, monitor | 19,091 | 10.2% | CSOT, AUO, etc. |
| DX Division | Camera module | Camera for smartphone | 17,150 | 9.2% | Semco, Powerlogics, etc. |
| | Others | - | 115,575 | 61.9% | |
| | Sul | o total | 186,731 | 100.0% | |
| | Chemical | Disk processing | 6,404 | 15.6% | Soulbrain, DongWoo Fine- Chem, etc. |
| DS Division | Wafer | Semiconductor disk | 5,583 | 13.6% | SK Siltron, SUMCO, etc. |
| DO DIVISION | Others | - | 29,012 | 70.8% | |
| | Sub total | | 40,999 | 100.0% | |
| | FPCA | Circuit | 4,330 | 17.7% | BH, YP Electronics, etc. |
| | Cover glass | Tempered glass | 2,506 | 10.2% | Apple, Biel, etc. |
| SDC | Others | - | 17,662 | 72.1% | |
| | Sul | Sub total | | 100.0% | |
| | SoC | CPU | 2,046 | 18.2% | Nvidia, Intel, etc. |
| Harman | Communication module | Vehicular communication | 1,017 | 9.0% | WNC (Wistron NeWeb Corp.) etc. |
| | Others | - | 8,205 | 72.8% | |
| | Sub | Sub total | | 100.0% | |
| Others | - | - | 92 | - | |
| | Total | 1 | 263,588 | - | |

Purchase price does not include sales between Divisions.

Portion of purchase price of each item compared to total purchase price for each Division's raw materials.

B. Production material price trends

On a year-on-year basis, the prices of mobile APs and camera modules, which are major production materials for the DX Division, increased by approximately 8% and 13%, respectively. The price of TV- and monitor-use display panels increased in the region of 10%. The price of wafers for semiconductor disks stayed similar, and the price of FPCAs for SDC decreased by approximately 38%. The price of tempered glass cover glass fell by approximately 37%. For Harman, the price of SoCs decreased by about 5% and the price of communication modules decreased by approximately 9%.

X Data include internal transactions between Divisions, etc.

Semco is a subsidiary.

C. Production capacity, output, utilization rate

(Capacity)

| | | Capacity (1,000 units) | | | |
|--------------|-------------------|------------------------|---------------|---------------|--|
| Organization | Item | 1Q24 | 2023 | 2022 | |
| DX Division | TV, monitor, etc. | 13,210 | 53,552 | 55,747 | |
| | Smartphone, etc. | 66,600 | 284,700 | 332,170 | |
| DS Division | Memory | 577,186,808 | 1,926,651,546 | 1,905,731,836 | |
| SDC | Display panel | 569 | 2,320 | 2,700 | |
| Harman | Digital cockpit | 2,841 | 10,912 | 11,257 | |

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Production capacity for major product categories on a consolidated basis.

The DX Divisions' production capacity, by major product, is calculated as follows:

• the average number of lines (×) the average output per hour (×) the average operation hours per day (×) standard days of operation

Memory production capacity for the DS Division is calculated as follows:

• converted output (after packaging, 1Gb equivalent) ÷ the utilization rate

SDC's production capacity is calculated as follows:

• the total producible panel surface area ÷ the dimensions of eighth generation glass (2,200x2,500mm)

Harman's production capacity for Digital cockpit is calculated as follows:

• the number of production (assembly and test) cells for each customer/product (×) the production capacity per hour by production cell (×) the standard operation hours per day (×) standard days of operation

(Output)

In 1Q24, the DX Division's output of TVs, monitors, etc., was 9,919 thousand units (major production sites in Mexico, Vietnam, Brazil, and Hungary), and smartphone output was 52,909 thousand units (major production sites in Korea [Gumi], Vietnam, India, and Brazil). The DS Division's memory output in 1Gb equivalents was 577,187 million (major production sites: Korea [Hwaseong, Pyeongtaek, etc.] and China). SDC's display panel output in 8th generation glass equivalents was 387,000 units (major production sites in Korea [Cheonan, Asan]). Harman's Digital cockpit output was 1.811 million units (major production sites in Mexico, Hungary, and China).

| Organization | Itom | Output | | | |
|--------------|-------------------|-------------|---------------|---------------|--|
| | ltem | 1Q24 | 2023 | 2022 | |
| DX Division | TV, monitor, etc. | 9,919 | 40,085 | 41,802 | |
| DX Division | Smartphone, etc. | 52,909 | 189,991 | 229,180 | |
| DS Division | Memory | 577,186,808 | 1,926,651,546 | 1,905,731,836 | |
| SDC | Display panel | 387 | 1,407 | 2,008 | |
| Harman | Digital cockpit | 1,811 | 7,658 | 8,334 | |

Output for major product categories on a consolidated basis.

(Utilization rate)

DX utilization rates in 1Q24 were calculated as actual output relative to production capacity. The utilization rates were 75.1% for TVs, monitors, etc. and 79.4% for smartphones, etc.

| | | | | (1,000 units) |
|--------------|-------------------|---------------------|--------|------------------|
| Organization | ltom | | 1Q24 | |
| Organization | ltem | Production capacity | Output | Utilization rate |
| | TV, monitor, etc. | 13,210 | 9,919 | 75.1% |
| DX Division | Smartphone, etc. | 66,600 | 52,909 | 79.4% |

The DS Division and SDC respectively operate memory and display panel production in three shifts covering 24 hours a day. Cumulative operating days including holidays were 365 days in 1Q24. The utilization rate was calculated as the actual production time relative to the potential production capacity [operating days (×) number of production lines (×) 24 hours].

| | | | | (Hours) | | |
|--------------|---------------|---------------------------|------------------------|------------------|--|--|
| Organization | ltem | 1Q24 | | | | |
| Organization | nem | Potential production time | Actual production time | Utilization rate | | |
| DS Division | Memory | 21,840 | 21,840 | 100% | | |
| SDC | Display panel | 10,920 | 10,920 | 100% | | |

In 1Q24, Harman's utilization rate was 63.7% and was calculated as actual output relative to production capacity.

| Omeniation | 14 | , | 1Q24 | (1,000 units) |
|--------------|-----------------|---------------------|--------|------------------|
| Organization | ltem | Production capacity | Output | Utilization rate |
| Harman | Digital cockpit | 2,841 | 1,811 | 63.7% |

D. Production facilities and investment

(Key facilities for production and operation)

The Company's operational activities include production, development, marketing, and sales. In Korea, operations are located in Suwon, Gumi, Gwangju, Hwaseong, Pyeongtaek, and Asan. Overseas operations in North America, Europe, and China include a total of nine regional headquarters under the DX Division, five regional headquarters under the DS Division, and subsidiaries of SDC and Harman.

[Operations]

| Region | Operations | Location |
|----------------------------|------------|----------|
| | Suwon | Suwon |
| Korea | Seocho | Seoul |
| (DX Division, DS Division, | Woomyeon | Seoul |
| SDC – 12 work sites) | Giheung | Yongin |
| | Hwaseong | Hwaseong |

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| | Pyeongtaek | Pyeongtaek |
|---------------------------|--|----------------------------|
| | Cheonan | Cheonan |
| | Onyang | Onyang |
| | Asan | Asan |
| | Gumi1 | Gumi |
| | Gumi2 | Gumi |
| | Gwangju | Gwangju |
| | North America | New Jersey, US |
| | Europe | Surrey, UK |
| | China | Beijing, China |
| Overseas | Southeast Asia | Singapore, Singapore |
| (DX Division – 9 regional | Southwest Asia | Haryana, India |
| headquarters) | CIS | Moscow, Russia |
| | Middle East | Dubai, UAE |
| | Africa | Johannesburg, South Africa |
| | Latin America | Sao Paolo, Brazil |
| | Americas | San Jose, US |
| Overseas | Europe | Munich, Germany |
| (DS Division – 5 regional | China | Shanghai, China |
| headquarters) | Southeast Asia | Singapore, Singapore |
| | Japan | Tokyo, Japan |
| | North America HQ | Connecticut, US |
| | Harman Becker Automotive Systems, Inc. | Michigan, USA |
| Harman | Harman Becker Automotive Systems GmbH | Karlsbad, German <u>y</u> |
| | Harman Consumer Nederland B.V. | Amsterdam, Netherlands |

The Company's property, plant and equipment include land, buildings and structures, machinery and equipment, and construction in progress. As of March 31, 2024, the total book value was KRW 191,155.6 billion, which is an increase of KRW 3,899.3 billion from end-2023.

| | (KRW 100 mil)Classification | Land | Buildings and structures | Machinery and equipment | Under construction | Other tangible assets | Total |
|-----------------|--|---------|--------------------------|-------------------------|--------------------|--------------------------|------------|
| Dec 31, 2023 | Book value | 99,994 | 432,381 | 833,092 | 467,203 | 39,893 | 1,872,563 |
| | - Acquisition cost | 101,580 | 736,900 | 3,285,615 | 467,203 | 140,586 | 4,731,884 |
| | - Accumulated depreciation (including impairment loss) | -1,586 | -304,519 | -2,452,523 | - | -100,693 | -2,859,321 |
| | General acquisition and capital expenditure | 564 | 12,496 | 58,712 | 41,952 | 4,012 | 117,736 |
| Channe | Depreciation ¹⁾ | -123 | -10,302 | -78,039 | - | -3,849 | -92,313 |
| Change | Disposal/discard/ impairment | -6 | -1,052 | -134 | - | -115 | -1,307 |
| | Others ²⁾ | 215 | 4,953 | 3,681 | 5,493 | 535 | 14,877 |
| | Book value | 100,644 | 438,476 | 817,312 | 514,648 | 40,476 | 1,911,556 |
| Mar 31, 2024 | - Acquisition cost | 102,312 | 754,494 | 3,366,763 | 514,648 | 145,294 | 4,883,511 |
| | - Accumulated depreciation (including impairment loss) | -1,668 | -316,018 | -2,549,451 | - | -104,818 | -2,971,955 |

Market value of major tangible assets is omitted as objective assessment is difficult.

1) Land-depreciation is depreciation expense of right-of-use asset as per K-IFRS 1116 (Lease).

2) Includes effects of FX rates and government subsidies.

(Capex)

The Company's capex in 1Q24 was approximately KRW 11.3 trillion, with investments concentrating on capacity expansions and migration to advanced nodes; and also on infrastructure for the DS Division and SDC. To prepare for improved global market conditions, the Company in 2024 will keep monitoring investments to strengthen competitiveness for next-generation technologies and prepare for medium- to long-term demand while also fortifying its fundamentals by enhancing investment efficiency.

[Capex, by organization]

| | | | | (KRW 100 mil) |
|--------------|----------------------------------|---------------------|-----------------------------|---------------|
| Organization | Purpose | Period | Assets | Investment |
| DS division | Establishment, addition, upgrade | January–March 2024 | Buildings, facilities, etc. | 96,663 |
| SDC | Establishment, addition, upgrade | January– March 2024 | Buildings, facilities, etc. | 11,410 |
| Other | Establishment, addition, upgrade | January– March 2024 | Buildings, facilities, etc. | 5,014 |
| | 113,087 | | | |

4. Revenue and long-term contracts

A. Revenue

In 1Q24, the Company recorded total revenue of KRW 71, 915.6 billion, an increase of 12.8% year-on-year. By organization, when compared to the same period last year, revenue increased by 2.3% and 68.5% in the DX Division and DS Division, respectively, and decreased by 18.6% in SDC. Revenue of Harman increased 1.1%.

| | | | | | (KRW 100 mil) |
|--|---|---|----------|-----------|---------------|
| Organization | Revenue types | Product categories | 1Q24 | 2023 | 2022 |
| DX Division | Goods, products, services, other | TVs, monitors, refrigerators, washing machines, air conditioners, smartphones, network systems, computers, etc. | 472,927 | 1,699,923 | 1,824,897 |
| DS Division | Goods, products, services, other | DRAM, NAND flash, mobile APs, etc. | 231,373 | 665,945 | 984,553 |
| SDC | Goods, products, services, other | OLED panels for smartphones, etc. | 53,864 | 309,754 | 343,826 |
| Harman | Goods, products, services, other Digital cockpit, car-audios, portable-speakers, etc. | | 32,003 | 143,885 | 132,137 |
| Others Overlapping internal transactions between Divisions | | -71,011 | -230,152 | -263,099 | |
| T 1 1 1 1 1 | Total | | | 2,589,355 | 3,022,314 |

Includes inter-divisional transactions.

(1) Sales, by major product (consolidated basis)

| | | | (KRW 100 mil) |
|---------------------|---------|-----------|---------------|
| Classification | 1Q24 | 2023 | 2022 |
| TVs, monitors, etc. | 72,340 | 303,752 | 332,795 |
| Smartphones, etc. | 327,914 | 1,086,325 | 1,154,254 |
| Memory | 174,943 | 441,254 | 685,349 |
| Display panels | 53,864 | 309,754 | 343,826 |

Includes inter-divisional transactions.

(2) Revenue, by type

(KRW 100 mil)

| Classification | 1Q24 | 2023 | 2022 |
|----------------------------|---------|-----------|-----------|
| Products | 694,159 | 2,461,380 | 2,903,461 |
| Services and other revenue | 24,997 | 127,975 | 118,853 |
| Total | 719,156 | 2,589,355 | 3,022,314 |

Other revenue consists of royalty income, etc.

(3) Revenue, by region (on a separate basis)

| (| KRW | 100 | mil) |
|---|---------|-----|------|
| | 1717.14 | 100 | mmj |

| C | lassification | 1Q24 | 2023 | 2022 |
|----------|-----------------|---------|---------|---------|
| Domestic | | 60,791 | 205,196 | 221,799 |
| | Americas | 141,301 | 510,934 | 659,617 |
| Export | Europe | 74,994 | 239,342 | 265,147 |
| Export | Asia and Africa | 87,764 | 326,262 | 425,114 |
| | China | 147,546 | 422,007 | 546,998 |

| Total | 512,396 | 1,703,741 | 2,118,675 |
|-------|---------|-----------|-----------|
| | 4 1 · | | |

Domestic consumption and exports on a separate basis.

B. Sales channels

(1) Domestic

| Seller | Sales channel | Consumer |
|------------------|---|----------|
| | Exclusive agencies | |
| Manufacturer and | Distributor (general merchandise stores, discount stores, department stores, home-shopping, online, etc.) | |
| buyer | Telecommunication service provider (SKT Co., Ltd., KT Corp., LG Uplus Corp.) | Consumer |
| | Direct Sales (B2B and online channels) | |

(2) Overseas

| Seller | Sales channel | | | | Consumer | |
|--------------|------------------------------|--|-----------------------|----------|----------|----------|
| | | | Retailer | | | |
| | | Dealer | | Retailer | |] |
| 2 | Regional sales office | Distributor | Dealer | Ret | ailer | 1 |
| Production | | Telecommunication service provider, automotive OEM | | | | Consumer |
| subsidiaries | | Direct sales (B2B and online channels) | | | | Consumer |
| | Regional distribution office | | | Retailer | | |
| | | | Regional sales office | Dealer | Ret | ailer |
| | | | Distributor | Dealer | Retailer | |

(3) Sales ratio (global), by channel

| Channel | Wholesale | Retail | Special/direct sales | Others |
|---------|-----------|--------|----------------------|--------|
| Ratio | 18% | 26% | 46% | 9% |

C. Sales methods and conditions

(1) Domestic

| Classification | Channel | Collection | Incidental expense sharing |
|------------------------------------|--|-------------------------------------|--|
| Exclusive | Retailer | Credit specific | Case specific cost sharing as determined by mutual agreement |
| Distributor | General merchandise store, discount store, department store, home shopping, online, etc. | Case specific and contract specific | Case specific cost sharing as determined by mutual agreement |
| Telecommunication service provider | SKT Co., Ltd., KT Corp., LG Uplus Corp. | Case specific and contract specific | Case specific cost sharing as determined by mutual agreement (joint marketing) |
| B2B and online channels | Corporate clients, etc. | Case specific and contract specific | N/A |

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(2) Overseas

| Classification | Channel | Collection | Incidental expense sharing |
|-------------------------|--|-------------------------------------|--|
| Retailer | Retail store | Case specific and contract specific | Case specific cost sharing as determined by mutual agreement |
| Dealer | General merchandise store, discount store, department store | Case specific and contract specific | Case specific cost sharing as determined by mutual agreement |
| Distributor | Direct sales to local distributors | Case specific and contract specific | Case specific cost sharing as determined by mutual agreement |
| B2B and online channels | Corporate clients, etc. | Case specific and contract specific | N/A |

D. Sales strategy

- Expand market leadership based on premium products
- Provide differentiated value to customers through brand, products, and services
- Strengthen marketing activities to boost demand from customer/market

E. Major customers

In 1Q24, major customers (listed alphabetically) included Apple, Deutsche Telekom, Hong Kong Tech tronics, Supreme Electronics, and Verizon. Sales to the five major customers accounted for approximately 13% of total sales.

F. Long-term contracts

As of March 31, 2024, there were no long-term contracts that have a significant impact on the Company's financial statement.

5. Risk management and derivative trading

A. Financial risk management policy

The Company focuses on minimizing market risk, credit risk, and liquidity risk arising from operating activities. To mitigate these risks, the Company monitors each risk factor and operates corresponding financial risk management policies and programs.

The Company manages financial risks by establishing global financial risk management policies and periodically assessing risks associated with our customers and business partners; and via monitoring foreign exchange hedging and balance of funds.

Meanwhile, the Company manages exchange rate risk via monitoring exchange rates and executing transactions through local finance centers in each major region (United States, United Kingdom, Singapore, China, Brazil, and Russia). Liquidity risk is managed by managing capital as a whole by each region.

The Company's assets that are under financial risk management consist of cash and cash equivalents, short-term financial instruments, financial assets at amortized cost, trade receivables and others. The Company's liabilities under financial risk management consist of trade payables, borrowings, and others.

B. Major financial risks

(1) Market risk

(Foreign exchange risk)

The Company operates internationally and is exposed to foreign exchange risks as it conducts transactions in currencies other than the functional currency. Major currencies that are exposed to foreign exchange risk include USD, EUR, and others.

The Company focuses on minimizing the impact of foreign exchange fluctuation by maintaining an equal amount of assets and liabilities denominated in each foreign currency. To minimize foreign exchange positions, the Company's foreign exchange management policy requires transactions for normal business (including imports and exports) and for financing (such as deposits/borrowings) to be in the functional currency or for the cash-in currency to match the cash-out currency. If foreign exchange positions arise, the Company uses bond sales, forward exchanges, etc., to mitigate impacts of exchange- rate fluctuations. While such measures can reduce foreign exchange risk, they cannot remove the risk entirely. The Company efficiently manages foreign exchange risk through regular monitoring and assessments, and speculative foreign exchange transactions are strictly forbidden.

(Interest rate risk)

Interest rate risk arises from changes in the market interest rate and subsequent fluctuations in cash flows from interest income and expenses from investment and financial activities, mainly in deposits and variable-rate borrowings. The Company employs internal fund sharing to minimize external borrowings and minimize financial costs and uncertainties associated with interest rate changes.

(Stock price risk)

The Company's investment portfolio consists of direct and indirect investments in equity securities classified as financial assets at fair value through other comprehensive income and financial assets at fair value through profit or loss, which is in line with the Company's strategy.

As of March 31, 2024, a price fluctuation of marketable equity securities (listed stocks) of 1% changes 'other comprehensive income' (before income tax) by KRW 58,830 million and 'profit before tax' by KRW 2,333 million. The figures as of the same date in 2023 were KRW 111,415 million and KRW 5,354 million, respectively.

(2) Credit risk

Credit risk arises during the normal course of transactions and investing activities where clients or other parties fail to discharge an obligation. The Company sets and manages the client's and counterparty's credit limit, and evaluates their financial credit rating on a periodic basis based on the client's and counterparty's financial conditions, default history and other important factors. Adequate insurance coverage is maintained for trade receivables related to trading partners situated in higher risk countries.

Credit risk can arise from transactions with financial institutions, which include financial instrument transactions such as cash and cash equivalents, savings, and derivative instruments. To minimize such risk, the Company transacts only with banks that have a strong international credit rating (S&P A and above), and all new transactions with financial institutions with no prior transaction history are carried out after a soundness evaluation, etc. The Company generally enters into a financial agreement with no restrictions, such as debt ratio covenants, provision of collateral, and loans or borrowings repayment. The Company requires separate approval for contracts with restrictions.

The Company estimates that its maximum exposure to credit risk is equivalent to the carrying amount of its financial assets, which has been reflected after deducting the impairment losses.

(3) Liquidity risk

Liquidity risk refers to the possibility of a company having difficulties in fulfilling its obligations related to financial liabilities. Our main sources of liquidity are cash generated by business operations and funds procured from capital market and financial institutions. The main demands on our liquidity include investment for production and R&D, working capital, and dividend payouts.

The nature of our business requires making large investments, so maintaining an adequate liquidity is crucial. We maintain and manage our liquidity by estimating required cash, managing income and expenses, etc.

The Company effectively manages its liquidity risk by periodically forecasting projected cash flows and by utilizing regional cash pooling, which allows for the use of internal funds when an entity in a region lacks liquidity. The cash-pooling program allows sharing of surplus funds among entities and contributes to minimizing liquidity risk and reducing capital operation expenses and financial expenses.

In addition, the Company's headquarters provides payment guarantees to overseas subsidiaries to secure credit limit to brace for potential large liquidity needs. As of the reporting period end date, our investment ratings from international rating agencies Moody's and S&P are Aa2 and AA-, respectively, allowing us to raise capital in the capital market in a timely manner.

(4) Capital risk

The purpose of capital management is to protect our capability of continuously providing profit to our shareholders and stakeholders and to maintain a sound capital structure. To this end, the Company monitors capital on the basis of credit rating and the ratio of total liabilities to total equity.

As of March 31, 2024, the figures for total liabilities and total equity are as follows:

| | | (KRW mil) |
|-----------------------------------|--------------|--------------|
| | Mar 31, 2024 | Dec 31, 2023 |
| Total liabilities | 98,983,688 | 92,228,115 |
| Total equity | 371,916,124 | 363,677,865 |
| Total liabilities to equity ratio | 26.6% | 25.4% |

(IZDIU '1)

C. Derivative instruments and put options

The Company hedges foreign currency positions by trading currency forward contracts of currencies other than won for the purpose of managing foreign exchange risk. Currency forwards are bought through a bank in the purpose of trade and hedging.

As of March 31, 2024, the Company had 2,843 currency forward contracts involving 28 foreign currencies, such as USD, EUR, and JPY, and the book value of assets and liabilities as well as related gain and loss were as follows:

(KRW mil)

| | Assets | Liabilities | Valuation gain | Valuation loss |
|-------------------|---------|-------------|----------------|----------------|
| Currency forwards | 100,657 | 55,998 | 176,423 | 183,687 |

According to the shareholders' agreement signed with Rainbow Robotics, its major shareholder, etc., the Company has the right, within a specific time period, to demand that the major shareholder, etc., sell all or part of their Rainbow Robotics shares to the Company or the third party designated by the Company. Moreover, the major shareholder, etc., of Rainbow Robotics has the right to demand that the Company sell all or part of the Company's Rainbow Robotics shares back to the major shareholder, etc., under certain conditions. Fair value of the above call option as of March 31, 2024, was evaluated by Deloitte Anjin LLC.

Furthermore, Samsung Display (a subsidiary of the Company) may exercise its put option to sell part of its shares of Corning Incorporated back to Corning, according to the stock trade contract with Corning on April 8, 2021.

Samsung Display may exercise its put option to sell all or part of its shares of TCL China Star Optoelectronics Technology Co. Ltd. (CSOT) to TCL Technology Group Corporation (TCL), if CSOT remains unlisted within the listing period, according to the shareholders' agreement executed with TCL and CSOT on April 1, 2021.

Fair value of the above put option as of March 31, 2024, was evaluated by Earnest & Young Global Limited.

6. Major contracts and research and development activities

A. Major contracts

| Account | Contract information | Contents |
|----------------------|----------------------|--|
| Туре | | Patent cross-license agreement |
| Caasla | Date | Jan 25, 2014 |
| Google | Purpose and contents | Secure business flexibility through mutual patent licensing |
| | Other | Permanent license contract (including patent applications in the next 10 years) |
| Туре | | Process technology license agreement |
| GlobalFoundries Inc. | Date | Feb 28, 2014 |
| | Purpose and contents | Expand customer base of 14nm process |
| Type EMADA | | EMADA |
| Google | Date | Feb 27, 2019–Dec 31, 2024 (extended) |
| | Purpose and contents | Licensing agreement for using Google apps (Play Store, YouTube, etc.) in 32 European countries (EEA) |
| Friessen | Туре | Patent cross-license agreement |
| Ericsson | Date | May 7, 2021 |

| | Purpose and contents | Secure business flexibility through mutual patent licensing |
|----------|----------------------|--|
| | Туре | Patent cross-license agreement |
| Qualcomm | Date | July 6, 2022 |
| | Purpose and contents | Secure business flexibility through mutual patent licensing and signing of covenant not to sue |
| | Туре | Patent cross-license agreement |
| Huawei | Date | Jul 13, 2022 |
| | Purpose and contents | Secure business flexibility through mutual patent licensing |
| | Туре | Patent cross-license agreement |
| Nokia | Date | January 19, 2023 |
| | Purpose and contents | Secure business flexibility through mutual patent licensing |

Information that are trade secrets, such as contract amounts, etc., are not stated herein.

B. Summary of R&D activities and expenditures

The Company is leading the global market by continuously developing creative and innovative products and industryleading technology through shifting its way of thinking and understanding customer demand. The Company is doing its utmost to cement its position in the global IT industry and become a worldwide leader in industrial technology by creating and securing next-generation technology.

As of March 31, 2024, the Company's year-to-date R&D expenses were KRW 7,820.1 billion. Among this, KRW 7,820 billion was recognized as expenditures, excluding government subsidies and capitalized expenses.

(R&D expenses)

| | | | | (KRW mil) |
|--|---|-----------|------------|------------|
| | | 1Q24 | 2023 | 2022 |
| Total R&D expe | nditures | 7,820,071 | 28,352,769 | 24,929,171 |
| (Government su | ubsidies) | -31 | -13,045 | -9,973 |
| R&D expenditur | res | 7,820,040 | 28,339,724 | 24,919,198 |
| Accounting | Capitalization of development expenses (intangible asset) | - | - | -193,708 |
| | R&D costs (expenses) | 7,820,040 | 24,919,198 | 22,401,726 |
| R&D expenses/revenue ratio ¹⁾ | | 10.9% | 10.9% | 8.2% |

Consolidated basis.

1) Calculated using total R&D expenditures, which includes government subsidies.

C. R&D organization and operations

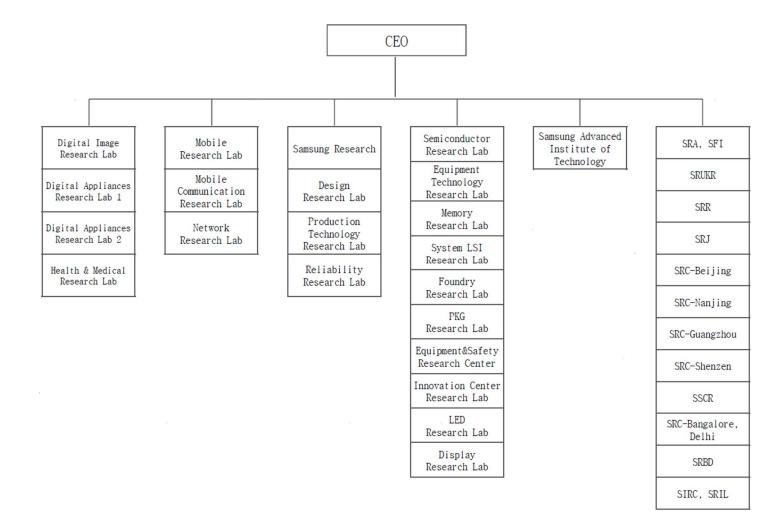
(Domestic)

The Company's R&D organizations are systematically structured into three levels based on the timing of technological commercialization. R&D teams of business units under each Division develop market-ready technologies with a 1–2

year outlook, while research institutes under each Division, such as Samsung Research and semiconductor research centers, drive development of promising technologies with a mid- to long-term outlook of 3–5 years. Also, Samsung Advanced Institute of Technology (SAIT), our comprehensive research institute, pioneers the development of core technology as seeds for future growth engines. SAIT operates at a company level and offers direction for R&D related to promising growth areas, strengthens technological competitiveness for our main businesses, and performs R&D activities to establish a creative R&D framework.

(Overseas)

The Company operates R&D organizations in the US (SRA, SFI), Ukraine (SRUKR), Russia (SRR), Japan (SRJ), China (SRC- Beijing, SRC-Nanjing, SRC-Guangzhou, SRC-Shenzhen, SSCR), India (SRI-Bangalore and SRI-Delhi), Bangladesh (SRBD), Israel (SIRC and SRIL), etc., to carry out research activities for product development and basic technological research.



As of March 31, 2024.

D. R&D results

| er elements | | | | |
|-------------|--|--|--|--|
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| SDC | | | | |
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| - | | | | |

The Company's key R&D results by organization in 2023 are as follows:

Please refer to ^[]Appendix-4. R&D results (detailed)_[] for more details.

7. Other information

A. Intellectual property

Intellectual property activities are an integral part of our R&D strategies—SEC registered its first US patent in 1984 and currently holds 250,691 patents around the world. The Company holds the highest number of its patents in the US and aims to address conflicts in the US more effectively.

(Number of patents registered in each country)

| [As of March 31, 2024] (Unit: No. of patents) | | | | | | nit: No. of patents) | |
|---|--------|--------|--------|--------|-------|----------------------|---------|
| Country | Korea | US | Europe | China | Japan | Others | Total |
| No. of patents | 58,997 | 94,903 | 45,448 | 24,709 | 8,938 | 17,696 | 250,691 |

In 1Q24, the Company invested KRW 7.8 trillion in R&D and registered 1,979 domestic and 2,505 US patents.

(Number of patent registrations per year)

| (i tumber of patent regist | (Unit: No. of patents) | | |
|----------------------------|------------------------|-------|-------|
| Country | 1Q24 | 2023 | 2022 |
| Korea | 1,979 | 8,909 | 9,136 |
| US | 2,505 | 8,952 | 8,490 |

These patents are mostly related to smartphones, smart TVs, memory, and system LSI products for the Company's strategic business products or for future use. These patents not only protect the Company's business but also play a role in keeping similar technology and patents, as well as competitors, in check. Additionally, the Company is focusing on securing early patents in new technologies ahead of others, in order to protect opportunities and have the freedom to operate when entering new businesses.

The Company has licensing agreements with Google (signed in January 2014), Ericsson (May 2021), Qualcomm (July 2022), Huawei (July 2022), and Nokia (January 2023) through which the Company has secured an extensive patent protection in mainstay businesses as well as in the fields of new business.

The Company has also been focusing on securing design patents to protect its original design applied to smartphones and smart TVs. In 1Q24, the Company acquired 138 US design patents.

B. Environmental regulations

The Company strictly abides by environmental regulations on products and in the workplace, as prescribed by law. In addition, in accordance with "the low carbon green growth policy" of the Korean government, the Company reports "the amount of greenhouse gas emission and energy use" to the government and provides related information to stakeholders by providing various reports, including the Samsung Sustainability Report.

(Environmental regulation of products)

Environmental regulation of products are becoming stricter, reflecting the concerns of governments and regulators about potential direct and indirect impact of products to consumers' health and safety as consumers. Accordingly, the Company is working to minimize the environmental impact throughout the entire life cycle of products from the development stage of components and products to manufacturing, distribution, use, and disposal. The Company offers "Eco-Partner Certification" to suppliers for components free of harmful substances, and runs an "eco-design evaluation" system to reflect eco-friendly elements on products (reduced use of resources, energy and harmful substances, and the use of eco-friendly materials) at the development stage, and operates a "waste electronics collection recycle system" in Europe, North America, Korea, and India for collecting and recycling waste electronics. These activities are in line with domestic and foreign environmental laws on electronics and are a differentiation factor for the Company and its products.

Relevant laws are as follows:

- 1. law on collection and recycle of waste electronics (e.g., EU WEEE Directive)
- 2. limit on the use of harmful substances (e.g., EU RoHS Directive, REACH Regulation)
- 3. regulation on energy efficiency (e.g., EU ErP Directive)

(Environmental regulations in the workplace)

The Company operates environmental pollution prevention facilities to reduce air pollution, water pollution, and waste disposal, and to minimize the discharge of pollutants, thereby minimizing impact on the surrounding environment.

Environmental management of workplace is supervised by the relevant government authorities. All production facilities, domestic and overseas, have acquired the International Occupational Health and Safety Management System Certification (ISO 14001, ISO 45001) to strengthen compliance.

Major relevant domestic and international laws are as follows:

- 1. Regulations related to emission of pollutants: Water Quality and Ecosystem Conservation Act, Clean Air Conservation Act, Wastes Control Act, Noise and Vibration Control Act, Environmental Impact Assessment Act
- 2. Management of greenhouse gas emission: Act on Allocation and Trading of Greenhouse Gas Emission, Framework Act on Carbon Neutrality and Green Growth for Coping with Climate Crisis
- 3. Others: Toxic Chemicals Control Act, Act on the Registration and Evaluation, etc. of Chemical Substances, Odor Control Law, Soil Environment Conservation Act

(Greenhouse gas emission and energy consumption management)

According to Article 27 (Greenhouse Gas Target Control of Controlled Emitter) of the Framework Act on Carbon Neutrality and Green Growth for Coping with Climate Crisis, the Company falls under the category of "controlled emitter," which is an entity designated for greenhouse gas target management. Therefore, in accordance with Article 27 (3) of the above mentioned Act and Article 24 (Reporting and Verification of Amounts of Emissions) of the Act on the Allocation and Trading of Greenhouse-gas Emission Permits, the Company's greenhouse gas emissions and energy usage, verified by a third-party, have been reported since May 2011 to the relevant authorities and opened to stakeholders. The reported amount of greenhouse gas emission and energy use are provided below:

(Unit: tCO₂-eq, TJ)

| | 2023 | 2022 | 2021 |
|---------------------------------------|------------|------------|------------|
| Greenhouse gas (tCO ₂ -eq) | 17,344,446 | 19,285,537 | 19,267,835 |
| Energy (TJ) | 301,604 | 290,111 | 274,298 |

Consolidated basis;

Domestic manufacturing facilities, office buildings, buildings owned by the Company, leased buildings, etc.

Reported Greenhouse gas emission excludes ozone depletion substances (ODS).

Amounts may differ based on results of governmental evaluations on emissions.

From 2015, in accordance with the Article 8 (Designation of Business Entities Eligible for Allocation) of the Act on the Allocation and Trading of Greenhouse-Gas Emission Permits, the Company is an eligible business entity under the Act.

C. Current status of each division

[DX Division]

□ Industry overview

1) TV Industry

TVs, key products of the DX Division, and the TV industry have experienced continual innovations targeting picture quality. The black- and-white TV was first developed in 1926, and the color TV in 1954. Further developments in the industry led to the creation of products such as flat panel TVs (LCD/PDP), Smart TVs, super-large TVs (QLED/OLED/Neo QLED), and Micro LED. TVs incorporate not only various technologies—chip design, circuit development, image/signal processing, and AI picture quality improvement—but also operating systems and various software to ensure smooth operation of platforms and applications. With the advancement of IoT technology, TVs can control an increasing array of digital appliances, emphasizing the TV as a central screen hub more than ever before.

The TV industry is fiercely competing to achieve the highest picture quality by integrating technologies such as Micro LED, Neo QLED and OLED. The TV market, previously dominated by models in the 55- to 65-inch range, is now fueled by ultra-large products of over 75 inches, which reach up to 98 inches in size.

Surpassing the previous 4K standard, 8K TVs are opening new markets, and TVs are now implementing technologies capable of automatically upscaling HD and FHD to higher levels.

TVs are transforming into a futuristic digital appliance as the industry adopts AI technologies. Firms, working to incorporate AI technologies into TVs, are adopting AI SoCs, optimizing picture and sound quality, and further strengthen the AI function that upscales content from lower definitions. With such technologies, TVs are able to connect digital appliances and conduct real-time monitoring while also offering new services such as maximizing energy efficiency providing an emergency alarm system.

Meanwhile, the way people perceive TV has changed dramatically following the COVID pandemic. Customers use their TVs to not only watch movies, news, or other traditional content, but also to download and enjoy images of artwork that feature in museums throughout the world. Moreover, using TVs for gaming, health-care, online meetings and education services, and other services is also gaining positive feedback from users. We release Lifestyle product lines every year that emphasize design, mobility, and connectivity to meet the evolving needs of customer who value individuality in this rapidly expanding niche market.

2) Mobile industry

The mobile phone industry started with first generation analogue devices in the early 1980s that only supported voice communication and evolved to second generation, digital devices that used technology such as CDMA and GSM, where users could send voice and text messages. Third generation mobile communication standards such as WCDMA allowed users to send photos and videos.

Today, fourth generation LTE mobile communication technology with ultra-high speed data transmission is commonplace. In early 2019, the fifth generation mobile communication service, known as 5G, was launched in Korea and the US and has since been commercialized globally. The sales of 5G smartphones increased from 270 million units in 2020 to 730 million units in 2023, and the spread of 5G communications has accelerated the ecosystem of 5G convergent services, including AI, XR, and the autonomous vehicle and infrastructure industry. (*TechInsights*, April 2024)

The smartphone industry has grown significantly since 2007. In 2023, the smartphone portion of total HHP sales volume was approximately 85%, and the feature phone portion of the total was approximately 15%, with the latter related to demand in emerging markets (TechInsights, March 2024). For 2024, the penetration rate of smartphones is expected to have reached 53.1%, rising slightly from 52.5% in 2023 (TechInsights, December 2023).

Also, as the smartphone market shows high saturation, the importance of competitiveness of the overall experience based on software for applications, UX, games, media, digital wallets, AI, security, etc., is rising alongside that of competitive hardware, which includes high-performance APs, high-definition displays, foldable form factors, multiple cameras, sensors, waterproof & dustproof features, biometric recognition, and more.

□ Market condition

1) TV Industry

TV demand slightly decreased from 203.28 million units in 2022 to 201.35 million units in 2023 due to impacts from weak consumer sentiment caused by global uncertainties. In 2024, with growing expectations for a demand increase from sport events such as Paris 2024 Olympics, volume is forecast to grow by 1.8% year on year, resulting in a projected annual volume of approximately 204.94 million units (Omdia, March 2024).

< Market share of TV >

| Product | 1Q24 | 2023 | 2022 |
|---------|-------|-------|-------|
| TV | 30.0% | 30.1% | 29.7% |

Global market share in revenue; from Omdia (Figure for 1Q24 is a Company estimate.)

2) Mobile industry

The smartphone market is expected to increase from 1.15 billion units in 2023 to 1.18 billion units in 2024 due to strengthened consumer sentiment backed by an economic recovery and increased demand for foldable phones. (*TechInsights*, March 2024). The tablet market, which grew to 180 million units in 2021 backed by increased demand for on-line use during COVID pandemic, decreased to 140 million units in 2023, weighed on by weak replacement demand. In 2024, demand is expected to recover gradually with the arrival of the replacement cycle. (*TechInsights*, March 2024)

< Market share of Smartphone >

| Product | 1Q24 | 2023 | 2022 |
|------------|-------|-------|-------|
| Smartphone | 20.3% | 19.7% | 21.7% |

Global market share in quantity; data from research firm *TechInsights*. *TechInsights acquired Strategy Analytics*

□ Business condition

1) TV Industry

We have maintained the top position in the overall TV market for eighteen straight years since claiming the number one spot in 2006.

In 2018, we released world's first 8K TV in the global market, once again leading the premium segment in the TV industry. Our QLED lineup includes sizes ranging from mid-sized to ultra-large screens, giving customers a variety of choices. In addition, the significantly improved picture quality was well received by consumers and experts alike. We achieved solid results by introducing ultra-large screens in the UHD lineup as well as in the QLED lineup.

Even during the persistent global economic challenges, we expanded our market leadership and dominance with the launches of QLED 4K/8K TVs and new models in our Lifestyle line, including The Terrace, The Premiere, and The Sero. Also, we continued to strengthen our premium lineup by launching Neo QLED and OLED TVs featuring significantly upgraded contrast and picture quality, and we created new markets through the sales of various products such as Lifestyle models and sound bars. We have positioned the smart ecosystem as a new growth engine through collaborations with a number of partners in areas such as TV plus, OTT, gaming, and home training.

Sustainability is a company-level focus, and we continue to work to increase the eco-friendliness throughout the entire process of our products, from materials to packaging. We also offer support to emphasize visual and auditory accessibility so that everybody can use our products more easily.

We will increase our market share by focusing on premium, flagship products, such as Neo QLED, Super Big TVs, and OLED products; and for Lifestyle TVs, we will expand our lineups and improve product performance to continue to provide our customers with products tailored to their specific needs. Furthermore, we will lead the AI screen era by integrating various AI-related technologies into TVs; and we will enhance value in the daily lives of our customers through R&D for innovative products and functions, such as transparent micro LED and AI upscaling.

2) Mobile industry

SEC has always been at the forefront of the smartphone market, and we led the global market in shipments for thirteen consecutive years. (*TechInsights*, May 2024).

To solidify our status in the overall mobile market, we continue to bolster the competitiveness of our products, including tablets, wearables (smart watches, wireless earphones, etc.), and accessories as well as our content and services businesses, such as digital health and digital wallet.

For smartphones, we establish optimal portfolios for each region, accounting for varying market conditions and the competitive environment, to offer a wide smartphone lineup ranging from mass-market to premium devices. We have been providing premium smartphones and delivering differentiated user experiences that can meet customer needs via our cutting- edge technology, which includes Dynamic AMOLED 2X (120Hz) displays, digital key and content sharing using UWB (ultra wideband), water- and dust-proofing, high-speed cable and wireless charging, ultrasonic fingerprint-on-display (FoD), cameras specialized for night mode and 8K video recording, and generative AI supported functions such as searches, real- time interpretation/translation, automatic summarization, and photo editing.

In 2019, we secured early leadership in the 5G market with the release of the world's first 5G smartphone while also creating a new market with Galaxy Fold, enabled by foldable displays. In 2020, we launched Galaxy Z Flip, a vertically folding smartphone. The Z Flip series, characterized by its iconic and youthful design, has played a significant role in boosting preference for Galaxy products among woman and the younger generation. We continued enhancing unique foldable experiences by leveraging our technology leadership and focusing usability centering on customer values. Thus, we subsequently released the third and fourth generations of the Galaxy Z series, continuing to lead the foldable market.

In January 2024, we launched the Galaxy S24 series featuring the introduction of Samsung's Galaxy AI, a technology that breaks language barriers and enhances productivity and creativity with the new AI experience for our customers. Also, given the hyper-connectivity of our society, we are committed to providing safer service environments for AI and multi-device users based on the strength of our security system.

In addition, we provide richer experiences for our smartphone users with Galaxy Ecosystem products, including tablets that help boost productivity via virtual meetings, multitasking, and note-taking with large-screen display and S Pen; and wearables such as smart watches that provide sophisticated fitness and wellness functions thanks to the adoption of innovative biosensor technologies, while our wireless earphones provide rich, clear sound experiences.

Not content to dwell on our achievements in hardware, we have been focusing on delivering practical and helpful services such as Samsung Wallet (formerly Samsung Pay), Samsung Health, and Bixby. We are advancing Samsung Wallet into a service that can replace physical wallets by offering functionalities that can be used for ID cards, tickets, and more. Samsung Health will strengthen its position as a comprehensive health management platform through new form factors and AI features.

Moreover, we are strengthening strategic partnerships to expand our ecosystem and striving to diversify our revenue structure via SmartThings, Bixby, and cloud, while also enhancing our service businesses based on our extensive global installed base.

We continue to innovate eco-friendly technologies, including those aimed at expanding adoption of recycled materials in our products. A prime example is the adoption of repurposed materials from discarded fishing nets in various projects, starting from the Galaxy S22 series. For Galaxy Z Fold5 and Galaxy Z Flip5, we went beyond plastics and included recycled glass and aluminum, while the Galaxy S24 series incorporates recycled cobalt and rare earth elements.

In addition, Samsung in May 2023 introduced a self-repair program, and we are expanding the program's target models and countries, adding to our efforts to preserve the environment by minimizing e-waste.

Going forward, we will use our industry-leading R&D capabilities to keep providing our customers with new values via continual technological innovations and our thorough preparations for the future.

[DS Division]

□ Industry overview

In general, our Semiconductor business is divided into Memory (storage) and System LSI (logical processing). Memory semiconductor is divided into RAM products (random access memory, ones that can be both written on and read) and ROM products (read only memory).

RAM is called volatile memory as any stored information is deleted when the power is turned off. It is used for temporary loading and storage of application programs. ROM is nonvolatile and holds memory even when power is removed; it is used in input/output system, IC cards, and more.

For System LSI products, there are many categories for various applications. SoCs for mobile devices that are equipped with CPUs, GPUs, ISPs (image signal processors), and modems are our major products. The Company manufactures mobile APs for smartphones and tablets, and image sensors.

The Foundry Business makes customized semiconductors for fabless companies based on customer designs. The business resembles OEMs in the traditional manufacturing industry in the sense that companies consign the manufacturing of their products to fabrication plants, also called foundries or fabs. Many integrated device manufacturers have transitioned to fabless players due to the advancement of semiconductor processing technologies and an increased investment burden. Consequently, only a few companies (approximately five) with large capex dominate the overall foundry market.

□ Market condition

The memory market has seen strong overall demand from customers amid expectations that prices will keep rising. The demand for generative AI continued to trend solidly, and the demand for DDR5 and high-density SSDs stayed strong quarter-on-quarter. In particular, customers of high-density SSDs linked with generative AI increasingly sought to secure supply, resulting in additional demand growth in that segment. In PC and mobile, content-per-box continued to grow for both DRAM and NAND; and demand remained strong quarter-on-quarter thanks to active sell-in led by mobile OEM customers in China.

Along with the increase in ASP, we achieved qualitative growth by addressing the demand for high-value-added products such as HBM, DDR5, server SSD, and UFS 4.0. As a result, our memory business returned to profit.

The foundry market is showing gradual changes in some applications thanks to launches of flagship smartphones in 2H23 and rising demand for HPC for use in the AI industry. Overall in 2024, we expect the market for cutting-edge advanced technology to grow, including for 3-nano chips which we will mass produce in earnest, and customer demand to keep recovering. In mid- to long-term, we expect growth to keep trending upward, with large language models leading demand increases in GPU/AI, HBM, etc., coupled with a rising demand in the mobile and automotive sectors.

< Market share of DRAM >

| Product | 1Q24 | 2023 | 2022 |
|---------|-------|-------|-------|
| DRAM | 43.9% | 42.2% | 43.1% |

Global market share in revenue; data from research firm DRAMeXchange.

□ Business condition

For the server market in memory, we expect the recovery trend to continue throughout the second quarter, led by demand for generative AI. In particular, the increasing supply of AI servers and subsequent expansion of associated cloud services should boost demand for not only HBM, which is directly linked with AI, but also conventional servers and storage in parallel. As a result, we expect overall server demand to remain strong. For mobile, continued sell-in focusing on Chinese OEM customers is likely to keep demand stable in the second quarter. However, for PC, under the effects of slow seasonality, customers are likely to temporarily adjust their finished-goods inventories in preparation for 2H releases of new products focused on on-device AI. Thus, considering the expected demand increase in 2Q centering on server and storage products and the likely supply constraints in 2H for cutting-edge products in particular, we expect overall market prices to increase, although showing variations by application.

In this environment, in order to optimize our business portfolio, we plan to allocate production more to high-value-added server and storage products (e.g., HBM, DDR5, and high-density SSDs) than to PC and mobile products. We started mass producing HBM3E 8H products in 2Q to address the demand for generative AI, and also plan to mass-produce 12H products before end-2Q. In the second quarter, we aim to bolster our leadership in the server market by mass producing and shipping a 128GB product based on 1b nanometer 32Gb DDR5. For NAND, we plan to expand SSD sales for server and ensure a timely response to AI demand by developing and providing samples of ultra-high-density 64TB SSDs during 2Q. In addition, we will enhance our leadership in sustainable technology by mass producing V9, an industry first.

System LSI expects to experience persistent price pressure with set manufacturers facing rising costs and limited increases in global mobile demand. However, we aim to overcome such challenges by expanding application of new ondevice AI chips, developing next-generation products in a timely manner, strengthening collaopration with our customers, and enhancing cost competitiveness. For SoCs, we are expanding application models by successfully launching new SoC products featuring on-device AI and high performance IPs. Also, we are developing products with 3-nano technology and continuing to expand our customer base and product lineups—such as automotive-use SoCs—and strengthening cooperation with customers in developing next-generation technologies for data center AI chips, robotics, and more.

Samsung's image sensors are leading the market for ultra-high-pixel products of over 100 megapixels with their differentiated camera resolutions and zoom performances on the back of our superior micro pixel technology. We are also strengthening product lineups by developing automotive image sensors based on those used in smartphones and

preparing sensors that can be used in XR and robotics. Regarding SLSI products, for OLED mDDIs for smartphones, we keep strengthening collaboration with current and Chinese customers based on our advanced technology and differentiated products. For pDDIs, we are expanding the business beyond the existing TV/IT LCD to IT OLED pDDIs and TCON. For power ICs, we're aiming to expand sales in the mobile sectors and diversify applications to include memory and automotive. Regarding security, we're working to increase sales through expansion of NFC applications for mobile flagships and the development of security solutions for smartphones/TVs.

In Foundry, we specify strategies for each node and application to align with changes in the market while enhancing the competitiveness of our customer base, technology, and capacity across all business areas. In advanced technologies, the 3-nano product for crypto is currently being mass produced, and we are on track to start mass producing and shipping chips for wearables in 2Q and mobile in 4Q. Also, we are developing 2-nano and 1.4-nano chips using our next-generation advanced technologies, aiming to capture demand and secure customers in the mid to long term based on our technological leadership. To meet demand in the long term, we are further preparing measures to expand our supply capacity. For mature nodes, we are enhancing our business structure by expanding applications within HPC, automotive, and AI to utilize long-term capacity while also focusing on developing derivative and specialty processes by leveraging our years of stable mass production experience. We aim to enhance demand stability and our profitability by responding to diverse customer needs with our differentiated technologies. The Company will continue to bolster its overall competitiveness in collaborations, development, order intake, production, and supply to expand business opportunities in line with the changing market environment.

[SDC]

□ Industry overview

Display refers to screens in electronic devices. Active matrix technology is most commonly used in displays, including OLED (organic light emitting diode), QD-OLED (quantum dot organic light emitting diode), and TFT-LCD (thin film transistor liquid crystal display).

OLED panels use organic materials, which offer sharp contrast and color, high color gamut, and fast response rates. Such differentiating features provide advantages for use in smartphones where display features (multimedia contents, online experience, etc.) are important, and as a result, OLED adoption in the smartphone market is growing rapidly.

The market had raised concerns over the production of high-resolution, durable panels, but we overcame various technological challenges and advanced the business. OLED panels make up for the shortcomings of LCD panels, and they can be increasingly adopted into variable applications in foldables, IT (tablet/notebook PCs), automotives, etc. The OLED market is forecast to keep growing. QD-OLED, a self-emissive display with quantum dots (semiconductor particles a few nanometers in size) in the panel to maximize color gamut and viewing angle, is capturing attention under expectations that it will lead the premium TV and monitor markets.

□ Market condition

The market for smartphone display panels is anticipated to decrease to 1.37 billion units in 2024 from 1.44 billion units in 2023. For smartphone-use OLED panels, the market is forecast to grow to 0.73 billion units in 2024 from 0.61 billion units in 2023, and the OLED portion of smartphone panels in 2024 is expected to increase to 53.6% from 42.7% in 2023 (Omdia, December 2023; Omdia, April 2024). The market for large display panels is expected to grow to 0.86 billion units in 2024 from 0.81 billion units in 2023 (Omdia, April 2024).

< Market share of smartphone panel >

| Product | 1Q24 | 2023 | 2022 |
|-------------------|-------|-------|-------|
| Smartphone panels | 36.6% | 50.7% | 56.7% |

Global market share in revenue from research firm Omdia; 1Q24 figure is an estimate.

□ Business condition

The Company has continued to stay atop the mobile OLED market in terms of market share since it successfully commercialized OLED products in 2007, marking a world's first. We diversified our product group to include displays for foldable products, tablets, watches, laptops, and automotive applications, solidifying our position as the top player in the OLED display market.

With both flexible and rigid OLED, our optimal smartphone product portfolio ranges from mass-market to premium devices as we proactively address customers' specific needs; and we are recognized as having best-in-class technology through our introduction of foldable and IT(tablet/Note PC) products with differentiated technologies and designs.

In smartphone display market in 2024, we expect competition between panel makers to intensify, expecially in high-end segments. We will focus on expanding sales based on our differentiated technology and functionality.

Furthermore, we are diversifying our mobile panel business—which concentrates on smartphones—by ramping up investment in 8.6G IT OLED lines in order to expand into IT, gaming, and auto products and further solidify our business leadership.

In the large panel business, we increased the proportion of monitor products while strengthening fundamentals in areas such as yield improvement and cost reduction, which helped enhance the competitiveness of the business.

[Harman]

□ Industry overview

Harman competes in the automotive and lifestyle audio industries. The automotive component business accounts for the largest portion of Harman's business, and it operates business in areas such as digital cockpits, car audio, and telematics.

Consumer view vehicles not only as a mode of transportation, but as an opportunity to enjoy in-cabin experiences. To meet such needs, automotive manufactures are using Harman's components (e.g. digital cockpits, car audio) to offer more convenient and personally-tailored experiences, focusing on service differentiation.

With the shift towards software-defined vehicles, led by IT transformation of cars, manufacturers are exploring various opportunities by adopting centralized architectures and strengthening software functionalities. This should spark rapid technological changes in automotive components, and as a result, intensifying competition among component suppliers.

The Lifestyle audio business has two segments: consumer audio and professional audio solutions. And to offer our customers even greater audio experiences, we acquired Roon Labs LLC in 4Q23. Consumer audio products (e.g., true wireless stereo, portable speakers, headphones) were formerly confined to audio playback devices, but thanks to the recent adoption of wireless technologies and integration of artificial intelligence, they are transforming into technology-centric IT devices. Such changes have prompted IT companies to enter the consumer audio market, which is dominated by traditional audio-focused firms.

The consumer audio market is projected to see significant growth in the segments like TWS headphones, Wi-Fi home speakers, and gaming speakers. In particular, the TWS market, in which mobile manufacturers hold a significant market share, is likely to show the fastest growth rate.

The professional audio solution industry (commercial audio, audio for large venues, etc., special lighting, video control solutions, etc.), is segmented by product and has seen the entrance of numerous companies offering a wide range of

products and applications.

□ Market condition

We expect instability in the global automotive supply chain, high interest rates, and elevated inflation to gradually normalize in 2024. However, geopolitical issues in Europe and the Middle East are likely to keep presenting uncertainties involving rising raw material prices, further instability in the supply chain, and a continuation of tight monetary policies. Considering these factors, we anticipate that global automobile production in 2024 will be similar to that of the previous year (S&P Global Light Vehicle Production Forecast, March 2024).

< Market share of digital cockpit >

| Product | 1Q24 | 2023 | 2022 |
|------------------|-------|-------|-------|
| Digital cockpits | 14.5% | 16.5% | 17.9% |

Digital cockpits refer to the digital automotive component which enables safe driving environment via infotainment system, etc. Figures based on the global market share data (by value) from TechInsights

Global market share in revenue; figure for 1Q24 is estimate from research firm TechInsights and S&P Global.

□ Business condition

Harman is positioned to stay at the forefront in digital cockpits and car audio markets, which are key markets for in-cabin experiences in automotive component industry. To fortify Harman's position, we will continue to actively address the ongoing IT transformation in vehicles by integrating our technologies, including wireless communication and display, into Harman's automotive business. Amid the shift toward software-defined vehicles, Harman remains committed to elevating customer in-cabin experiences by consistently pursuing the development of distinctive, innovative technologies.

The same factors that Harman relies on within the automotive market will also be used in the consumer audio and professional audio solution market. Having won three Grammy Awards and two Academy Awards, Harman's brands have earned a strong reputation amongst everyday consumers and audiophiles alike. New offerings in up-and-coming segments such as connected wireless and smart audio continue to help bring in new consumers and further enhance brand reputation.

Furthermore, Harman has kept advancing its Digital Transformation Solutions (DTS) business. DTS focuses on software solution development, system integration, and maintenance services for corporate customers to enhance their competitiveness.

D. Financial summary, by organization

In 1Q24 by organization, DX accounted for 65.8% of revenue with reported revenue of KRW 47,292.7 billion; DS contributed approximately 32.2% with revenue of KRW 23,137.3 billion; SDC was responsible for 7.5% with revenue of KRW 5,386.4 billion; and Harman contributed 4.5% with revenue of KRW 3,200.3 billion.

For operating profit, DX recorded KRW 4,074.9 billion; DS with KRW 1,914.0 billion; SDC with KRW 340.7 billion; and Harman with KRW 240.8 billion.

(KRW 100 mil)

| | | | | | | | (KRW 100 mil) |
|--------------|---------------------|-----------|--------------------------------------|-----------|--------------------------------------|-----------|--------------------------------------|
| | | 1Q24 | | 2023 | | 2022 | |
| Organization | Classification | Amount | Portion of corresponding total | Amount | Portion of corresponding total | Amount | Portion of corresponding total |
| | Revenue | 472,927 | 65.8% | 1,699,923 | 65.7% | 1,824,897 | 60.4% |
| DX Division | Operating profit | 40,749 | 61.7% | 143,847 | 219.0% | 127,461 | 29.4% |
| | Total assets | 2,510,431 | 38.3% | 2,342,534 | 37.2% | 2,279,669 | 38.6% |
| | Revenue | 231,373 | 32.2% | 665,945 | 25.7% | 984,553 | 32.6% |
| DS Division | Operating profit | 19,140 | 29.0% | -148,795 | -226.6% | 238,158 | 54.9% |
| | Total assets | 3,032,181 | 46.2% | 2,871,411 | 45.6% | 2,620,558 | 44.3% |
| SDC | Revenue | 53,864 | 7.5% | 309,754 | 12.0% | 343,826 | 11.4% |
| | Operating profit | 3,407 | 5.2% | 55,665 | 84.8% | 59,530 | 13.7% |
| | Total assets | 720,837 | 11.0% | 792,752 | 12.6% | 737,798 | 12.5% |
| Harman | Revenue | 32,003 | 4.5% | 143,885 | 5.6% | 132,137 | 4.4% |
| | Operating profit | 2,408 | 3.6% | 11,737 | 17.9% | 8,805 | 2.0% |
| | Total assets | 183,571 | 2.8% | 179,566 | 2.9% | 171,023 | 2.9% |

Includes inter-divisional transactions.

□ Reasonable allocation of common SG&A (selling general & administrative) expenses and assets

(1) For common SG&A expenses, specific expenses that are allocable to a specific product/model are allocated to Divisions that are responsible for such product/model. However, common expenses that cannot be attributed to a specific product/model category are reasonably allocated throughout the Company based on an allocation standard (expense-to- revenue ratio, number of personnel, etc.).

(2) For common assets, assets that can be directly allocated (inventory assets, fixed assets, investment assets, etc.) are allocated to the corresponding organizational unit. Assets that are commonly managed and cannot be directly allocated are allocated to each Division based on an allocation standard (expense-to-revenue ratio, pre-tax profit, etc.).

III. Financial Affairs

1. Financial Statements

A. Consolidated financial statements

| | | | (KRW mil) |
|---|----------------|-------------------|-------------------|
| Classification | 1Q24 | 55th | 54th |
| | March 31, 2024 | December 31, 2023 | December 31, 2022 |
| Current assets | 208,544,280 | 195,936,557 | 218,470,581 |
| - Cash and cash equivalents | 61,906,097 | 69,080,893 | 49,680,710 |
| - Short-term financial instruments | 35,458,597 | 22,690,924 | 65,102,886 |
| - Other current financial assets | 28,132 | 635,393 | 443,690 |
| - Trade receivables | 41,145,391 | 36,647,393 | 35,721,563 |
| - Inventories | 53,347,700 | 51,625,874 | 52,187,866 |
| - Others | 16,658,363 | 15,256,080 | 15,333,866 |
| Non-current assets | 262,355,532 | 259,969,423 | 229,953,926 |
| - Other non-current financial assets | 9,594,423 | 8,912,691 | 12,802,480 |
| - Investment in associates and joint ventures | 11,907,773 | 11,767,444 | 10,893,869 |
| - Property, plant, and equipment | 191,155,560 | 187,256,262 | 168,045,388 |
| - Intangible assets | 23,246,603 | 22,741,862 | 20,217,754 |
| - Others | 26,451,173 | 29,291,164 | 17,994,435 |
| Total assets | 470,899,812 | 455,905,980 | 448,424,507 |
| Current liabilities | 81,770,355 | 75,719,452 | 78,344,852 |
| Non-current liabilities | 17,213,333 | 16,508,663 | 15,330,051 |
| Total liabilities | 98,983,688 | 92,228,115 | 93,674,903 |
| Equity attributable to owners of the parent company | 362,315,069 | 353,233,775 | 345,186,142 |
| - Capital stock | 897,514 | 897,514 | 897,514 |
| - Share premium | 4,403,893 | 4,403,893 | 4,403,893 |
| - Retained earnings | 350,847,854 | 346,652,238 | 337,946,407 |
| - Others | 6,165,808 | 1,280,130 | 1,938,328 |
| Non-controlling interests | 9,601,055 | 10,444,090 | 9,563,462 |
| Total Equity | 371,916,124 | 363,677,865 | 354,749,604 |
| | Jan–Mar 2024 | Jan-Dec 2023 | Jan–Dec 2022 |
| Revenue | 71,915,601 | 258,935,494 | 302,231,360 |
| Operating profit | 6,606,009 | 6,566,976 | 43,376,630 |
| Profit for the period | 6,754,708 | 15,487,100 | 55,654,077 |
| - Owners of the parent company | 6,621,030 | 14,473,401 | 54,730,018 |
| - Non-controlling interests | 133,678 | 1,013,699 | 924,059 |
| Basic earnings per share (KRW) | 975 | 2,131 | 8,057 |
| Diluted earnings per share (KRW) | 975 | 2,131 | 8,057 |
| Number of companies subject to consolidation accounting | 228 | 233 | . 233 |

Data shown in conformity with K-IFRS.

Please refer to the footnotes of the 53rd-55th Consolidated Audit Report for the calculation of basic earnings per share (ordinary shares).

B. Separate financial statements

| | TTDIT | •1> |
|----|---------|-------|
| 1 | KRW | mill |
| ١. | 1717.14 | 11111 |

| Classification | 1Q2 | 55th | (KRW mil) 54t | |
|---|--------------|-------------------|-------------------|--|
| Classification | 4 | JJUI | h | |
| | Mar 31, 2024 | December 31, 2023 | December 31, 2022 | |
| Current assets | 82,288,911 | 68,548,442 | 59,062,658 | |
| - Cash and cash equivalents | 12,282,309 | 6,061,451 | 3,921,593 | |
| - Short-term financial instruments | 50,247 | 50,071 | 137 | |
| - Trade receivables | 32,832,663 | 27,363,016 | 20,503,223 | |
| - Inventories | 30,849,308 | 29,338,151 | 27,990,007 | |
| - Others | 6,274,384 | 5,735,753 | 6,647,698 | |
| Non-current assets | 229,794,377 | 228,308,847 | 201,021,092 | |
| - Other non-current financial assets | 2,049,692 | 1,854,503 | 1,364,608 | |
| - Subsidiary, associate, and joint venture investments | 57,280,254 | 57,392,438 | 57,397,249 | |
| - Property, plant and equipment | 141,929,781 | 140,579,161 | 123,266,986 | |
| - Intangible assets | 10,671,387 | 10,440,211 | 8,561,424 | |
| - Others | 17,863,263 | 18,042,533 | 10,430,825 | |
| Total assets | 312,083,288 | 296,857,289 | 260,083,750 | |
| Current liabilities | 49,615,928 | 41,775,101 | 46,086,047 | |
| Non-current liabilities | 30,327,907 | 30,294,414 | 4,581,512 | |
| Total liabilities | 79,943,835 | 72,069,515 | 50,667,559 | |
| - Capital stock | 897,514 | 897,514 | 897,514 | |
| - Share premium | 4,403,893 | 4,403,893 | 4,403,893 | |
| - Retained earnings | 227,247,811 | 219,963,351 | 204,388,016 | |
| - Others | -409,765 | -476,984 | -273,232 | |
| Total Equity | 232,139,453 | 224,787,774 | 209,416,191 | |
| Evaluation method of subsidiary, associate, and joint venture investment securities | Cost methods | Cost methods | Cost methods | |
| | Jan-Mar 2024 | Jan–Dec 2023 | Jan–Dec 2022 | |
| Revenue | 51,239,617 | 170,374,090 | 211,867,483 | |
| Operating profit | 2,007,380 | -11,526,297 | 25,319,329 | |
| Profit for the period | 9,737,437 | 25,397,099 | 25,418,778 | |
| Basic earnings per share (KRW) | 1,434 | 3,739 | 3,742 | |
| Diluted earnings per share (KRW) | 1,434 | 3,739 | 3,742 | |

Data shown in conformity with K-IFRS. Please refer to the footnotes of the 53rd–55th Consolidated Audit Report for the calculation of basic earnings per share (ordinary shares).

2. Consolidated Financial Statements

Samsung Electronics Co., Ltd. and its subsidiaries

INTERIM CONSOLIDATED STATEMENTS OF FINANCIAL POSITION

(In millions of Korean won and in thousands of US dollars (Note 2.3))

| | | March 31, | December 31, | March 31, | December 31, |
|--|----------|-------------|-----------------|-------------|-----------------|
| | Notes | 2024 | 2023 | 2024 | 2023 |
| | | KRW | KRW | USD | USD |
| Assets | | | | ÷ | |
| Current assets | | | | | |
| Cash and cash equivalents | 3, 25 | 61,906,097 | 69,080,893 | 46,607,861 | 52,009,621 |
| Short-term financial instruments | 3, 25 | 35,458,597 | 22,690,924 | 26,696,068 | 17,083,542 |
| Short-term financial assets at amortized cost | 3, 25 | - | 608,281 | - | 457,963 |
| Short-term financial assets at fair value through profit or loss | 3, 4, 25 | 28,132 | 27,112 | 21,180 | 20,412 |
| Trade receivables | 3,25 | 41,145,391 | 36,647,393 | 30,977,541 | 27,591,088 |
| Non-trade receivables | 3, 25 | 7,421,330 | 6,633,248 | 5,587,371 | 4,994,040 |
| Prepaid expenses | | 3,345,205 | 3,366,130 | 2,518,538 | 2,534,292 |
| Inventories | 5 | 53,347,700 | 51,625,874 | 40,164,415 | 38,868,087 |
| Other current assets | 3, 25 | 5,891,828 | 5,038,838 | 4,435,839 | 3,793,640 |
| Assets held-for-sale | 28 | · _ | 217,864 | - | 164,025 |
| | | 208,544,280 | 195,936,557 | 157,008,813 | 147,516,710 |
| Non-current assets | | | | | |
| Financial assets at fair value through other comprehensive income Financial assets at fair value | 3, 4, 25 | 8,180,091 | 7,481,297 | 6,158,627 | 5,632,519 |
| through profit or loss | 3, 4, 25 | 1,414,332 | 1,431,394 | 1,064,822 | 1,077,668 |
| Investments in associates and joint ventures | 6 | 11,907,773 | 11,767,444 | 8,965,124 | 8,859,473 |
| Property, plant and equipment | 7 | 191,155,560 | 187,256,262 | 143,917,194 | 140,981,490 |
| Intangible assets | 8 | 23,246,603 | 22,741,862 | 17,501,902 | 17,121,893 |
| Net defined benefit assets | 11 | 4,557,943 | 4,905,219 | 3,431,584 | 3,693,041 |
| Deferred income tax assets | | 11,057,769 | 10,211,797 | 8,325,173 | 7,688,257 |
| Other non-current assets | 3, 25 | 10,835,461 | 14,174,148 | 8,157,802 | 10,671,432 |
| | | 262,355,532 | 259,969,423 | 197,522,228 | 195,725,773 |
| Total assets | | 470,899,812 | 455,905,980 | 354,531,041 | 343,242,483 |

The above interim consolidated statements of financial position should be read in conjunction with the accompanying notes.

INTERIM CONSOLIDATED STATEMENTS OF FINANCIAL POSITION

(In millions of Korean won and in thousands of US dollars (Note 2.3))

| | | March 31, | December 31, | March 31, | December 31, |
|--|--------------|------------|-----------------|------------|-----------------|
| | Notes | 2024 | 2023 | 2024 | 2023 |
| | | KRW | KRW | USD | USD |
| Liabilities and Equity | | | | | |
| Current liabilities | | | | | |
| Trade payables | 3, 25 | 12,419,094 | 11,319,824 | 9,350,087 | 8,522,469 |
| Short-term borrowings | 3, 9, 25 | 9,634,548 | 7,114,601 | 7,253,658 | 5,356,441 |
| Other payables | 3, 25 | 16,707,439 | 15,324,119 | 12,578,696 | 11,537,222 |
| Advances received | 14 | 1,689,893 | 1,492,602 | 1,272,287 | 1,123,750 |
| Withholdings | 3, 25 | 939,908 | 892,441 | 707,638 | 671,901 |
| Accrued expenses | 3, 14, 25 | 25,178,608 | 26,013,273 | 18,956,470 | 19,584,872 |
| Current income tax liabilities | | 4,172,785 | 3,358,715 | 3,141,606 | 2,528,709 |
| Current portion of long-term liabilities | 3, 9, 10, 25 | 1,447,491 | 1,308,875 | 1,089,787 | 985,426 |
| Provisions | 12 | 7,457,013 | 6,524,876 | 5,614,236 | 4,912,448 |
| Other current liabilities | 3, 14, 25 | 2,123,576 | 2,308,472 | 1,598,798 | 1,738,002 |
| Liabilities held-for-sale | 28 | - | 61,654 | - | 46,418 |
| | | 81,770,355 | 75,719,452 | 61,563,263 | 57,007,658 |
| Non-current liabilities | , | | | | |
| Debentures | 3, 10, 25 | 560,590 | 537,618 | 422,057 | 404,762 |
| Long-term borrowings | 3, 9, 25 | 3,861,524 | 3,724,850 | 2,907,264 | 2,804,365 |
| Long-term other payables | 3, 25 | 5,234,343 | 5,488,283 | 3,940,832 | 4,132,018 |
| Net defined benefit liabilities | 11 | 480,564 | 456,557 | 361,807 | 343,733 |
| Deferred income tax liabilities | | 578,137 | 620,549 | 435,268 | 467,199 |
| Long-term provisions | 12 | 3,179,028 | 2,878,450 | 2,393,427 | 2,167,127 |
| Other non-current liabilities | 3, 14, 25 | 3,319,147 | 2,802,356 | 2,498,919 | 2,109,838 |
| | | 17,213,333 | 16,508,663 | 12,959,574 | 12,429,042 |
| | | | | | |

The above interim consolidated statements of financial position should be read in conjunction with the accompanying notes.

INTERIM CONSOLIDATED STATEMENTS OF FINANCIAL POSITION

(In millions of Korean won and in thousands of US dollars (Note 2.3))

| | | March 31, | December 31, | March 31, | December 31, |
|---|-------|-------------|-----------------|-------------|-----------------|
| | Notes | 2024 | 2023 | 2024 | 2023 |
| | | KRW | KRW | USD | USD |
| Equity attributable to owners of the parent company | | | | | |
| Preference shares | 15 | 119,467 | 119,467 | 89,944 | 89,944 |
| Ordinary shares | 15 | 778,047 | 778,047 | 585,776 | 585,776 |
| Share premium | | 4,403,893 | 4,403,893 | 3,315,603 | 3,315,603 |
| Retained earnings | 16 | 350,847,854 | 346,652,238 | 264,146,324 | 260,987,529 |
| Other components of equity | 17 | 6,165,808 | 1,280,130 | 4,642,114 | 963,784 |
| | | 362,315,069 | 353,233,775 | 272,779,761 | 265,942,636 |
| Non-controlling interests | | 9,601,055 | 10,444,090 | 7,228,443 | 7,863,147 |
| Total equity | | 371,916,124 | 363,677,865 | 280,008,204 | 273,805,783 |
| Total liabilities and equity | | 470,899,812 | 455,905,980 | 354,531,041 | 343,242,483 |

The above interim consolidated statements of financial position should be read in conjunction with the accompanying notes.

INTERIM CONSOLIDATED STATEMENTS OF PROFIT OR LOSS

(In millions of Korean won and in thousands of US dollars (Note 2.3))

| | | For the | three-month p | eriods ended N | Iarch 31, |
|--|--------|------------|----------------------|----------------|------------|
| | Notes | 2024 | 2023 | 2024 | 2023 |
| | | KRW | KRW | USD | USD |
| Revenue | 26 | 71,915,601 | 63,745,371 | 54,143,816 | 47,992,613 |
| Cost of sales | 18 | 45,886,332 | 46,007,093 | 34,546,901 | 34,637,819 |
| Gross profit | | 26,029,269 | 17,738,278 | 19,596,915 | 13,354,794 |
| Selling and administrative expenses | 18, 19 | 19,423,260 | 17,098,100 | 14,623,383 | 12,872,817 |
| Operating profit | 26 | 6,606,009 | 640,178 | 4,973,532 | 481,977 |
| Other non-operating income | 20 | 445,281 | 504,295 | 335,243 | 379,674 |
| Other non-operating expense | 20 | 381,393 | 203,982 | 287,143 | 153,574 |
| Share of net profit of associates and joint ventures | 6 | 214,833 | 213,841 | 161,743 | 160,997 |
| Financial income | 21 | 3,484,504 | 4,628,049 | 2,623,413 | 3,484,365 |
| Financial expense | 21 | 2,662,511 | 3,956,001 | 2,004,551 | 2,978,394 |
| Profit before income tax | | 7,706,723 | 1,826,380 | 5,802,237 | 1,375,045 |
| Income tax expense | 22 | 952,015 | 251,780 | 716,753 | 189,560 |
| Profit for the period | | 6,754,708 | 1,574,600 | 5,085,484 | 1,185,485 |
| Profit attributable to | | | | | |
| Owners of the parent company | | 6,621,030 | 1,401,252 | 4,984,841 | 1,054,975 |
| Non-controlling interests | , | 133,678 | 173,348 | 100,643 | 130,510 |
| Earnings per share (in Korean won and in US dollars) | 23 | | | | |
| - Basic | | 975 | 206 | 0.73 | 0.16 |
| - Diluted | | 975 | 206 | 0.73 | 0.16 |

The above interim consolidated statements of profit or loss should be read in conjunction with the accompanying notes.

INTERIM CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME

(In millions of Korean won and in thousands of US dollars (Note 2.3))

| | | For the th | ree-month pe | riods ended M | larch 31, |
|---|-------|------------|--------------|---------------|-----------|
| | Notes | 2024 | 2023 | 2024 | 2023 |
| | | KRW | KRW | USD | USD |
| Profit for the period | | 6,754,708 | 1,574,600 | 5,085,484 | 1,185,485 |
| Other comprehensive income (loss) | | | | | |
| Items that will not be reclassified subsequently | | | | - | |
| to | | | | | |
| profit or loss: | | | | | |
| Gain on valuation of financial assets at fair value through other comprehensive income, net of tax | 17 | 511,479 | 996,481 | 385,083 | 750,231 |
| Share of other comprehensive income of | | -) | , - |) | , . |
| associates and joint ventures, net of tax | 17 | (12,818) | 29,888 | (9,650) | 22,502 |
| Remeasurement of net defined benefit liabilities | | | | | |
| (assets), | | | | | |
| net of tax | 17 | (82,243) | (247,624) | (61,919) | (186,431) |
| Items that may be reclassified subsequently to profit or loss: | | | | | |
| Share of other comprehensive income of | | | | | |
| associates and joint ventures, net of tax | 17 | 52,627 | 135,760 | 39,621 | 102,211 |
| Foreign currency translation differences for foreign | | | | , | |
| operations, net of tax | 17 | 4,514,980 | 5,056,887 | 3,399,238 | 3,807,229 |
| Gain on valuation of cash flow hedge derivatives | 17 | 10,927 | 8,108 | 8,227 | 6,104 |
| Other comprehensive income for the period, net of | | 4,994,952 | 5,979,500 | 3,760,600 | 4,501,846 |
| tax | | | | | |
| Total comprehensive income for the period | | 11,749,660 | 7,554,100 | 8,846,084 | 5,687,331 |
| Comprehensive income attributable to: | | | | | |
| Owners of the parent company | | 11,534,271 | 7,286,763 | 8,683,922 | 5,486,058 |
| Non-controlling interests | | 215,389 | 267,337 | 162,162 | 201,273 |

The above interim consolidated statements of comprehensive income should be read in conjunction with the accompanying notes.

INTERIM CONSOLIDATED STATEMENTS OF CHANGES IN EQUITY

(In millions of Korean won)

| For the three-month period ended March 31, 2024 | Notes | Preferenc e shares | Ordinary shares | Share premium | Retained earnings | Other components of equity | Equity attributable to owners of the parent company | Non- controllin g interests | Total |
|---|--------|-----------------------|--------------------|------------------|----------------------|----------------------------------|---|-----------------------------------|-------------|
| ended Waren 51, 2024 | 110105 | c shares | shares | premum | carmigs | or equity | company | g miter ests | I Utal |
| Balance as of January 1, 2024 | | 119,467 | 778,047 | 4,403,893 | 346,652,23 8 | 1,280,130 | 353,233,77 5 | 10,444,090 | 363,677,865 |
| Profit for the period | | - | · _ | - | 6,621,030 | - | 6,621,030 | 133,678 | 6,754,708 |
| Gain on valuation of financial assets at fair value through other comprehensive income, net of tax Share of other comprehensive income | 17 | - | - | - | 27,563 | 435,213 | 462,776 | 48,703 | 511,479 |
| (loss) of associates and joint ventures, net of tax | 17 | - | - | - | - | 48,594 | 48,594 | (8,785) | 39,809 |
| Foreign currency translation differences for foreign operations, net of tax | 17 | - | - | - | - | 4,473,803 | 4,473,803 | 41,177 | 4,514,980 |
| Remeasurement of net defined benefit liabilities (assets), net of tax | 17 | - | - | - | - | (82,859) | (82,859) | 616 | (82,243) |
| Gain on valuation of cash flow hedge derivatives | 17 | - | - | - | - | 10,927 | 10,927 | - | 10,927 |
| Total comprehensive income for the period | | - | - | - | 6,648,593 | 4,885,678 | 11,534,271 | 215,389 | 11,749,660 |
| Dividends declared | | - | - | - | (2,452,977) | - | (2,452,977) | (1,026,368) | (3,479,345) |
| Capital transactions under common control | | - | - | - | - | | - | (15) | (15) |
| Changes in consolidated entities | | - | - | - | - | - | - | (32,041) | (32,041) |

| Total transactions with owners | - | - | - | (2,452,977) | - | (2,452,977) | (1,058,424) | (3,511,401) |
|--------------------------------|---------|---------|-----------|-----------------|-----------|-----------------|-------------|-------------|
| Balance as of March 31, 2024 | 119,467 | 778,047 | 4,403,893 | 350,847,85 4 | 6,165,808 | 362,315,06 9 | 9,601,055 | 371,916,124 |

The above interim consolidated statements of changes in equity should be read in conjunction with the accompanying notes.

INTERIM CONSOLIDATED STATEMENTS OF CHANGES IN EQUITY

(In thousands of US dollars (Note 2.3))

| For the three-month period ended March 31, 2024 | Notes | Preferenc e shares | Ordinary shares | Share premium | Retained earnings | Other componen ts of equity | Equity attributable to owners of the parent company | Non- controllin g interests | Total |
|--|-------|-----------------------|--------------------|------------------|----------------------|--------------------------------------|---|-----------------------------------|-------------|
| Balance as of January 1, 2024 | | 89,944 | 585,776 | 3,315,603 | 260,987,529 | 963,784 | 265,942,636 | 7,863,147 | 273,805,783 |
| Profit for the period | | - | - | - | 4,984,841 | - | 4,984,841 | 100,643 | 5,085,484 |
| Gain on valuation of financial assets at fair value through other comprehensive income, net of tax | 17 | - | | - | 20,751 | 327,664 | 348,415 | 36,668 | 385,083 |
| Share of other comprehensive income (loss) of associates and joint ventures, net of tax | 17 | - | - | - | - | 36,585 | 36,585 | (6,614) | 29,971 |
| Foreign currency translation differences for foreign operations, net of tax | 17 | - | - | - | - | 3,368,237 | 3,368,237 | 31,001 | 3,399,238 |
| Remeasurement of net defined benefit liabilities (assets), net of tax | 17 | - | - | - | - | (62,383) | (62,383) | 464 | (61,919) |
| Gain on valuation of cash flow hedge derivatives | 17 | - | - | - | - | 8,227 | 8,227 | - | 8,227 |
| Total comprehensive income for the period | | - | - | - | 5,005,592 | 3,678,330 | 8,683,922 | 162,162 | 8,846,084 |
| Dividends declared | | - | - | - | (1,846,797) | - | (1,846,797) | (772,732) | (2,619,529) |
| Capital transactions under common control | | - | - | - | - | - | - | (11) | (11) |
| Changes in consolidated entities | | - | - | - | - | - | - | (24,123) | (24,123) |
| Total transactions with owners | | - | - | - | (1,846,797) | · - | (1,846,797) | (796,866) | (2,643,663) |
| Balance as of March 31, 2024 | | 89,944 | 585,776 | 3,315,603 | 264,146,324 | 4,642,114 | 272,779,761 | 7,228,443 | 280,008,204 |

The above interim consolidated statements of changes in equity should be read in conjunction with the accompanying notes.

INTERIM CONSOLIDATED STATEMENTS OF CHANGES IN EQUITY

(In millions of Korean won)

| For the three-month period ended March 31, 2023 | Not es | Preference shares | Ordinary shares | Share premium | Retained earnings | Other component s of equity | Equity attributable to owners of the parent company | Non- controllin g interests | Total |
|--|-----------|----------------------|--------------------|------------------|------------------------|-----------------------------------|---|-----------------------------------|--------------------|
| Balance as of January 1, 2023 | | 119,467 | 778,047 | 4,403,893 | 337,946,407 | 1,938,328 | 345,186,142 | 9,563,462 | 354,749,604 |
| Profit for the period | | _ | _ | - | 1,401,252 | | 1,401,252 | 173,348 | 1,574,600 |
| Gain (Loss) on valuation of financial assets at fair value through other comprehensive income, net of tax Share of other comprehensive income | | - | · _ | - | (12,830) | 986,324 | 973,494 | 22,987 | 996,481 |
| of associates and joint ventures, net of | | | | | | 150.076 | 150.076 | 5 (72) | 165 649 |
| tax Foreign currency translation differences | | - | - | - | - | 159,976 | 159,976 | 5,672 | 165,648 |
| for foreign operations, net of tax | | - | - | - | - | 4,991,533 | 4,991,533 | 65,354 | 5,056,887 |
| Remeasurement of net defined benefit liabilities (assets), net of tax Gain on valuation of cash flow hedge derivatives | | - | - | - | - | (247,600) 8,108 | (247,600) 8,108 | (24) | (247,624) 8,108 |
| Total comprehensive income for the | | | | | 1 200 422 | | , | | |
| period | | - | - | - | 1,388,422 | 5,898,341 | 7,286,763 | 267,337 | 7,554,100 |
| Dividends declared | | - | - | - | (2,452,977) | - | (2,452,977) | (50,097) | (2,503,074) |
| Capital transactions under common control | | - | - | - | - | - | - | (948) | (948) |
| Others | | - | - | - | - | - | - | (266) | (266) |
| Total transactions with owners | | _ | - | - | (2,452,977) | | (2,452,977) | (51,311) | (2,504,288) |
| Balance as of March 31, 2023 | | 119,467 | 778,047 | 4,403,893 | 336,881,85 2 | 7,836,669 | 350,019,92 8 | 9,779,488 | 359,799,416 |

The above interim consolidated statements of changes in equity should be read in conjunction with the accompanying notes.

Samsung Electronics Co., Ltd. and its subsidiaries

INTERIM CONSOLIDATED STATEMENTS OF CHANGES IN EQUITY

(In thousands of US dollars (Note 2.3))

| For the three-month period | | Preference | Ordinary | Share | Retained | Other components | Equity attributable to owners of the parent | Non- controlling | |
|--|-------|------------|----------|-----------|-------------|---------------------|---|---------------------|-------------|
| ended March 31, 2023 | Notes | shares | shares | premium | earnings | of equity | company | interests | Total |
| Balance as of January 1, 2023 | | 89,944 | 585,776 | 3,315,603 | 254,433,083 | 1,459,328 | 259,883,734 | 7,200,139 | 267,083,873 |
| Profit for the period | | - | - | - | 1,054,975 | - | 1,054,975 | 130,510 | 1,185,485 |
| Gain (Loss) on valuation of financial assets at fair value through other comprehensive income, net of tax Share of other comprehensive income of associates and joint ventures, net of | | - | - | - | (9,660) | 742,584 | 732,924 | 17,307 | 750,231 |
| tax | | - | - | - | - | 120,443 | 120,443 | 4,270 | 124,713 |
| Foreign currency translation differences for foreign operations, net of tax Remeasurement of net defined | | - | - | - | - | 3,758,025 | 3,758,025 | 49,204 | 3,807,229 |
| benefit | | | | | | | | | |
| liabilities (assets), net of tax Gain on valuation of cash flow hedge | | - | - | - | - | (186,413) | (186,413) | (18) | (186,431) |
| derivatives | | - | - | - | - | 6,104 | 6,104 | - | 6,104 |
| Total comprehensive income for the period | | - | - | - | 1,045,315 | 4,440,743 | 5,486,058 | 201,273 | 5,687,331 |
| Dividends declared | | - | - | - | (1,846,797) | - | (1,846,797) | (37,717) | (1,884,514) |
| Capital transactions under common | | - | - | - | - | - | - | (714) | (714) |

| control | | | | | | | | |
|--------------------------------|--------|---------|-----------|-------------|-----------|-------------|-----------|-------------|
| Others | - | - | - | - | - | - | (200) | (200) |
| Total transactions with owners | - | - | - | (1,846,797) | - | (1,846,797) | (38,631) | (1,885,428) |
| Balance as of March 31, 2023 | 89,944 | 585,776 | 3,315,603 | 253,631,601 | 5,900,071 | 263,522,995 | 7,362,781 | 270,885,776 |

The above interim consolidated statements of changes in equity should be read in conjunction with the accompanying notes.

INTERIM CONSOLIDATED STATEMENTS OF CASH FLOWS

(In millions of Korean won and in thousands of US dollars (Note 2.3))

| | | For the th | ree-month peri | iods ended Ma | rch 31, |
|---|-------|--------------|----------------|---------------|-------------|
| | Notes | 2024 | 2023 | 2024 | 2023 |
| | | KRW | KRW | USD | USD |
| Operating activities | | | | | |
| Profit for the period | | 6,754,708 | 1,574,600 | 5,085,484 | 1,185,485 |
| Adjustments | 24 | 8,747,019 | 11,708,097 | 6,585,455 | 8,814,792 |
| Changes in assets and liabilities arising | | | | : | |
| from operating activities | 24 | (3,395,289) | (6,440,539) | (2,556,244) | (4,848,953) |
| Cash generated from operations | | 12,106,438 | 6,842,158 | 9,114,695 | 5,151,324 |
| Interest received | | 1,098,569 | 1,085,460 | 827,091 | 817,221 |
| Interest paid | | (164,248) | (219,559) | (123,659) | (165,302) |
| Dividends received | | 35,935 | 38,957 | 27,055 | 29,330 |
| Income tax paid | | (1,210,388) | (1,455,242) | (911,278) | (1,095,622) |
| Net cash from operating activities | | 11,866,306 | 6,291,774 | 8,933,904 | 4,736,951 |
| | | | | | |
| Investing activities | | | | | |
| Net decrease (increase) in short-term | | (12,174,719) | 27,560,017 | (9,166,102) | 20,749,385 |
| financial instruments | | (12,174,717) | 27,500,017 | (),100,102) | 20,749,505 |
| Net decrease in short-term financial assets at amortized cost | | 620,858 | 416,095 | 467,432 | 313,270 |
| Net increase in short-term | , | ÷ | | | |
| financial assets at fair value through profit or | | (1,020) | (3,831) | (768) | (2,884 |
| loss | | | | | |
| Disposal of long-term financial instruments | | 4,100,008 | 2,960,801 | 3,086,814 | 2,229,128 |
| Acquisition of long-term financial instruments | | (129,053) | (534) | (97,161) | (402) |
| Disposal of financial assets at fair value | | | | | |
| through | | 53,306 | 5,607 | 40,133 | 4,221 |
| other comprehensive income | | | | | |
| Acquisition of financial assets at fair value through | | (24,070) | (2,362) | (18,122) | (1,778) |
| other comprehensive income | | (24,070) | (2,302) | (10,122) | (1,770 |
| Disposal of financial assets at fair value | | | | | |
| through | | 92,282 | 17,096 | 69,477 | 12,871 |
| profit or loss | | | | | |
| Acquisition of financial assets at fair value through | | (5,924) | (11,284) | (4,460) | (8,495) |
| profit or loss | | (3,924) | (11,204) | (4,400) | (0,495) |
| Disposal of investment in associates and joint | | 11 721 | 4.661 | 0.022 | 2 500 |
| ventures | | 11,731 | 4,661 | 8,832 | 3,509 |
| Acquisition of investment in associates and | | (6,342) | (62,182) | (4,775) | (46,816) |
| joint ventures | | | | . , | |
| Disposal of property, plant and equipment | | 14,964 | 44,774 | 11,266 | 33,709 |

| Acquisition of property, plant and equipment | (13,421,626) | (13,243,589) | (10,104,873) | (9,970,833) |
|---|--------------|--------------|--------------|-------------|
| Disposal of intangible assets | 340 | 6,142 | 256 | 4,624 |
| Acquisition of intangible assets | (1,143,551) | (1,070,220) | (860,957) | (805,747) |
| Cash inflow from disposal of held-for-sale assets | 101,563 | - | 76,465 | - |
| Cash outflow from other investing activities | (99,498) | (149,721) | (74,911) | (112,722) |
| Net cash provided by (used in) investing activities | (22,010,751) | 16,471,470 | (16,571,454) | 12,401,040 |

The above interim consolidated statements of cash flows should be read in conjunction with the accompanying notes.

INTERIM CONSOLIDATED STATEMENTS OF CASH FLOWS

(In millions of Korean won and in thousands of US dollars (Note 2.3))

| | | For the three-month periods ended March 31, | | | |
|--|-------|---|----------------|-------------|------------|
| | Notes | 2024 | 2024 2023 2024 | | 2023 |
| | | KRW | KRW | USD | USD |
| Financing activities | | | | | |
| Net increase (decrease) in short-term borrowings | | 2,451,071 | (777,531) | 1,845,362 | (585,388) |
| Increase in long-term borrowings | | 118,450 | 58,036 | 89,179 | 43,694 |
| Repayment of debentures and long-term borrowings | | (295,008) | (259,113) | (222,106) | (195,081) |
| Dividends paid | | (1,012,836) | (243) | (762,544) | (183) |
| Transactions with non-controlling interests | | (15) | (948) | (11) | (713) |
| Net cash provided by (used in) financing activities | | 1,261,662 | (979,799) | 949,880 | (737,671) |
| Effect of foreign exchange rate changes | | 1,707,987 | 1,485,222 | 1,285,910 | 1,118,193 |
| Net increase (decrease) in cash and cash equivalents | | (7,174,796) | 23,268,667 | (5,401,760) | 17,518,513 |
| Cash and cash equivalents, beginning of the period | | 69,080,893 | 49,680,710 | 52,009,621 | 37,403,612 |
| Cash and cash equivalents, end of the period | | 61,906,097 | 72,949,377 | 46,607,861 | 54,922,125 |

The above interim consolidated statements of cash flows should be read in conjunction with the accompanying notes.

3. Notes to Consolidated Financial Statements

1. General Information

1.1 Company Overview

Samsung Electronics Co., Ltd. ("SEC") was incorporated under the laws of the Republic of Korea in 1969 and listed its shares on the Korea Stock Exchange in 1975. SEC and its subsidiaries (collectively referred to as the "Company") operate four business divisions: DX, DS, SDC and Harman. DX (Device eXperience) division comprises businesses for digital televisions, refrigerators, smartphones and communication systems. DS (Device Solutions) division comprises businesses for memory, foundry, and system Large Scale Integration (LSI). SDC includes display panels products. Harman division includes connected car systems, audio and visual products, enterprise automation solutions and connected services. SEC is domiciled in the Republic of Korea and is located in Suwon, the Republic of Korea.

These consolidated financial statements have been prepared in accordance with Korean International Financial Reporting Standards (*"Korean IFRS"*) 1110, *Consolidated Financial Statements*. SEC, as the controlling company, consolidates its 227 subsidiaries, including Samsung Display Co., Ltd. and Samsung Electronics America Inc. The Company also applies the equity method of accounting for its 37 associates and joint ventures, including Samsung Electro-Mechanics Co., Ltd.

1.2 Consolidated Subsidiaries

The consolidated subsidiaries as of March 31, 2024 are as follows:

| | | | Percentage of |
|---------|---|--|------------------------------|
| Region | Subsidiaries | Industry | ownership (%) ^(*) |
| America | Samsung Electronics America, Inc. (SEA) | Sale of electronic devices | 100.0 |
| | Samsung International, Inc. (SII) | Manufacture of electronic devices | 100.0 |
| | Samsung Mexicana S.A. de C.V (SAMEX) | Manufacture of electronic devices | 100.0 |
| | Samsung Electronics Home Appliances America, LLC (SEHA) | Manufacture of home appliances | 100.0 |
| | Samsung Research America, Inc. (SRA) | R&D | 100.0 |
| | Samsung Next LLC (SNX) | Management of overseas subsidiaries | 100.0 |
| | Samsung Next Fund LLC (SNXF) | Technology business, venture capital investments | 100.0 |
| | NeuroLogica Corp. | Manufacture and sale of medical equipment | 100.0 |
| | Samsung HVAC America, LLC | Sale of air conditioning products | 100.0 |
| | Joyent, Inc. | Cloud services | 100.0 |
| | SmartThings, Inc. | Sale of smart home electronics | 100.0 |
| | TeleWorld Solutions, Inc. (TWS) | Installation of network devices | 100.0 |
| | Samsung Semiconductor, Inc. (SSI) | Sale of semiconductor and display panels | 100.0 |
| | Samsung Federal, Inc. (SFI) | R&D | 100.0 |
| | Samsung Austin Semiconductor LLC. (SAS) | Manufacture of semiconductors | 100.0 |
| | Samsung Oak Holdings, Inc. (SHI) | Management of overseas subsidiaries | 100.0 |
| | SEMES America, Inc. | Maintenance of semiconductor equipment | 100.0 |
| | Samsung Display America Holdings, Inc. (SDAH) | Management of overseas subsidiaries | 100.0 |
| | eMagin Corporation | Development and manufacture of display panels | 100.0 |
| | Samsung Electronics Canada, Inc. (SECA) | Sale of electronic devices | 100.0 |
| | AdGear Technologies Inc. | Digital advertising platforms | 100.0 |

| | | | Percentage of |
|---------|---|--|------------------------------|
| Region | Subsidiaries | Industry | ownership (%) ^(*) |
| America | Samsung Eletronica da Amazonia Ltda. (SEDA) | Manufacture and sale of electronic devices | 100.0 |

| Sa | amsung Electronics Mexico S.A. De C.V. (SEM) | Sale of electronic devices | 100.0 |
|----|---|---|-------|
| Sa | amsung Electronics Digital Appliance Mexico, SA de CV (SEDAM) | Manufacture of home appliances | 100.0 |
| Sa | amsung Electronics Latinoamerica(Zona Libre), S. A. (SELA) | Sale of electronic devices | 100.0 |
| Sa | amsung Electronics Latinoamerica Miami, Inc. (SEMI) | Sale of electronic devices | 100.0 |
| Sa | amsung Electronica Colombia S.A. (SAMCOL) | Sale of electronic devices | 100.0 |
| Sa | amsung Electronics Argentina S.A. (SEASA) | Marketing and services | 100.0 |
| Sa | amsung Electronics Chile Limitada (SECH) | Sale of electronic devices | 100.0 |
| Sa | amsung Electronics Peru S.A.C. (SEPR) | Sale of electronic devices | 100.0 |
| Sa | amsung Electronics Venezuela, C.A. (SEVEN) | Marketing and services | 100.0 |
| Sa | amsung Electronics Panama. S.A. (SEPA) | Consulting | 100.0 |
| Н | arman International Industries, Inc. | Management of overseas subsidiaries | 100.0 |
| Н | arman Becker Automotive Systems, Inc. | Manufacture, sale and R&D of audio products | 100.0 |
| Н | arman Connected Services, Inc. | Connected service provider | 100.0 |
| Η | arman Connected Services Engineering Corp. | Connected service provider | 100.0 |
| Н | arman da Amazonia Industria Eletronica e Participacoes Ltda. | Manufacture and sale of audio products | 100.0 |
| Н | arman de Mexico, S. de R.L. de C.V. | Manufacture of audio products | 100.0 |
| Н | arman do Brasil Industria Eletronica e Participacoes Ltda. | Sales and R&D of audio products | 100.0 |
| Η | arman International Industries Canada Ltd. | Sale of audio products | 100.0 |
| Η | arman International Mexico, S. de R.L. de C.V. | Sale of audio products | 100.0 |
| Η | arman KG Holding, LLC | Management of overseas subsidiaries | 100.0 |
| Η | arman Professional, Inc. | Sales and R&D of audio products | 100.0 |
| R | oon Labs, LLC. | Sale of audio products | 100.0 |
| в | eijing Integrated Circuit Industry International Fund LP | Venture capital investments | 61.4 |
| С | hina Materialia New Materials 2016 Limited Partnership | Venture capital investments | 99.0 |

| Region | Subsidiaries | Industry | Percentage of ownership (%) |
|------------|--|--|--------------------------------|
| | Samsung Electronics (UK) Ltd. (SEUK) | Sale of electronic devices | 100.0 |
| | Samsung Electronics Ltd. (SEL) | Management of overseas subsidiaries | 100.0 |
| | Samsung Semiconductor Europe Limited (SSEL) | Sale of semiconductor and display panels | 100.0 |
| | Samsung Electronics GmbH (SEG) | Sale of electronic devices | 100.0 |
| | Samsung Electronics Holding GmbH (SEHG) | Management of overseas subsidiaries | 100.0 |
| Europe/CIS | Samsung Semiconductor Europe GmbH (SSEG) | Sale of semiconductor and display panels | 100.0 |
| | Samsung Electronics France S.A.S (SEF) | Sale of electronic devices | 100.0 |
| | Samsung Electronics Italia S.P.A. (SEI) | Sale of electronic devices | 100.0 |
| | Samsung Electronics Iberia, S.A. (SESA) | Sale of electronic devices | 100.0 |
| | Samsung Electronics Portuguesa, Unipessoal, Lda. (SEP) | Sale of electronic devices | 100.0 |
| | Samsung Electronics Hungarian Private Co., Ltd. (SEH) | Manufacture and sale of electronic devices | 100.0 |
| | Samsung Electronics Europe Logistics B.V. (SELS) | Logistics | 100.0 |
| | Samsung Electronics Benelux B.V. (SEBN) | Sale of electronic devices | 100.0 |
| | Samsung Electronics Europe Holding Cooperatief U.A. (SEEH) | Management of overseas subsidiaries | 100.0 |
| | Samsung Electronics Nordic Aktiebolag (SENA) | Sale of electronic devices | 100.0 |
| | Samsung Electronics Slovakia s.r.o (SESK) | Manufacture of TV and monitors | 100.0 |
| | Samsung Display Slovakia, s.r.o., v likvidacii (SDSK) | Toll processing of display panels | 100.0 |
| | Samsung Electronics Polska, SP.Zo.o (SEPOL) | Sale of electronic devices | 100.0 |
| | Samsung Electronics Poland Manufacturing SP.Zo.o (SEPM) | Manufacture of home appliances | 100.0 |
| | Samsung Electronics Romania LLC (SEROM) | Sale of electronic devices | 100.0 |
| | Samsung Electronics Austria GmbH (SEAG) | Sale of electronic devices | 100.0 |
| | Samsung Electronics Switzerland GmbH (SESG) | Sale of electronic devices | 100.0 |
| | Samsung Electronics Czech and Slovak s.r.o. (SECZ) | Sale of electronic devices | 100.0 |
| | Samsung Electronics Baltics SIA (SEB) | Sale of electronic devices | 100.0 |
| | Samsung Electronics Greece S.M.S.A (SEGR) | Sale of electronic devices | 100.0 |
| | Samsung Electronics Air Conditioner Europe B.V. (SEACE) | Sale of air conditioning products | 100.0 |
| | Samsung Nanoradio Design Center (SNDC) | R&D | 100.0 |
| | Samsung Denmark Research Center ApS (SDRC) | R&D | 100.0 |
| | Samsung Cambridge Solution Centre Limited (SCSC) | R&D | 100.0 |
| | SAMSUNG Zhilabs, S.L. | Development and sale of network solutions | 100.0 |
| | FOODIENT LTD. | R&D | 100.0 |
| | Samsung Electronics Rus Company LLC (SERC) | Sale of electronic devices | 100.0 |
| | Samsung Electronics Rus Kaluga LLC (SERK) | Manufacture of TV | 100.0 |
| | Samsung Electronics Ukraine Company LLC (SEUC) | Sale of electronic devices | 100.0 |
| | Samsung R&D Institute Ukraine (SRUKR) | R&D | 100.0 |
| | Samsung Electronics Central Eurasia LLP (SECE) | Sale of electronic devices | 100.0 |
| | Samsung Electronics Overseas B.V. (SEO) | Sale of electronic devices | 100.0 |
| | Samsung R&D Institute Rus LLC (SRR) | R&D | 100.0 |
| | Samsung Electronics Caucasus Co., Ltd (SECC) | Marketing | 100.0 |
| | Samsung Electronics Uzbekistan Ltd. (SEUZ) | Marketing | 100.0 |

| Region | Subsidiaries Industry | | Percentage of ownership (%) ^(*) |
|------------|--|--|--|
| | AKG Acoustics GmbH | Manufacture and sale of audio products | 100.0 |
| | Apostera UA, LLC | Connected Service Provider | 100.0 |
| | Harman Audio Iberia Espana Sociedad Limitada | Sale of audio products | 100.0 |
| | Harman Becker Automotive Systems GmbH | Manufacture, sales and R&D of audio products | 100.0 |
| | Harman Becker Automotive Systems Italy S.R.L. | Sale of audio products | 100.0 |
| | Harman Becker Automotive Systems Manufacturing Kft | Manufacture and R&D of audio products | 100.0 |
| | Harman Belgium SA | Sale of audio products | 100.0 |
| | Harman Connected Services AB. | Connected service provider | 100.0 |
| | Harman Finland Oy | Connected service provider | 100.0 |
| | Harman Connected Services GmbH | Connected service provider | 100.0 |
| | Harman Connected Services Poland Sp.zoo | Connected service provider | 100.0 |
| | Harman Connected Services UK Ltd. | Connected service provider | 100.0 |
| | Harman Consumer Nederland B.V. | Sale of audio products | 100.0 |
| | Harman Deutschland GmbH | Sale of audio products | 100.0 |
| Europe/CIS | Harman France SNC | Sale of audio products | 100.0 |
| | Harman Holding GmbH & Co. KG | Management company | 100.0 |
| | Harman Hungary Financing Ltd. | Financing company | 100.0 |
| | Harman Inc. & Co. KG | Management of overseas subsidiaries | 100.0 |
| | Harman International Estonia OU | R&D | 100.0 |
| • | Harman International Industries Limited | Sale and R&D of audio products | 100.0 |
| | Harman International Romania SRL | R&D | 100.0 |
| | Harman Management GmbH | Management of overseas subsidiaries | 100.0 |
| | Harman Professional Kft | Manufacture and R&D of audio products | 100.0 |
| | Harman Professional Denmark ApS | Sale and R&D of audio products | 100.0 |
| | Red Bend Software SAS | Software design | 100.0 |
| | Studer Professional Audio GmbH | Sale and R&D of audio products | 100.0 |
| | Harman Connected Services OOO | Connected service provider | 100.0 |
| | Harman RUS CIS LLC | Sale of audio products | 100.0 |

| Region | Subsidiaries | Industry | Percentage of ownership (% |
|-------------------------|---|--|-------------------------------|
| | Samsung Gulf Electronics Co., Ltd. (SGE) | Sale of electronic devices | 100.0 |
| | Samsung Electronics Turkiye (SETK) | Sale of electronic devices | 100.0 |
| | Samsung Electronics Industry and Commerce Ltd. (SETK-P) | Manufacture of electronic devices | 100.0 |
| | Samsung Electronics Levant Co., Ltd. (SELV) | Sale of electronic devices | 100.0 |
| | Samsung Electronics Maghreb Arab (SEMAG) | Sale of electronic devices | 100.0 |
| | Samsung Electronics Egypt S.A.E (SEEG) | Manufacture and sale of electronic devices | 100.0 |
| | Samsung Electronics Israel Ltd. (SEIL) | Marketing | 100.0 |
| | Samsung Electronics Tunisia S.A.R.L (SETN) | Marketing | 100.0 |
| | Samsung Electronics Pakistan(Private) Ltd. (SEPAK) | Marketing | 100.0 |
| Middle East & Africa | Samsung Electronics Saudi Arabia Ltd. (SESAR) | Sale of electronic devices | 100.0 |
| & Allica | Samsung Semiconductor Israel R&D Center, Ltd. (SIRC) | R&D | 100.0 |
| | Corephotonics Ltd. | R&D | 100.0 |
| | Samsung Electronics South Africa(Pty) Ltd. (SSA) | Sale of electronic devices | 100.0 |
| | Samsung Electronics South Africa Production (Pty) Ltd. (SSAP) | Manufacture of TV and monitors | 100.0 |
| | Samsung Electronics West Africa Ltd. (SEWA) | Marketing | 100.0 |
| | Samsung Electronics East Africa Ltd. (SEEA) | Marketing | 100.0 |
| | Global Symphony Technology Group Private Ltd. | Management of overseas subsidiaries | 100.0 |
| | Harman Connected Services Morocco | Connected service provider | 100.0 |
| | Harman Industries Holdings Mauritius Ltd. | Management of overseas subsidiaries | 100.0 |
| | Red Bend Ltd. | Manufacture of audio products | 100.0 |
| | Samsung Asia Pte. Ltd. (SAPL) | Management of overseas subsidiaries | 100.0 |
| | Samsung Electronics Singapore Pte. Ltd. (SESP) | Sale of electronic devices | 100.0 |
| | Samsung Malaysia Electronics (SME) Sdn. Bhd. (SME) | Sale of electronic devices | 100.0 |
| | Samsung Electronics Display (M) Sdn. Bhd. (SDMA) | Manufacture of electronic devices | 100.0 |
| | Samsung Electronics (M) Sdn. Bhd. (SEMA) | Manufacture of home appliances | 100.0 |
| | Samsung Vina Electronics Co., Ltd. (SAVINA) | Sale of electronic devices | 100.0 |
| | Samsung Electronics Vietnam Co., Ltd. (SEV) | Manufacture of electronic devices | 100.0 |
| | Samsung Electronics Vietnam THAINGUYEN Co., Ltd. (SEVT) | Manufacture of communication equipment | 100.0 |
| | Samsung Electronics HCMC CE Complex Co., Ltd. (SEHC) | Manufacture and sale of electronic devices | 100.0 |
| | Samsung Display Vietnam Co., Ltd. (SDV) | Manufacture of display panels | 100.0 |
| | PT Samsung Electronics Indonesia (SEIN) | Manufacture and sale of electronic devices | 100.0 |
| | PT Samsung Telecommunications Indonesia (STIN) | Sale of electronic devices and services | 100.0 |
| Asia (Evoluding | Thai Samsung Electronics Co., Ltd. (TSE) | Manufacture and sale of electronic devices | 91.8 |
| (Excluding China) | Laos Samsung Electronics Sole Co., Ltd. (LSE) | Marketing | 100.0 |
| China) | Samsung Electronics Philippines Corporation (SEPCO) | Sale of electronic devices | 100.0 |
| | Samsung Electronics Australia Pty. Ltd. (SEAU) | Sale of electronic devices | 100.0 |
| | Samsung Electronics New Zealand Limited (SENZ) | Sale of electronic devices | 100.0 |
| | Samsung India Electronics Private Ltd. (SIEL) | Manufacture and sale of electronic devices | 100.0 |
| | Red Brick Lane Marketing Solutions Pvt. Ltd. | Marketing | 100.0 |
| | Samsung Display Noida Private Limited (SDN) | Manufacture of display panels | 100.0 |
| | Samsung R&D Institute India-Bangalore Private Limited (SRI- Bangalore) | R&D | 100.0 |
| | Samsung R&D Institute BanglaDesh Limited (SRBD) | R&D | 100.0 |
| | Samsung Nepal Services Pvt, Ltd (SNSL) | Service | 100.0 |
| | Samsung Japan Corporation (SJC) | Sale of semiconductor and display panels | 100.0 |
| | Samsung R&D Institute Japan Co. Ltd. (SRJ) | R&D | 100.0 |

| Region | Subsidiaries | Industry | Percentage o ownership (%) ^(*) |
|------------|---|--|---|
| Region | Samsung Electronics Japan Co., Ltd. (SEJ) | Sale of electronic devices | 100.0 |
| | Harman Connected Services Corp. India Pvt. Ltd. | Connected service provider | 100.0 |
| Asia | Harman International (India) Private Limited | Sale of audio products, R&D | 100.0 |
| (Excluding | Harman International Industries PTY Ltd. | Management of overseas subsidiaries | 100.0 |
| China) | Harman International Japan Co., Ltd. | Sale of audio products, R&D | 100.0 |
| | Harman Singapore Pte. Ltd. | Sale of audio products | 100.0 |
| | Samsung (CHINA) Investment Co., Ltd. (SCIC) | Sale of electronic devices | 100.0 |
| | Samsung Electronics Hong Kong Co., Ltd. (SEHK) | Sale of electronic devices | 100.0 |
| | Samsung Electronics Taiwan Co., Ltd. (SET) | Sale of electronic devices | 100.0 |
| | Tianjin Samsung Electronics Co., Ltd. (TSEC) | Manufacture of TV and monitors | 91.2 |
| | Suzhou Samsung Electronics Co., Ltd. (SSEC) | Manufacture of home appliances | 88.3 |
| | Samsung Suzhou Electronics Export Co., Ltd. (SSEC-E) | Manufacture of home appliances | 100.0 |
| | Samsung Electronics Suzhou Computer Co., Ltd. (SESC) | R&D | 100.0 |
| | Tianjin Samsung Telecom Technology Co., Ltd. (TSTC) | Manufacture of communication equipment | 90.0 |
| | Beijing Samsung Telecom R&D Center (SRC-Beijing) | R&D | 100.0 |
| | Samsung Electronics China R&D Center (SRC-Nanjing) | R&D | 100.0 |
| | Samsung Mobile R&D Center China-Guangzhou (SRC-Guangzhou) | R&D | 100.0 |
| | Samsung R&D Institute China-Shenzhen (SRC-Shenzhen) | R&D | 100.0 |
| | Shanghai Samsung Semiconductor Co., Ltd. (SSS) | Sale of semiconductor and display panels | 100.0 |
| | Samsung (China) Semiconductor Co., Ltd. (SCS) | Manufacture of semiconductors | 100.0 |
| | Samsung SemiConductor Xian Co., Ltd. (SSCX) | Sale of semiconductor and display panels | 100.0 |
| China | Samsung Electronics Suzhou Semiconductor Co., Ltd. (SESS) | Toll processing of semiconductors | 100.0 |
| | Tianjin Samsung LED Co., Ltd. (TSLED) | Manufacture of LED | 100.0 |
| | Samsung Semiconductor (China) R&D Co., Ltd. (SSCR) | R&D | 100.0 |
| | Samsung Display Dongguan Co., Ltd. (SDD) | Manufacture of display panels | 100.0 |
| | Samsung Display Tianjin Co., Ltd. (SDT) | Manufacture of display panels | 95.0 |
| | SEMES (XIAN) Co., Ltd. | Semiconductor/FPD equipment services | 100.0 |
| | Samsung Semiconductor Investment L.P.I | Technology business, Venture capital investments | 99.0 |
| | Harman (China) Technologies Co., Ltd. | Manufacture of audio products | 100.0 |
| | Harman (Suzhou) Audio and Infotainment Systems Co., Ltd. | Sale of audio products | 100.0 |
| | Harman Automotive Electronic Systems (Suzhou) Co., Ltd. | Manufacture and R&D of audio products | 100.0 |
| | Harman Commercial (Shanghai) Co., Ltd. | Sale of audio products | 100.0 |
| | Harman Connected Services Solutions (Chengdu) Co., Ltd. | Connected service provider | 100.0 |
| | Harman Holding Limited | Sale of audio products | 100.0 |
| | Harman International (China) Holdings Co., Ltd. | Sale and R&D of audio products | 100.0 |
| | Harman Technology (Shenzhen) Co., Ltd. | Sale and R&D of audio products | 100.0 |

| | | | Percentage of ownership |
|----------|--|---|----------------------------|
| Region | Subsidiaries | Industry | (%) ^(*) |
| | Samsung Display Co., Ltd. | Manufacture and sale of display panels | 84.8 |
| | SU Materials | Manufacture of display panel components | 50.0 |
| | STECO Co., Ltd. | Manufacture of semiconductor components | 70.0 |
| | SEMES Co., Ltd. | Manufacture and sale of semiconductor/FPD | 91.5 |
| | Samsung Electronics Service Co., Ltd. | Repair services for electronic devices | 99.3 |
| | Samsung Electronics Service Customer Satisfaction Co., Ltd. | Call center for repair services for electronic devices | 100.0 |
| | Samsung Electronics Sales Co., Ltd. | Sale of electronic devices | 100.0 |
| | Samsung Electronics Logitech Co., Ltd. | General logistics agency | 100.0 |
| | Samsung Medison Co., Ltd. | Manufacture and sale of medical equipment | 68.5 |
| | Stella Forest of Hope | Manufacture of food | 100.0 |
| | Mirero System Co., Ltd. | Development and supply of semiconductor process defect and quality control software | 99.9 |
| | Harman International Korea | Software development and supply | 100.0 |
| | Samsung Venture Capital Union #21 | Technology business, Venture capital investments | 99.0 |
| | Samsung Venture Capital Union #22 | Technology business, Venture capital investments | 99.0 |
| | Samsung Venture Capital Union #26 | Technology business, Venture capital investments | 99.0 |
| | Samsung Venture Capital Union #28 | Technology business, Venture capital investments | 99.0 |
| Domestic | Samsung Venture Capital Union #29 | Technology business, Venture capital investments | 99.0 |
| 5 | Samsung Venture Capital Union #32 | Technology business, Venture capital investments | 99.0 |
| | Samsung Venture Capital Union #33 | Technology business, Venture capital investments | 99.0 |
| | Samsung Venture Capital Union #37 | Technology business, Venture capital investments | 99.0 |
| | Samsung Venture Capital Union #40 | Technology business, Venture capital investments | 99.0 |
| | Samsung Venture Capital Union #42 | Technology business, Venture capital investments | 99.0 |
| | Samsung Venture Capital Union #43 | Technology business, Venture capital investments | 99.0 |
| | Samsung Venture Capital Union #45 | Technology business, Venture capital investments | 99.0 |
| | Samsung Venture Capital Union #52 | Technology business, Venture capital investments | 99.0 |
| | Samsung Venture Capital Union #55 | Technology business, Venture capital investments | 99.0 |
| | Samsung Venture Capital Union #56 | Technology business, Venture capital investments | 99.0 |
| | Samsung Venture Capital Union #57 | Technology business, Venture capital investments | 99.0 |
| | Samsung Venture Capital Union #62 | Technology business, Venture capital investments | 99.0 |
| | Growth Type Private Equity Trust Specialized Ir Semiconductors | Investment on semiconductor industry | 66.7 |
| | System LSI Mutual Benefit Private Equity Trust | Investment on semiconductor industry | 62.5 |
| | Semiconductor Ecosystem General Private Equity Trust | Investment on semiconductor industry | 66.7 |

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1.3 Summary of Financial Data of Major Consolidated Subsidiaries

Summary of financial data of major consolidated subsidiaries is as follows:

(1) 2024

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| (In millions of Korean won) | As of Marc | h 31, 2024 | For the three-month period ended March 31, 2024 | |
|--|------------|-------------|--|--------------------------|
| Major subsidiaries ^(*1) | Assets | Liabilities | Sales | Profit for the period |
| Samsung Display Co., Ltd. | 59,679,316 | 5,958,648 | 4,416,769 | 1,988,742 |
| Samsung Electronics America, Inc. (SEA) | 44,265,159 | 16,100,432 | 10,802,156 | 320,694 |
| Samsung Asia Pte. Ltd. (SAPL) | 27,595,924 | 346,498 | - | 4,268,036 |
| Samsung Austin Semiconductor LLC. (SAS) | 19,369,723 | 9,909,787 | 1,047,393 | 137,751 |
| Harman and its subsidiaries ^(*2) | 18,357,132 | 5,833,817 | 3,188,425 | 181,434 |
| Samsung (China) Semiconductor Co., Ltd. (SCS) | 16,604,495 | 981,073 | 3,062,668 | 278,116 |
| Samsung Semiconductor, Inc. (SSI) | 12,864,862 | 5,982,046 | 6,886,736 | 71,338 |
| Samsung Electronics Vietnam THAINGUYEN Co., Ltd. (SEVT) | 11,371,976 | 3,602,504 | 11,035,651 | 955,233 |
| Samsung (CHINA) Investment Co., Ltd. (SCIC) | 10,943,384 | 10,374,957 | 824,353 | 56,727 |
| Samsung Electronics Europe Holding Cooperatief U.A. (SEEH) | 9,889,972 | 4,646,810 | - | 74,334 |
| Samsung India Electronics Private Ltd. (SIEL) | 9,036,280 | 3,998,663 | 4,473,966 | 485,100 |
| Samsung Electronics Vietnam Co., Ltd. (SEV) | 6,257,264 | 2,015,234 | 5,682,381 | 404,813 |
| Shanghai Samsung Semiconductor Co., Ltd. (SSS) | 6,111,601 | 5,690,425 | 7,245,188 | 112,888 |
| Samsung Display Vietnam Co., Ltd. (SDV) | 6,074,465 | 1,448,676 | 3,580,221 | 167,858 |
| Samsung Eletronica da Amazonia Ltda. (SEDA) | 5,367,477 | 1,820,201 | 2,127,073 | 151,276 |
| Samsung Electronics HCMC CE Complex Co., Ltd. (SEHC) | 4,332,474 | 934,331 | 1,685,609 | 55,077 |
| Thai Samsung Electronics Co., Ltd. (TSE) | 3,034,988 | 651,231 | 1,246,205 | 30,487 |
| Samsung Electronics (UK) Ltd. (SEUK) | 2,977,640 | 1,972,562 | 1,662,705 | 44,582 |
| Samsung Electronics Mexico S.A. De C.V. (SEM) | 2,751,099 | 1,518,190 | 1,093,900 | 40,778 |
| Samsung Electronics Europe Logistics B.V. (SELS) | 2,709,719 | 2,040,913 | 4,310,686 | 465,913 |
| Samsung Electronics Taiwan Co., Ltd. (SET) | 2,452,532 | 1,739,421 | 1,493,143 | 52,453 |
| Samsung International, Inc. (SII) | 2,354,443 | 643,332 | 1,657,803 | 144,799 |
| Samsung Electronics GmbH (SEG) | 2,246,143 | 2,155,995 | 1,803,932 | 24,164 |
| SEMES Co., Ltd. | 2,210,055 | 645,361 | 576,056 | 36,966 |
| Samsung Electronics Benelux B.V. (SEBN) | 1,953,646 | 784,939 | 847,508 | 70,004 |

(*1) Summary of financial information is based on separate financial statements of each subsidiary.

(*2) Consolidated financial data of an intermediate company that includes Harman International Industries, Inc. and its subsidiaries.

| (2) | 2023 |
|-----|------|
| (-) | |

| (In millions of Korean won) | As of Decemb | er 31, 2023 | For the three-month period ended March 31, 2023 | |
|--|--------------|-------------|--|--------------------------|
| Major subsidiaries ^(*1) | Assets | Liabilities | Sales | Profit for the period |
| Samsung Display Co., Ltd. | 65,328,568 | 7,266,213 | 5,590,642 | 1,533,158 |
| Samsung Electronics America, Inc. (SEA) | 41,926,899 | 15,322,780 | 10,820,272 | 215,264 |
| Samsung Asia Pte. Ltd. (SAPL) | 22,234,942 | 282,614 | - | 6,633,188 |
| Harman and its subsidiaries(*2) | 17,956,557 | 6,009,675 | 3,162,476 | 80,823 |
| Samsung Austin Semiconductor LLC. (SAS) | 16,714,945 | 7,791,914 | 955,210 | 104,118 |
| Samsung (China) Semiconductor Co., Ltd. (SCS) | 15,808,283 | 870,453 | 2,570,175 | 326,822 |
| Samsung Semiconductor, Inc. (SSI) | 12,796,440 | 6,276,293 | 4,963,535 | 126,986 |
| Samsung Electronics Vietnam THAINGUYEN Co., Ltd. (SEVT) | 12,554,481 | 3,593,527 | 8,617,574 | 296,034 |
| Samsung (CHINA) Investment Co., Ltd. (SCIC) | 10,222,557 | 8,797,991 | 871,611 | 165,215 |
| Samsung Electronics Europe Holding Cooperatief U.A. (SEEH) | 9,660,481 | 4,585,806 | - | 8,475 |
| Samsung India Electronics Private Ltd. (SIEL) | 7,738,259 | 3,373,730 | 3,813,918 | 333,280 |
| Samsung Display Vietnam Co., Ltd. (SDV) | 7,383,485 | 1,570,459 | 5,188,088 | 450,095 |
| Samsung Electronics Vietnam Co., Ltd. (SEV) | 7,301,860 | 2,215,062 | 5,696,296 | 462,841 |
| Samsung Eletronica da Amazonia Ltda. (SEDA) | 5,542,627 | 1,587,911 | 1,915,702 | 132,232 |
| Shanghai Samsung Semiconductor Co., Ltd. (SSS) | 5,262,086 | 4,552,030 | 2,919,973 | 64,077 |
| Samsung Electronics HCMC CE Complex Co., Ltd. (SEHC) | 4,043,677 | 843,736 | 1,497,391 | 198,526 |
| Thai Samsung Electronics Co., Ltd. (TSE) | 3,039,379 | 640,512 | 1,218,750 | 89,052 |
| Samsung Electronics (UK) Ltd. (SEUK) | 2,902,722 | 1,976,067 | 1,527,336 | 72,350 |
| SEMES Co., Ltd. | 2,187,919 | 659,607 | 726,353 | 24,283 |
| Samsung Electronics Mexico S.A. De C.V. (SEM) | 2,153,032 | 1,038,115 | 842,543 | 59,287 |
| Samsung Electronics GmbH (SEG) | 2,097,706 | 2,033,152 | 1,641,944 | 60,288 |
| Samsung International, Inc. (SII) | 1,879,442 | 383,763 | 1,755,989 | 365,590 |
| Samsung Electronics Taiwan Co., Ltd. (SET) | 1,797,627 | 1,139,056 | 945,813 | 2,199 |
| Samsung Electronics Benelux B.V. (SEBN) | 1,794,552 | 639,120 | 831,705 | 106,217 |
| Samsung Electronics Europe Logistics B.V. (SELS) | 1,639,004 | 1,443,005 | 4,242,449 | 184,428 |

(*1) Summary of financial information is based on separate financial statements of each subsidiary.
 (*2) Consolidated financial data of an intermediate company that includes Harman International Industries, Inc. and its subsidiaries.

1.4 Changes in Consolidation Scope

Changes in consolidation scope during the three-month period ended March 31, 2024 are as follows:

| Change | Region | Subsidiary | Description |
|----------|-----------------------|-----------------------------------|------------------|
| | America | Harman Financial Group LLC | Liquidation |
| | Asia(Excluding China) | DOWOOINSYS VINA COMPANY LIMITED | Sale of business |
| Excluded | | Dowooinsys Co., Ltd. | Sale of business |
| | Europe/CIS | Gf-System Co., Ltd. | Sale of business |
| | | Samsung Venture Capital Union #48 | Liquidation |

2. Material Accounting Policies

2.1 Basis of Presentation

The Company maintains its accounting records in Korean won and prepares statutory financial statements in the Korean language (Hangul) in accordance with International Financial Reporting Standards as adopted by the Republic of Korea ("Korean IFRS"). The accompanying interim consolidated financial statements have been condensed, restructured and translated into English from the Korean language financial statements.

The interim consolidated financial statements for the three-month period ended March 31, 2024 have been prepared in accordance with Korean IFRS 1034, *Interim Financial Reporting*. These interim consolidated financial statements have been prepared in accordance with the Korean IFRS which is effective as of March 31, 2024.

(A) New and amended standards adopted by the Company

The Company applied the following amended standards for the first time for the annual reporting period commencing January 1, 2024:

Amendments to Korean IFRS 1001, Presentation of Financial Statements

The amendments to Korean-IFRS 1001 clarify that the classification of liabilities as current or non-current should be based on rights that are in existence at the end of the reporting period and that the classification is unaffected by management's intentions or expectations about whether an entity will exercise its right to defer settlement of a liability. The amendments also introduce a definition of settlement to make clear that settlement includes the transfer to the counterparty of the entity's own equity instruments, however, it would be excluded if an option to settle the liability by the transfer of the entity's own equity instruments is recognized separately from the liability as an equity component of a compound financial instrument. The application of amendments does not have a significant impact on the Company's interim consolidated financial statements.

Amendments to Korean IFRS 1116, Leases

The amendments add requirements for the subsequent measurement of sale-and-leaseback transactions that are accounted for as sales in accordance with Korean IFRS 1115, *Revenue from Contracts with Customers*. The amendments require the seller-lessee to calculate the 'lease payments' or 'revised lease payments' in a way that does not result in the seller-lessee recognizing any gain or loss for the rights of use that the seller-lessee continues to retain after the lease commences. The application of amendments does not have a significant impact on the Company's interim consolidated financial statements.

Amendments to Korean IFRS 1007, Statement of Cash Flows, and 1107, Financial Instruments: Presentation

The amendments add to the disclosure objectives in Korean IFRS 1007, Statement of Cash Flows, that information about supplier financing arrangements should be disclosed to enable users of financial statements to assess the impact of those arrangements on the Company's liabilities and cash flows. The amendments also amend Korean IFRS 1107, Financial Instruments: Presentation, to add supplier financing arrangements as an example of a requirement to disclose information about an entity's exposure to concentrations of liquidity risk. The application of amendments does not have a significant impact on the Company's interim consolidated financial statements.

(B) New and amended standards not yet adopted by the Company

The amended accounting standard issued that is not yet effective for the annual reporting period commencing January 1, 2024 and has not been early adopted by the Company is as follows:

Amendments to Korean IFRS 1021, The Effects of Changes in Foreign Exchange Rates

The amendments require exchangeability of two currencies should be assessed in order to clarify reporting of foreign currency transactions in the absence of normal-functioning foreign exchange market. The amendments also require applicable spot exchange rate should be determined when the assessment indicates two currencies lack exchangeability. The amendments are effective for annual reporting periods beginning on or after January 1, 2025, with early application permitted.

2.2 Accounting Policies

Material accounting policies and method of computation used in the preparation of the interim consolidated financial statements are consistent with those of the annual consolidated financial statements for the year ended December 31, 2023, except for the changes due to the application of amendments of standards described in Note 2.1 and as described below.

Income tax expense for the interim period is recognized based on management's best estimate of the weighted average annual income tax rate expected for the full financial year considering global minimum top-up tax. The estimated average annual effective income tax rate is applied to the pre-tax income of the interim period.

2.3 Convenience Translation into United States Dollar Amounts

The US dollar amounts provided in the consolidated financial statements represent supplementary information solely for the convenience of the reader. All Korean won amounts are expressed in US dollars at the rate of Ψ 1,328.2 to \$1, the average exchange rate for the three-month period ended March 31, 2024. Such presentation is not in accordance with generally accepted accounting principles and should not be construed as a representation that the Korean won amounts shown could be readily converted, realized or settled in US dollars at this or at any other rate.

2.4 Material Accounting Estimates and Assumptions

In preparing the interim consolidated financial statements, the management of the Company makes judgements, estimates and assumptions on matters which affect the application of policies and reported amounts of assets, liabilities, income and expenses. Estimates and assumptions are continually evaluated and are based on historical experience and other factors, including expectations of future events that are believed to be reasonable under the circumstances. The resulting accounting estimates, by definition, seldom equal the related actual results

Material accounting estimates and assumptions made in the preparation of the interim consolidated financial statements are consistent with those applied in the preparation of the annual consolidated financial statements for the year ended December 31, 2023, except for the estimates used to determine the income tax expense.

3. Financial Instruments by Category

Categorizations of financial assets and liabilities as of March 31, 2024 and December 31, 2023 are as follows:

(1) As of March 31, 2024

| (In millions of Korean won) | Financial assets measured at amortized cost | Financial assets measured at fair value through other comprehensive income | Financial assets measured at fair value through profit or loss | Other financial assets ^(*) | Total |
|--|---|---|--|---|-------------|
| Financial assets | | | | | |
| Cash and cash equivalents | 61,906,097 | - | - | - | 61,906,097 |
| Short-term financial instruments | 35,458,597 | - | - | - | 35,458,597 |
| Short-term financial assets at amortized | | | | | |
| cost | - | - | - | - | - |
| Short-term financial assets at | | | | | |
| fair value through profit or loss | - | - | 28,132 | - | 28,132 |
| Trade receivables | 41,145,391 | - | - | - | 41,145,391 |
| Financial assets at fair value through | | | | | |
| other comprehensive income | - | 8,180,091 | - | - | 8,180,091 |
| Financial assets at fair value through | | | | | |
| profit or loss | - | - | 1,414,332 | - | 1,414,332 |
| Other | 11,559,628 | - | 486,073 | 73,929 | 12,119,630 |
| Total | 150,069,713 | 8,180,091 | 1,928,537 | 73,929 | 160,252,270 |

(*) Other financial assets include derivatives designated as hedging instruments which are not subject to categorizations.

| (In millions of Korean won) | Financial liabilities measured at amortized cost | Financial liabilities measured at fair value through profit or loss | Other financial liabilities ^(*) | Total |
|--|--|--|---|------------|
| Financial liabilities | | | | |
| Trade payables | 12,419,094 | - | - | 12,419,094 |
| Short-term borrowings | 311,521 | - | 9,323,027 | 9,634,548 |
| Other payables | 15,019,429 | - | - | 15,019,429 |
| Current portion of long-term liabilities | 400,730 | - | 1,046,761 | 1,447,491 |
| Debentures | 560,590 | - | - | 560,590 |
| Long-term borrowings | - | - | 3,861,524 | 3,861,524 |
| Long-term other payables | 4,658,208 | - | - | 4,658,208 |
| Other | 11,569,291 | 33,656 | 22,381 | 11,625,328 |
| Total | 44,938,863 | 33,656 | 14,253,693 | 59,226,212 |

^(*) Other financial liabilities include collateralized borrowings, lease liabilities and derivatives designated as hedging instruments, which are not subject to categorizations.

(2) As of December 31, 2023

| (In millions of Korean won) | Financial assets measured at amortized cost | Financial assets measured at fair value through other comprehensive income | Financial assets measured at fair value through profit or loss | Other financial assets ^(*) | Total |
|--|---|---|--|---|-------------|
| | | | | | |
| Financial assets | | | | | |
| Cash and cash equivalents | 69,080,893 | - | - | - | 69,080,893 |
| Short-term financial instruments | 22,690,924 | - | - | - | 22,690,924 |
| Short-term financial assets at amortized | | | | | |
| cost | 608,281 | - | - | - | 608,281 |
| Short-term financial assets at | | | | | |
| fair value through profit or loss | - | - | 27,112 | - | 27,112 |
| Trade receivables | 36,647,393 | - | - | - | 36,647,393 |
| Financial assets at fair value through | | | | | |
| other comprehensive income | - | 7,481,297 | - | - | 7,481,297 |
| Financial assets at fair value through | | | | | |
| profit or loss | - | - | 1,431,394 | - | 1,431,394 |
| Other | 14,294,254 | - | 475,244 | 70,777 | 14,840,275 |
| Total | 143,321,745 | 7,481,297 | 1,933,750 | 70,777 | 152,807,569 |

(*) Other financial assets include derivatives designated as hedging instruments which are not subject to categorizations.

| (In millions of Korean won) | Financial liabilities measured at amortized cost | Financial liabilities measured at fair value through profit or loss | Other financial liabilities ^(*) | Total |
|--|--|--|---|------------|
| Financial liabilities | , | | | |
| Trade payables | 11,319,824 | - | - | 11,319,824 |
| Short-term borrowings | 504,552 | - | 6,610,049 | 7,114,601 |
| Other payables | 13,996,395 | - | - | 13,996,395 |
| Current portion of long-term liabilities | 310,436 | - | 998,439 | 1,308,875 |
| Debentures | 537,618 | - | - | 537,618 |
| Long-term borrowings | - | - | 3,724,850 | 3,724,850 |
| Long-term other payables | 4,907,875 | - | - | 4,907,875 |
| Other | 11,330,545 | 49,904 | 33,559 | 11,414,008 |
| Total | 42,907,245 | 49,904 | 11,366,897 | 54,324,046 |

(*) Other financial liabilities include collateralized borrowings, lease liabilities and derivatives designated as hedging instruments, which are not subject to categorizations.

4. Financial Assets at Fair Value

(A) Details of financial assets at fair value as of March 31, 2024 and December 31, 2023 are as follows:

(1) Financial assets at fair value through other comprehensive income

| (In millions of Korean won) | March 31, 2024 | December 31, 2023 |
|-----------------------------|----------------|-------------------|
| Non-current | | |
| Equity instruments | 8,180,091 | 7,481,297 |

(2) Financial assets at fair value through profit or loss

| (In millions of Korean won) | March 31, 2024 | December 31, 2023 |
|-----------------------------|----------------|-------------------|
| Current | | |
| Debt instruments | 28,132 | 27,112 |
| Non-current | | |
| Equity instruments | 713,275 | 812,358 |
| Debt instruments | 701,057 | 619,036 |
| Subtotal | 1,414,332 | 1,431,394 |
| Total | 1,442,464 | 1,458,506 |

(B) Details of listed equity securities of financial assets at fair value as of March 31, 2024 and December 31, 2023 are as follows:

| | | March 31, 2 | December 31, 2023 | | |
|---|------------------------|--|-------------------|-----------------------------------|-----------------------------------|
| (In millions of Korean won and number of shares and percentage) | Number of shares owned | Percentage of ownership ^(*) (%) | Acquisition cost | Carrying amount (Market value) | Carrying amount (Market value) |
| Samsung Heavy Industries Co., Ltd. | 134,027,281 | 15.2 | 932,158 | 1,147,274 | 1,038,711 |
| Hotel Shilla Co., Ltd. | 2,004,717 | 5.1 | 13,957 | 120,283 | 131,108 |
| iMarketKorea Inc. | 647,320 | 1.9 | 324 | 5,502 | 5,560 |
| Wonik Holdings Co.,Ltd. | 3,518,342 | 4.6 | 30,821 | 14,496 | 11,857 |
| Wonik IPS Co., Ltd. | 3,701,872 | 7.5 | 32,428 | 153,628 | 125,679 |
| Wacom Co., Ltd. | 8,398,400 | 5.5 | 62,013 | 49,826 | 50,358 |
| Corning Incorporated | 80,000,000 | 9.3 | 3,980,636 | 3,551,242 | 3,140,978 |
| Other | | | 463,089 | 1,073,965 | 1,093,963 |
| Total | | | 5,515,426 | 6,116,216 | 5,598,214 |

(*) Ownership represents the Company's ownership of the total ordinary shares issued by each entity.

5. Inventories

| | March 31, 2024 | | | December 31, 2023 | | | |
|-----------------------------|-----------------|------------------------|--------------------|-------------------|------------------------|--------------------|--|
| (In millions of Korean won) | Gross amount | Valuation allowance | Carrying amount | Gross amount | Valuation allowance | Carrying amount | |
| Finished goods | 15,448,722 | (1,101,316) | 14,347,406 | 16,120,367 | (1,567,353) | 14,553,014 | |
| Work in process | 25,366,463 | (2,559,954) | 22,806,509 | 26,501,664 | (4,303,216) | 22,198,448 | |
| Raw materials and supplies | 16,640,738 | (1,865,309) | 14,775,429 | 15,222,937 | (1,525,583) | 13,697,354 | |
| Materials in transit | 1,418,356 | - | 1,418,356 | 1,177,058 | - | 1,177,058 | |
| Total | 58,874,279 | (5,526,579) | 53,347,700 | 59,022,026 | (7,396,152) | 51,625,874 | |

Inventories as of March 31, 2024 and December 31, 2023 are as follows:

6. Investments in Associates and Joint Ventures

(A) Changes in investments in associates and joint ventures for the three-month periods ended March 31, 2024 and 2023 are as follows:

| (In millions of Korean won) | 2024 | 2023 | |
|-----------------------------|------------|------------|--|
| Balance as of January 1 | 11,767,444 | 10,893,869 | |
| Acquisition | 6,342 | 62,182 | |
| Disposal | (11,731) | (4,661) | |
| Share of profit | 214,833 | 213,841 | |
| Other ^(*) | (69,115) | 33,392 | |
| Balance as of March 31 | 11,907,773 | 11,198,623 | |

 $\ensuremath{^{(*)}}$ Other consists of dividends, impairment, and reclassification.

(B) Major investments in associates and joint ventures as of March 31, 2024 are as follows:

(1) Investments in associates

| | | | Principal | |
|---|---|--|----------------------|----------------------|
| Investee | Nature of relationship | Percentage of ownership(%) ^(*1) | business location | Fiscal period-end |
| Samsung Electro- Mechanics Co., Ltd. | Manufacture and supply electronic components including passive components, circuit boards, and modules | 23.7 | Korea | December |
| Samsung SDS Co., Ltd. | Provide Information Technology(IT) services including computer programming, system integration and management and logistical services | 22.6 | Korea | December |
| Samsung Biologics Co., Ltd. | Investment in new business | 31.2 | Korea | December |
| Samsung SDI Co., Ltd. ^(*2) | Manufacture and supply electronic parts including secondary cell batteries | 19.6 | Korea | December |
| Cheil Worldwide, Inc. | Advertising agency | 25.2 | Korea | December |

^(*1) Ownership represents the Company's ownership of the total ordinary shares issued by each entity.

(*2) The Company's ownership of ordinary shares outstanding is 20.6%.

(2) Investments in joint ventures

| | | | Principal | |
|---------------------------------------|---|---|----------------------|----------------------|
| Investee | Nature of relationship with joint venture | Percentage of ownership (%) ^(*) | business location | Fiscal period-end |
| Samsung Corning Advanced Glass LLC | Manufacture and supply industrial glass devices | 50.0 | Korea | December |

(*) Ownership represents the Company's ownership of the total ordinary shares issued by the entity.

- (C) Details of investments in associates and joint ventures as of March 31, 2024 and December 31, 2023 are as follows:
 - (1) Investments in associates

| (In millions of Korean won) | | March 31, 2024 | | | | |
|-------------------------------------|------------------|------------------------------|-----------------|--|--|--|
| | | Net asset value of | | | | |
| Investee | Acquisition cost | equity shares ^(*) | Carrying amount | | | |
| Samsung Electro-Mechanics Co., Ltd. | 359,237 | 1,879,909 | 1,886,185 | | | |
| Samsung SDS Co., Ltd. | 147,963 | 1,970,569 | 1,981,551 | | | |
| Samsung Biologics Co., Ltd. | 1,424,358 | 3,124,744 | 3,129,303 | | | |
| Samsung SDI Co., Ltd. | 1,242,605 | 3,804,325 | 2,951,145 | | | |
| Cheil Worldwide, Inc. | 506,162 | 355,168 | 655,678 | | | |
| Other | 690,831 | 844,983 | 1,091,546 | | | |
| Total | 4,371,156 | 11,979,698 | 11,695,408 | | | |

(*) The Company's portion of net asset value of associates is based on the Company's percentage of ownership.

| (In millions of Korean won) | | December 31, 2023 | |
|-------------------------------------|------------------|--|-----------------|
| Investee | Acquisition cost | Net asset value of equity shares ^(*) | Carrying amount |
| Samsung Electro-Mechanics Co., Ltd. | 359,237 | 1,837,925 | 1,841,393 |
| Samsung SDS Co., Ltd. | 147,963 | 1,955,699 | 1,966,206 |
| Samsung Biologics Co., Ltd. | 1,424,358 | 3,068,636 | 3,073,595 |
| Samsung SDI Co., Ltd. | 1,242,605 | 3,726,675 | 2,912,564 |
| Cheil Worldwide, Inc. | 506,162 | 368,875 | 669,363 |
| Other | 690,481 | 844,645 | 1,093,799 |
| Total | 4,370,806 | 11,802,455 | 11,556,920 |

(*) The Company's portion of net asset value of associates is based on the Company's percentage of ownership.

(2) Investments in joint ventures

| (In millions of Korean won) | | March 31, 2024 | |
|------------------------------------|------------------|------------------------------|-----------------|
| | | Net asset value of | |
| Investee | Acquisition cost | equity shares ^(*) | Carrying amount |
| Samsung Corning Advanced Glass LLC | 215,000 | 138,229 | 138,228 |
| Other | 259,994 | 74,287 | 74,137 |
| Total | 474,994 | 212,516 | 212,365 |

(*) The Company's portion of net asset value of joint ventures is based on the Company's percentage of ownership.

| (In millions of Korean won) | | December 31, 2023 | |
|------------------------------------|------------------|------------------------------|-----------------|
| | | Net asset value of | |
| Investee | Acquisition cost | equity shares ^(*) | Carrying amount |
| Samsung Corning Advanced Glass LLC | 215,000 | 138,939 | 138,938 |
| Other | 259,994 | 72,215 | 71,586 |
| Total | 474,994 | 211,154 | 210,524 |

(*) The Company's portion of net asset value of joint ventures is based on the Company's percentage of ownership.

- (D) Details of the changes in the book value of investments in associates and joint ventures using the equity method are as follows:
 - (1) For the three-month period ended March 31, 2024

| (In millions of Korean won) | Balance as of January 1 | Share of profit (loss) | Share of other comprehensive income (loss) | Other ^(*) | Balance as of March 31 |
|-------------------------------------|----------------------------|---------------------------|--|----------------------|---------------------------|
| Samsung Electro-Mechanics Co., Ltd. | 1,841,393 | 45,620 | 19,518 | (20,346) | 1,886,185 |
| Samsung SDS Co., Ltd. | 1,966,206 | 48,113 | 14,407 | (47,175) | 1,981,551 |
| Samsung Biologics Co., Ltd. | 3,073,595 | 56,544 | (836) | - | 3,129,303 |
| Samsung SDI Co., Ltd. | 2,912,564 | 34,211 | 17,833 | (13,463) | 2,951,145 |
| Cheil Worldwide, Inc. | 669,363 | 12,260 | 6,287 | (32,232) | 655,678 |
| Samsung Corning Advanced Glass LLC | 138,938 | (710) | - | - | 138,228 |
| Other | 1,165,385 | 18,795 | (17,400) | (1,097) | 1,165,683 |
| Total | 11,767,444 | 214,833 | 39,809 | (114,313) | 11,907,773 |

(*) Other consists of acquisitions, disposals, dividends, impairment and reclassification.

(2) For the three-month period ended March 31, 2023

| (In millions of Korean won) | Balance as of January 1 | Share of profit (loss) | Share of other comprehensive income (loss) | Other ^(*) | Balance as of March 31 |
|-------------------------------------|----------------------------|---------------------------|--|----------------------|---------------------------|
| Samsung Electro-Mechanics Co., Ltd. | 1,764,249 | 27,365 | 19,529 | (37,156) | 1,773,987 |
| Samsung SDS Co., Ltd. | 1,870,338 | 45,756 | 21,635 | (55,911) | 1,881,818 |
| Samsung Biologics Co., Ltd. | 2,808,673 | 44,686 | 54 | - | 2,853,413 |
| Samsung SDI Co., Ltd. | 2,691,223 | 60,907 | 59,168 | (13,867) | 2,797,431 |
| Cheil Worldwide, Inc. | 649,161 | 11,400 | 7,525 | (33,393) | 634,693 |
| Samsung Corning Advanced Glass LLC | 137,745 | (1,036) | - | - | 136,709 |
| Other | 972,480 | 24,763 | 57,737 | 65,592 | 1,120,572 |
| Total | 10,893,869 | 213,841 | 165,648 | (74,735) | 11,198,623 |

(*) Other consists of acquisitions, disposals, dividends, impairment, and reclassification.

(E) Summary of the financial information of major associates and joint ventures

 Summary of financial information of major associates and dividends received from associates as of March 31, 2024 and December 31, 2023, and for the three-month periods ended March 31, 2024 and 2023 are as follows:

| | | | 2024 | | |
|--|---|--------------------------|-----------------------------------|--------------------------|-----------------------------|
| (In millions of Korean won) | Samsung Electro- Mechanics Co., Ltd. | Samsung SDS Co., Ltd. | Samsung Biologics Co., Ltd. | Samsung SDI Co., Ltd. | Cheil Worldwide, Inc. |
| | | | | , | |
| 1. Condensed financial information | , | | | | |
| Condensed statements of financial position: | | | | | |
| Current assets | 5,606,634 | 8,255,477 | 5,602,200 | 10,044,641 | 2,309,628 |
| Non-current assets | 6,573,296 | 4,201,862 | 10,920,992 | 25,405,992 | 503,430 |
| Current liabilities | 3,208,121 | 2,431,603 | 4,646,078 | 9,831,986 | 1,348,013 |
| Non-current liabilities | 754,850 | 982,052 | 1,866,876 | 5,013,562 | 214,421 |
| Non-controlling interests | 189,981 | 319,844 | - | 1,708,004 | 11,872 |
| Condensed statements of comprehensive income: | | | | | |
| Revenue | 2,624,289 | 3,247,268 | 946,903 | 5,130,893 | 1,018,010 |
| Profit from continuing operations, net of tax (*) | 183,179 | 210,895 | 179,362 | 273,134 | 42,727 |
| Loss from discontinued operations, net of tax $^{(*)}$ | (373) | - | - | - | - |
| Other comprehensive income (*) | 83,481 | 63,780 | 383 | 179,519 | 21,886 |
| Total comprehensive income (*) | 266,287 | 274,675 | 179,745 | 452,653 | 64,613 |
| 2. Dividends from associates | | | | | |
| Dividends | 20,347 | 47,175 | - | 13,463 | 32,232 |

(*) Profit (loss) attributable to owners of the investee

| | 2023 | | | | | |
|--|---|--------------------------|-----------------------------------|--------------------------|-----------------------------|--|
| (In millions of Korean won) | Samsung Electro- Mechanics Co., Ltd. | Samsung SDS Co., Ltd. | Samsung Biologics Co., Ltd. | Samsung SDI Co., Ltd. | Cheil Worldwide, Inc. | |
| 1. Condensed financial information | | | | | | |
| Condensed statements of financial position: | | | | | | |
| Current assets | 5,208,418 | 8,160,300 | 5,521,988 | 9,187,029 | 2,372,420 | |
| Non-current assets | 6,449,453 | 4,160,724 | 10,524,209 | 24,851,831 | 517,085 | |
| Current liabilities | 2,900,460 | 2,391,861 | 4,157,861 | 8,518,933 | 1,375,034 | |
| Non-current liabilities | 727,087 | 953,592 | 2,057,844 | 5,612,677 | 216,707 | |
| Non-controlling interests | 182,613 | 317,562 | - | 1,395,877 | 11,206 | |
| Condensed statements of comprehensive income: | | | | | | |
| Revenue | 2,021,763 | 3,400,923 | 720,922 | 5,354,845 | 941,601 | |
| Profit from continuing operations, net of tax ^(*) | 118,079 | 202,485 | 141,755 | 439,283 | 39,753 | |
| Other comprehensive income ^(*) | 103,812 | 95,781 | 182 | 358,999 | 30,281 | |
| Total comprehensive income ^(*) | 221,891 | 298,266 | 141,937 | 798,282 | 70,034 | |
| 2. Dividends from associates | | | | | | |
| Dividends | 37,155 | 55,911 | - | 13,867 | 33,394 | |

(*) Profit attributable to owners of the investee.

(2) Summary of financial information of major joint ventures and dividends received from joint ventures as of March 31, 2024 and December 31, 2023, and for the three-month periods ended March 31, 2024 and 2023 are as follows:

| | Samsung Corning Advance | d Glass, LLC |
|---|-------------------------|--------------|
| (In millions of Korean won) | 2024 | 2023 |
| Condensed financial information | | |
| Condensed statements of financial position: | | |
| Current assets | 119,825 | 116,372 |
| Non-current assets | 182,292 | 185,100 |
| Current liabilities | 24,708 | 22,684 |
| Non-current liabilities | 952 | 911 |
| Condensed statements of comprehensive income: | | : |
| Revenue | 35,370 | 22,099 |
| Profit (loss) for the period | (1,420) | (2,071) |
| Other comprehensive income | - | - |
| Total comprehensive income | (1,420) | (2,071) |
| Dividends from joint ventures | | |
| Dividends | - | - |

(3) Profit (loss) attributable to owners of the parent company from associates and joint ventures which are not individually material for the three-month periods ended March 31, 2024 and 2023 are as follows:

| | 20 | 24 | 2023 | |
|-----------------------------------|------------|----------------|------------|----------------|
| (In millions of Korean won) | Associates | Joint ventures | Associates | Joint ventures |
| Profit from continuing operations | 18,101 | 694 | 24,199 | 564 |
| Other comprehensive income (loss) | (17,824) | 424 | 53,082 | 4,655 |
| Total comprehensive income | 277 | 1,118 | 77,281 | 5,219 |

| (In millions of Korean won | March 31, | December 31, 2023 | |
|-------------------------------------|-----------------------|-------------------|--------------|
| and number of shares) | Number of shares held | Market value | Market value |
| Samsung Electro-Mechanics Co., Ltd. | 17,693,084 | 2,630,962 | 2,710,580 |
| Samsung SDS Co., Ltd. | 17,472,110 | 2,856,690 | 2,970,259 |
| Samsung Biologics Co., Ltd. | 22,217,309 | 18,462,584 | 16,885,155 |
| Samsung SDI Co., Ltd. | 13,462,673 | 6,340,919 | 6,354,382 |
| Cheil Worldwide, Inc. | 29,038,075 | 545,335 | 552,595 |

(F) Details of marketable investments in associates as of March 31, 2024 and December 31, 2023 are as follows:

(G) Other matters

On July 12, 2018, the Korea Securities and Futures Commission determined an initial measure following an investigation relating to Samsung Biologics Co., Ltd., an associate of the Company, and its accounting for its investment in Samsung Bioepis Co., Ltd, a joint venture between Biogen Therapeutics Inc. and Samsung Biologics Co., Ltd. This measure included a recommendation to dismiss the director in charge, prosecution charges, and external auditor designation by the regulator, on the basis that the Joint Venture Agreement was not disclosed in the notes to the financial statements. On November 14, 2018, the Korea Securities and Futures Commission determined a second measure which included a penalty of W 8,000 million, a recommendation to dismiss the CEO, a requirement to restate its financial statements, and further prosecution charges.

To prove justification of its accounting treatment, Samsung Biologics Co., Ltd. filed a suit for cancellation of the aforementioned measures to the Seoul Administrative Court, which is currently in progress. On September 24, 2020, the Seoul Administrative Court announced a decision to cancel the first measure charged by the Korea Securities and Futures Commission and suspended its execution until the final rulings of appeal. On October 16, 2020, the Korea Securities and Futures Commission appealed the decision and the litigation is in progress at Seoul High Court. Samsung Biologics Co., Ltd. also filed for suspending the execution of the initial and second measures. On January 22, 2019 and February 19, 2019, the Seoul Administrative Court pronounced decisions to suspend the second and initial measures, respectively, until the final rulings. The Korea Securities and Futures Commission immediately appealed against the decisions but the appeals were dismissed by the Seoul High Court on May 13, 2019 and May 24, 2019, in relation to the second and first measures, respectively. On May 23, 2019 and June 10, 2019, the Korea Securities and Futures Commission re-appealed against the dismissals relating to the second and first measures, respectively. On September 6, 2019 and October 11, 2019, the Supreme Court of Korea dismissed the Korea Securities and Futures Commission's re-appeal relating to the second and first measures.

Although the future outcome of the administrative litigation cannot be estimated, should Samsung Biologics Co., Ltd. be required to restate its financial statements to amend its historical accounting treatment relating to its investment in Samsung Bioepis Co., Ltd., the Company's share of profit or loss relating to its equity method investment, the amount of investment in associates, and retained earnings, for the years ended December 31, 2015 and onwards, and the profit on disposal of investment for the year ended December 31, 2016, may be impacted. Given the timing of completion and the final result of the administrative litigation between Samsung Biologics Co., Ltd. and the Korea Securities and Futures Commission is uncertain and cannot currently be estimated, it is not possible for the Company to recognize the effects of these proceedings in the current period consolidated financial statements.

7. Property, Plant and Equipment

(A) Changes in property, plant and equipment for the three-month periods ended March 31, 2024 and 2023 are as follows:

| (In millions of Korean won) | 2024 | 2023 |
|--------------------------------------|-------------|-------------|
| Balance as of January 1 | 187,256,262 | 168,045,388 |
| Acquisition and capital expenditures | 11,773,595 | 11,343,333 |
| Depreciation | (9,231,310) | (8,800,895) |
| Disposals/scrap/impairment | (130,748) | (207,911) |
| Other ^(*) | 1,487,761 | 1,477,601 |
| Balance as of March 31 | 191,155,560 | 171,857,516 |

(*) Other includes effects of changes in foreign currency exchange rates.

(B) Details of depreciation of property, plant and equipment for the three-month periods ended March 31, 2024 and 2023 are as follows:

| (In millions of Korean won) | 2024 | 2023 |
|--|-----------|-----------|
| Cost of sales | 8,197,276 | 7,863,833 |
| Selling and administrative expenses, and other | 1,034,034 | 937,062 |
| Total | 9,231,310 | 8,800,895 |

(C) Right-of-use assets as of March 31, 2024 amount to W 5,612,305 million (December 31, 2023: W 5,449,032 million). During the three-month periods ended March 31, 2024 and 2023, newly recognized right-of-use assets amount to W 464,894 million and W 604,534 million, respectively, with relevant depreciation of W 292,806 million and W 288,193 million, respectively.

8. Intangible Assets

(A) Changes in intangible assets for the three-month periods ended March 31, 2024 and 2023 are as follows:

| (In millions of Korean won) | 2024 | 2023 |
|-----------------------------|------------|------------|
| Balance as of January 1 | 22,741,862 | 20,217,754 |
| External acquisitions | 844,734 | 3,805,353 |
| Amortization | (719,482) | (785,598) |
| Disposals/scrap/impairment | (9,522) | (15,204) |
| Other ^(*) | 389,011 | 395,398 |
| Balance as of March 31 | 23,246,603 | 23,617,703 |

(*) Other includes the cumulative effect of changes in foreign currency exchange rates and business combinations.

(B) Details of amortization of intangible assets for the three-month periods ended March 31, 2024 and 2023 are as follows:

| (In millions of Korean won) | 2024 | 2023 |
|---|---------|---------|
| | | |
| Cost of sales | 484,976 | 552,375 |
| Selling and administrative expenses and other | 234,506 | 233,223 |
| Total | 719,482 | 785,598 |

9. Borrowings

Details of the carrying amounts of borrowings as of March 31, 2024 and December 31, 2023 are as follows:

| (In millions of Korean won) | Financial institutions | Interest rates (%) as of March 31, 2024 | March 31, 2024 | December 31, 2023 |
|--|-------------------------|--|----------------|-------------------|
| (In matters of Refeat work) | i mancial institutions | as of Waren 51, 2024 | March 01, 2024 | December 51, 2025 |
| Short-term borrowings | | | | |
| Collateralized borrowings(*1) | Woori Bank and others | 0.0~13.2 | 9,323,027 | 6,610,049 |
| Non-collateralized borrowings | Citibank and others | 0.0~62.2 | 311,521 | 504,552 |
| Total | | | 9,634,548 | 7,114,601 |
| Current portion of long-term borrow Bank borrowings | vings BNP and others | 36.1~61.5 | 394,084 | 304,082 |
| Lease liabilities ^(*2) | CSSD and others | 4.4 | 1,046,761 | 998,439 |
| Total | | | 1,440,845 | 1,302,521 |
| Long-term borrowings | | | | |
| Lease liabilities ^(*2) | CSSD and others | 4.4 | 3,861,524 | 3,724,850 |

^(*1) Collateralized borrowings are secured by trade receivables.

(*2) Interest expenses arising from the lease liabilities for the three-month periods ended March 31, 2024 and 2023 amount to $\frac{1}{2}$ 53,023 million and $\frac{1}{2}$ 45,462 million, respectively, which are determined using the weighted average incremental borrowing rate. The right-of-use assets are pledged as collateral to the lessor in the event of default.

10. Debentures

Details of the carrying amounts of debentures as of March 31, 2024 and December 31, 2023 are as follows:

| | | Due | Interest rate (%) | | |
|--|------------|-----------|----------------------|---------------------|---------------------|
| (In millions of Korean won) | Issue date | date | as of March 31, 2024 | March 31, 2024 | December 31, 2023 |
| US dollar denominated straight bonds ^(*1) | 1997.10.2 | 2027.10.1 | 7.7 | 26,936 | 25,788 |
| ob donar donominated straight conds | 1997.10.2 | 2027.10.1 | | (US \$ 20 million) | (US \$ 20 million) |
| US dollar denominated debentures ^(*2) | 2015.5.11 | 2025.5.15 | 4.2 | 538,720 | 515,760 |
| 05 donar denominated dependeres | 2015.5.11 | 2025.5.15 | т.2 | (US \$ 400 million) | (US \$ 400 million) |
| Less: Discounts | | | | (347) | (370) |
| Add: Premium | | | | 1,927 | 2,794 |
| Less: Current portion | | | | (6,646) | (6,354) |
| Total | | | | 560,590 | 537,618 |

(*1) US dollar denominated straight bonds are repaid annually for twenty years after a ten-year grace period from the date of issuance. Interest is paid semi-annually.

(*2) Harman International Industries, Inc. issued US dollar denominated debentures. These debentures are repaid on the maturity and interest is paid semi-annually in arrears.

11. Net Defined Benefit Liabilities (Assets)

(A) Details of net defined benefit liabilities (assets) recognized in the statement of financial position as of March 31, 2024 and December 31, 2023 are as follows:

| (In millions of Korean won) | March 31, 2024 | December 31, 2023 | |
|---|----------------|-------------------|--|
| Present value of funded defined benefit obligations | 15,504,318 | 15,403,976 | |
| Present value of unfunded defined benefit obligations | 335,832 | 319,689 | |
| Subtotal | 15,840,150 | 15,723,665 | |
| Fair value of plan assets | (19,917,529) | (20,172,327) | |
| Total | (4,077,379) | (4,448,662) | |

(B) The components of defined benefit costs recognized in profit or loss for the three-month periods ended March 31, 2024 and 2023 relating to defined benefit plans are as follows:

| (In millions of Korean won) | 2024 | 2023 | |
|-----------------------------|----------|----------|--|
| | | | |
| Current service cost | 354,156 | 323,685 | |
| Net interest income | (64,618) | (89,746) | |
| Past service cost | (163) | (255) | |
| Other | 4,534 | 7,929 | |
| Total | 293,909 | 241,613 | |

(C) The expenses related to defined benefit plans recognized in the statement of profit or loss for the three-month periods ended March 31, 2024 and 2023 are as follows:

| (In millions of Korean won) | 2024 | 2023 |
|---|---------|---------|
| Cost of sales | 117,751 | 103,181 |
| Selling and administrative expenses and other | 176,158 | 138,432 |
| Total | 293,909 | 241,613 |

12. Provisions

| | | Royalty | Long-term | Other | |
|-----------------------------|--------------|--------------|----------------|-----------------|-------------|
| (In millions of Korean won) | Warranty (A) | expenses (B) | incentives (C) | (D , E) | Total |
| Balance as of January 1 | 2,540,212 | 1,838,052 | 993.751 | 4,031,311 | 9,403,326 |
| Charged to profit or loss | 577,767 | 384,521 | 41,627 | 1,442,676 | 2,446,591 |
| Payment | (473,574) | (317,888) | (188,490) | (317,140) | (1,297,092) |
| Other ^(*) | 39,779 | 5,671 | 5,101 | 32,665 | 83,216 |
| Balance as of March 31 | 2,684,184 | 1,910,356 | 851,989 | 5,189,512 | 10,636,041 |

Changes in the provisions for the three-month period ended March 31, 2024 are as follows:

(*) Other includes effects of changes in foreign currency exchange rates.

(A) The Company accrues warranty provisions for estimated costs of quality assurance, exchanges, repairs, recalls, and future services based on historical experience and terms of warranty programs.

- (B) The Company recognizes provisions for the estimated royalty expenses that are under negotiation with counterparties. The timing and amount of payment depend on the settlement of the negotiations.
- (C) The Company has a long-term incentive plan for its executives based on a three-year management performance criteria and recognizes a provision for the estimated incentive cost.
- (D) The Company records provisions for future expenses expected to be incurred for products that have been discontinued from manufacturing and sales.
- (E) The Company makes provisions for the emission in excess of the emission rights held by the Company for the applicable years. Details of emission rights and liabilities as of March 31, 2024 are as follows:
 - (1) The amount of emission rights allocated free of charge in the current commitment period and the estimated amount of emission as of March 31, 2024 are as follows:

| (In ten thousand metric tons) | March 31, 2024 |
|--|----------------|
| Emission rights allocated free of charge | 1,689 |
| Estimated volume of emission | 1,761 |

(2) Changes in the emission rights for the three-month periods ended March 31, 2024 and 2023 are as follows:

| (In millions of Korean won) | 2024 | 2023 |
|-----------------------------|-------|--------|
| Balance as of January 1 | 3,137 | 19,567 |
| Increase (decrease) | - | - |
| Balance as of March 31 | 3,137 | 19,567 |

(3) Changes in emissions liabilities for the three-month periods ended March 31, 2024 and 2023 are as follows:

| (In millions of Korean won) | 2024 | 2023 |
|-----------------------------|------|--------|
| Balance as of January 1 | 137 | 32,838 |
| Charged to profit or loss | 35 | (1) |
| Utilization | - | - |
| Balance as of March 31 | 172 | 32,837 |

13. Commitments and Contingencies

(A) Litigation

As of March 31, 2024, the Company is involved in various claims, disputes, and investigations conducted by regulatory bodies that arose during the normal course of business with numerous entities. Although the outflow of resources and timing of these matters are uncertain, the Company believes the outcome will not have a material impact on the financial position of the Company.

(B) Other commitments

As of March 31, 2024, contractual commitments for the acquisition of property, plant and equipment and intangible assets amount to W 16,672,510 million.

14. Contract Liabilities

The Company has recognized contract liabilities related to contracts with customers as follows:

| (In millions of Korean won) | March 31, 2024 | December 31, 2023 | |
|-------------------------------------|----------------|-------------------|--|
| Contract liabilities ^(*) | 13,586,115 | 13,327,724 | |

(*) Contract liabilities include advances received, accrued expenses, other current liabilities and others.

15. Share Capital

As of March 31, 2024, the Company's total number of authorized shares is 25,000,000 shares (Ψ 100 per share). As well as its ordinary shares, the Company also has non-cumulative preference shares that are eligible for an additional 1% cash dividend over par value per annum compared to ordinary shares, but without voting rights. The Company has issued 5,969,782,550 shares of ordinary shares and 822,886,700 shares of preference shares as of March 31, 2024, excluding retired shares. As of March 31, 2024, the number of shares outstanding is the same as the number of shares issued above, and no changes were made to the number of shares outstanding during the three-month period ended March 31, 2024 and the year ended December 31, 2023. Due to the retirement of shares, the total par value of the shares issued which excludes the number of retired shares is Ψ 679,267 million (ordinary shares of Ψ 596,978 million and preference shares of Ψ 82,289 million), which does not agree with paid-in capital of Ψ 897,514 million.

16. Retained Earnings

(A) Retained earnings as of March 31, 2024 and December 31, 2023 consist of the following:

| (In millions of Korean won) | March 31, 2024 | December 31, 2023 | |
|----------------------------------|----------------|-------------------|--|
| Discretionary reserve and other | 208,786,001 | 208,198,003 | |
| Unappropriated retained earnings | 142,061,853 | 138,454,235 | |
| Total | 350,847,854 | 346,652,238 | |

(B) Details of interim dividends are as follows:

| (In millions of Ko | rean won and number of shares) | | 2024 | 2023 |
|-------------------------|---|-----------------|---------------|---------------|
| 1 st Quarter | Number of shares eligible for dividends | Ordinary shares | 5,969,782,550 | 5,969,782,550 |

| | Preference shares | 822,886,700 | 822,886,700 |
|------------------------------------|---------------------|-------------|-------------|
| Dividend rate (based on par value) | Ordinary/Preference | 361% | 361% |
| | Ordinary shares | 2,155,092 | 2,155,092 |
| Dividend amount | Preference shares | 297,062 | 297,062 |
| | Total | 2,452,154 | 2,452,154 |

17. Other Components of Equity

Other components of equity as of March 31, 2024 and December 31, 2023 are as follows:

| (In millions of Korean won) | March 31, 2024 | December 31, 2023 |
|--|----------------|-------------------|
| Gain on valuation of financial assets at fair value through other comprehensive income | 629,632 | 194,419 |
| Share of other comprehensive income of associates and joint ventures | 233,738 | 185,144 |
| Gain on overseas business translation | 8,124,915 | 3,651,112 |
| Remeasurement of net defined benefit liabilities (assets) | (2,932,385) | (2,849,526) |
| Other | 109,908 | 98,981 |
| Total | 6,165,808 | 1,280,130 |

18. Expenses by Nature

Expenses by nature for the three-month periods ended March 31, 2024 and 2023 consist of the following:

| (In millions of Korean won) | 2024 | 2023 | |
|---|------------|-------------|--|
| | | | |
| Changes in finished goods, work in process, and other | (399,265) | (2,216,760) | |
| Raw materials used, merchandise purchased, and other | 24,298,463 | 27,196,920 | |
| Wages and salaries | 8,075,000 | 7,901,166 | |
| Post-employment benefit | 347,810 | 278,289 | |
| Depreciation | 9,231,310 | 8,800,895 | |
| Amortization | 719,482 | 785,598 | |
| Welfare | 1,724,478 | 1,541,276 | |
| Utilities | 2,023,182 | 1,861,110 | |
| Outsourcing | 1,770,506 | 1,680,919 | |
| Advertising | 1,434,926 | 1,145,343 | |
| Sales promotion | 1,837,394 | 1,672,952 | |
| Other | 14,246,306 | 12,457,485 | |
| Total ^(*) | 65,309,592 | 63,105,193 | |

(*) Equal to the sum of cost of sales and selling and administrative expenses in the consolidated statement of profit or loss.

19. Selling and Administrative Expenses

Selling and administrative expenses for the three-month periods ended March 31, 2024 and 2023 are as follows:

| (In millions of Korean won) | 2024 | 2023 |
|-------------------------------------|------------|------------|
| | | |
| Selling and administrative expenses | | |
| Wages and salaries | 2,179,210 | 2,072,409 |
| Post-employment benefit | 77,591 | 69,512 |
| Commissions | 2,083,504 | 2,103,924 |
| Depreciation | 412,997 | 403,646 |
| Amortization | 175,047 | 168,939 |
| Advertising | 1,434,926 | 1,145,343 |
| Sales promotion | 1,837,394 | 1,672,952 |
| Transportation | 714,535 | 414,405 |
| Service | 1,241,559 | 1,021,736 |
| Other | 1,446,457 | 1,446,500 |
| Subtotal | 11,603,220 | 10,519,366 |
| Research and development expenses | | |
| Research and development | 7,820,040 | 6,578,734 |
| Total | 19,423,260 | 17,098,100 |

20. Other Non-Operating Income and Expenses

Details of other non-operating income and expenses for the three-month periods ended March 31, 2024 and 2023 are as follows:

| (In millions of Korean won) | 2024 | 2023 |
|---|---------|---------|
| | | |
| Other non-operating income | | |
| Dividend income | 39,457 | 47,894 |
| Rental income | 38,914 | 37,942 |
| Gain on disposal of property, plant and equipment | 9,335 | 34,449 |
| Other | 357,575 | 384,010 |
| Total | 445,281 | 504,295 |
| (In millions of Korean won) | 2024 | 2023 |
| Other non-operating expenses | | |
| Loss on disposal of property, plant and equipment | 26,048 | 9,392 |
| Donations | 77,476 | 73,083 |
| Other | 277,869 | 121,507 |
| Total | 381,393 | 203,982 |

21. Financial Income and Expenses

Details of financial income and expenses for the three-month periods ended March 31, 2024 and 2023 are as follows:

| (In millions of Korean won) | 2024 | 2023 |
|--|-----------|-----------|
| Financial income | | |
| Interest income | 1,172,185 | 1,060,440 |
| Financial assets measured at amortized cost | 1,172,152 | 1,060,38 |
| Financial assets measured at fair value through profit or loss | 33 | 6 |
| Foreign exchange differences | 2,120,929 | 3,120,01 |
| Gain from derivatives | 191,390 | 447,59 |
| Total | 3,484,504 | 4,628,04 |
| (In millions of Korean won) Financial expenses | 2024 | 2023 |
| Interest expenses | 242,772 | 291,67 |
| Financial liabilities measured at amortized cost | 66,927 | 151,85 |
| Other financial liabilities | 175,845 | 139,82 |
| Foreign exchange differences | 2,240,061 | 3,375,87 |
| Losses from derivatives | 179,678 | 288,44 |
| Total | 2,662,511 | 3,956,00 |

The Company recognizes foreign exchange gains and losses arising from foreign currency transactions and translation as financial income and expenses.

22. Income Tax Expense

Income tax expense is recognized based on management's best estimate of the weighted average annual income tax rate expected for the full financial year considering global minimum top-up tax. The average annual tax rate expected as of March 31, 2024 to be effective for the year ended December 31, 2024 is 12.4%.

23. Earnings per Share

(A) Basic earnings per share

Basic earnings per share for the three-month periods ended March 31, 2024 and 2023 are calculated as follows:

(1) Ordinary shares

| (In millions of Korean won and thousands of number of shares) | 2024 | 2023 | |
|--|-----------|-----------|--|
| | | | |
| Profit for the period attributable to owners of the parent company | 6,621,030 | 1,401,252 | |
| Profit for the period available for ordinary shares | 5,818,936 | 1,231,500 | |
| Weighted-average number of ordinary shares outstanding | 5,969,783 | 5,969,783 | |
| Basic earnings per ordinary share <i>(in Korean won)</i> | 975 | 206 | |
| (In millions of Korean won and thousands of number of shares) | 2024 | 2023 | |
| | | | |
| Profit for the period attributable to owners of the parent company | 6,621,030 | 1,401,252 | |
| Profit for the period available for preference shares | 802,094 | 169,752 | |
| Weighted-average number of preference shares outstanding | 822,887 | 822,887 | |
| | | | |

(B) Diluted earnings per share

The Company does not have dilutive potential ordinary shares and as a result, basic earnings per share and diluted earnings per share are the same for the three-month periods ended March 31, 2024 and 2023.

24. Statements of Cash Flows

The Company used the indirect method to present cash flows from operating activities. Adjustments and changes in assets and liabilities arising from operating activities for the three-month periods ended March 31, 2024 and 2023 are as follows:

- Adjustments

| (In millions of Korean won) | 2024 | 2023 | |
|---|-------------|------------|--|
| Adjustments: | | | |
| Income tax expense | 952,015 | 251,780 | |
| Financial income | (2,077,714) | (2,267,376 | |
| Financial expenses | 1,520,022 | 1,797,50 | |
| Post-employment benefits | 347,810 | 278,28 | |
| Depreciation | 9,231,310 | 8,800,89 | |
| Amortization | 719,482 | 785,59 | |
| Bad debt expense (reversal) | (31,709) | 67,55 | |
| Dividend income | (39,457) | (47,894 | |
| Share of profit of associates and joint ventures | (214,833) | (213,841 | |
| Gain on disposal of property, plant and equipment | (9,335) | (34,449 | |
| Loss on disposal of property, plant and equipment | 26,048 | 9,392 | |
| Loss (gain) on valuation of inventories | (1,648,575) | 2,475,649 | |
| Others | (28,045) | (195,008 | |
| Total | 8,747,019 | 11,708,097 | |

- Changes in assets and liabilities arising from operating activities

| (In millions of Korean won) | 2024 | 2023 | |
|--|-------------|-------------|--|
| Changes in assets and liabilities : | | | |
| Decrease (increase) in trade receivables | (3,609,636) | 411,960 | |
| Decrease (increase) in other receivables | (223,276) | 1,151,428 | |
| Decrease (increase) in prepaid expenses | 36,117 | (422,761) | |
| Decrease (increase) in inventories | 627,518 | (3,731,787) | |
| Increase in trade payables | 446,091 | 1,071,670 | |
| Increase (decrease) in other payables | 479,925 | (4,473) | |
| Increase (decrease) in advances received | 171,189 | (47,042) | |
| Increase (decrease) in withholdings | 13,584 | (528,193) | |
| Decrease in accrued expenses | (1,229,733) | (5,169,031) | |
| Increase in provisions | 1,149,499 | 1,287,161 | |
| Payment of post-employment benefits | (289,829) | (162,758) | |
| Others | (966,738) | (296,713) | |
| Total | (3,395,289) | (6,440,539) | |

For the three-month periods ended March 31, 2024 and 2023, cash outflows from principal portion of lease liabilities (financial activities) amount to Ψ 286,357 million and Ψ 261,755 million, respectively, and cash outflows due to interest expenses (operating activities) in relation to the lease liabilities amount to Ψ 53,023 million and Ψ 45,462 million, respectively.

25. Financial Risk Management

The Company manages its financial risks with a focus on minimizing market risk, credit risk, and liquidity risk arising from its operating activities. To this end, the Company closely monitors and responds to each risk factor.

The Company establishes global financial management standards, periodically measures customer's and counterparty's financial risk, and manages the risk with currency hedges and review of cash flows.

The Company also manages foreign exchange risk by monitoring foreign exchange rate fluctuations through local financial centers in the major regions (United States, United Kingdom, Singapore, China, Brazil, and Russia), which act as an agent for the subsidiaries in each region to manage foreign exchange transactions. In addition, local finance centers in the major regions respond to liquidity risk through a regionally integrated financial structure.

The Company's financial assets subject to financial risk management consist of cash and cash equivalents, short-term financial instruments, financial assets at amortized cost, trade receivables and others, while its financial liabilities consist of trade payables, borrowings, and others.

(A) Market risk

(1)Foreign exchange risk

The Company is exposed to foreign exchange risk arising from its global operations through transactions in currencies other than its functional currency. The main currencies in which the Company is exposed to foreign exchange risk are the US dollar and European Euro.

The Company focuses on minimizing the impact of foreign exchange fluctuation by matching levels of assets and liabilities denominated in each foreign currency. To minimize exchange position, the Company's foreign exchange management policy requires normal business transactions, including import and export, as well as financing transactions, such as depositing and borrowing, to be in local currency or match as closely as possible cash inflows and outflows incurred in the respective foreign currencies. This reduces but may not eliminate the foreign exchange risk to which the Company is exposed. Moreover, the Company periodically evaluates and monitors the foreign exchange risk to efficiently mitigate such risk, and the speculative foreign exchange transactions are strictly prohibited.

(2) Interest rate risk

Interest rate risk for floating interest rate financial instruments can be defined as the risk of changes in the fair value of components of the statement of financial position due to changes in the market interest rates, and the risk of changes in the future cash flows of interest income and expenses arising from investing and financing activities. The Company's exposure to interest rate risk arises primarily from interest-bearing deposits and floating interest rate debt obligations, and the Company manages its exposure to interest rate risk to minimize uncertainty and cost of financing resulting from changes in interest rates.

(3)Price risk

The Company's investment portfolio consists of direct and indirect investments in equity instruments classified as financial assets at fair value through other comprehensive income and financial assets at fair value through profit or loss, which is in line with the Company's strategy.

As of March 31, 2024 and 2023, price fluctuation of marketable equity securities (listed stocks) by 1% would result in

changes in other comprehensive income (before income tax) of Ψ 58,830 million and Ψ 111,415 million, respectively, and changes in profit before tax of Ψ 2,333 million and Ψ 5,354 million, respectively.

(B) Credit risk

Credit risk arises during the normal course of transactions and investing activities where customers or other parties fail to discharge an obligation. The Company monitors and sets the customer's and counterparty's credit limit on a periodic basis based on their financial conditions, default history and other factors. Adequate insurance coverage is maintained for trade receivables related to trading partners situated in high risk countries.

Credit risk also can arise from transactions with financial institutions including transactions in financial instruments such as cash and cash equivalents, deposits, and derivative instruments. To minimize such risk, the Company transacts only with banks that have a strong international credit rating (S&P A and above), and new transactions with financial institutions which the Company does not have an existing relationship are subject to the completion of risk assessments prior to commencement of transactions. The Company generally enters into financial agreements without restrictions, such as debt ratio covenants, provision of collateral and/or repayment of loans/borrowings, and otherwise separate approvals are obtained.

The carrying amount of the Company's financial assets is net of impairment losses and the Company's maximum exposure to credit risk is equal to the carrying amount of its financial assets.

(C) Liquidity risk

Liquidity risk is the risk that a company will have difficulty in meeting all its financial obligations. The Company's main sources of liquidity are cash generated from operations and funds raised from the capital markets and financial institutions, while its main liquidity needs are for investments in production, research and development, working capital and dividends. Due to the nature of the Company's business, which involves large investments, maintaining adequate levels of liquidity is critical. The Company maintains and manages adequate liquidity through forecasting periodic cash flows, estimating required cash levels, and monitoring inflows and outflows of cash.

The Company has established Cash Pooling by region to respond effectively to liquidity risks, even when individual companies within a region are underfunded. Cash Pooling is a system that shares funds between underfunded and overfunded companies, minimizing the liquidity risk of individual companies, easing the burden of fund management, and reducing financial costs.

In addition, the Company has secured credit lines for its overseas subsidiaries by means of payment guarantees from the head office in the event of large liquidity needs, and, at the end of the period, the Company had investment grade ratings of Aa2 from Moody's and AA- from S&P, enabling it to raise funds on the capital market in a timely manner.

(D) Capital risk management

The purpose of capital management is to maintain a sound capital structure and protect the Company's ability to continue to provide benefits to its shareholders and stakeholders as a going concern. The Company monitors capital on the basis of credit ratings and debt ratio.

The debt ratios as of March 31, 2024 and December 31, 2023 are as follows:

| (In millions of Korean won) | March 31, 2024 | December 31, 2023 |
|-----------------------------|----------------|-------------------|
| Total liabilities | 98,983,688 | 92,228,115 |
| Total equity | 371,916,124 | 363,677,865 |

(E) Fair value measurement

(1) Carrying amounts and fair values of financial instruments by category as of March 31, 2024 and December 31, 2023 are as follows:

| | March 31, 2024 | | December 31, 2023 | |
|--|-----------------|------------|-------------------|------------|
| (In millions of Korean won) | Carrying amount | Fair value | Carrying amount | Fair value |
| Financial assets | | | | |
| Cash and cash equivalents | 61,906,097 | (*1) | 69,080,893 | (*1) |
| Short-term financial instruments | 35,458,597 | (*1) | 22,690,924 | (*1) |
| Short-term financial assets at amortized cost | - | (*1) | 608,281 | (*1) |
| Short-term financial assets at fair value through profit or loss | 28,132 | 28,132 | 27,112 | 27,112 |
| Trade receivables | 41,145,391 | (*1) | 36,647,393 | (*1) |
| Financial assets at fair value through other comprehensive income Financial assets at fair value through | 8,180,091 | 8,180,091 | 7,481,297 | 7,481,297 |
| profit or loss | 1,414,332 | 1,414,332 | 1,431,394 | 1,431,394 |
| Other ^(*2) | 12,119,630 | 560,002 | 14,840,275 | 546,021 |
| Total financial assets | 160,252,270 | | 152,807,569 | |
| Financial liabilities | | | | |
| Trade payables | 12,419,094 | (*1) | 11,319,824 | (*1) |
| Short-term borrowings | 9,634,548 | (*1) | 7,114,601 | (*1) |
| Other payables | 15,019,429 | (*1) | 13,996,395 | (*1) |
| Current portion of long-term liabilities | 1,447,491 | 7,121 | 1,308,875 | 6,757 |
| - Long-term borrowings | 1,440,845 | (*1)(*3) | 1,302,521 | (*1)(*3) |
| - Debentures | 6,646 | 7,121 | 6,354 | 6,757 |
| Debentures | 560,590 | 553,826 | 537,618 | 529,254 |
| Long-term borrowings | 3,861,524 | (*1)(*3) | 3,724,850 | (*1)(*3) |
| Long-term other payables | 4,658,208 | (*1) | 4,907,875 | (*1) |
| Other ^(*2) | 11,625,328 | 56,037 | 11,414,008 | 83,463 |
| Total financial liabilities | 59,226,212 | | 54,324,046 | |

(*1) Assets and liabilities whose carrying amount is a reasonable approximation of fair value are excluded from the fair value disclosures.

(*2) Assets measured at the cost of W 11,559,628 million as of March 31, 2024 (December 31, 2023: W 14,294,254 million) and liabilities measured at the cost of W 11,569,291 million as of March 31, 2024 (December 31, 2023: W 11,330,545 million) are excluded as the carrying amount is a reasonable estimation of fair value.

(*3) Lease liabilities, classified under the current portion of long-term liabilities and long-term borrowings, are excluded from the fair value disclosures in accordance with *Korean IFRS 1107*.

(2) Fair value hierarchy classifications of the financial instruments that are measured or disclosed at fair value as of March 31, 2024 and December 31, 2023 are as follows:

| (In millions of Korean won) | Level 1 | Level 2 | Level 3 | Total balance |
|---|-----------|---------|-----------|---------------|
| 1) Assets | | | | |
| Short-term financial assets at fair value through profit or loss Financial assets at fair value through | - | 28,132 | - | 28,132 |
| other comprehensive income | 5,882,959 | - | 2,297,132 | 8,180,091 |
| Financial assets at fair value through profit or loss | 233,257 | - | 1,181,075 | 1,414,332 |
| Other | - | 110,397 | 449,605 | 560,002 |
| 2) Liabilities | | | | |
| Current portion of debentures | - | 7,121 | - | 7,121 |
| Debentures | - | 553,826 | - | 553,826 |
| Other | - | 56,037 | - | 56,037 |

| | December 31, 2023 | | | | | | |
|---|-------------------|---------|-----------|---------------|--|--|--|
| (In millions of Korean won) | Level 1 | Level 2 | Level 3 | Total balance | | | |
| 1) Assets | | | | | | | |
| Short-term financial assets at fair value through profit or loss Financial assets at fair value through | - | 27,112 | - | 27,112 | | | |
| other comprehensive income Financial assets at fair value through | 5,250,993 | - | 2,230,304 | 7,481,297 | | | |
| profit or loss | 347,221 | - | 1,084,173 | 1,431,394 | | | |
| Other | - | 130,364 | 415,657 | 546,021 | | | |
| 2) Liabilities | | | | | | | |
| Current portion of debentures | , - | 6,757 | - | 6,757 | | | |
| Debentures | - | 529,254 | - | 529,254 | | | |
| Other | - | 83,463 | - | 83,463 | | | |

The levels of the fair value hierarchy and its application to financial assets and liabilities are described below.

· Level 1: Quoted prices (unadjusted) in active markets for identical assets or liabilities

• Level 2: Inputs other than quoted prices included within Level 1 that are observable for the asset or liability, either directly or indirectly

• Level 3: Inputs for the asset or liability that are not based on observable market data (that is, unobservable inputs)

The fair value of financial instruments traded in active markets is based on quoted market prices at the reporting date. A market is regarded as active if quoted prices are readily and regularly available from an exchange, dealer, broker, industry group, pricing service, or regulatory agency, and those prices represent actual and regularly occurring market transactions on an arm's length basis. These instruments are included in Level 1. The instruments included in Level 1 are listed equity investments, most of which are classified as financial assets at fair value through other comprehensive income.

The fair value of financial instruments that are not traded in an active market is determined by using valuation techniques. These valuation techniques maximize the use of observable market data where available and rely as little as possible on entity-specific estimates. If all significant inputs required to measure the fair value of an instrument are observable, the instrument is included in Level 2.

If one or more of the significant inputs are not based on observable market data, the instrument is included in Level 3.

The Company performs the fair value measurements required for financial reporting purposes, including Level 3 fair values, and discusses valuation processes and results in line with the financial reporting timelines. The Company's policy is to recognize transfers between levels at the end of the reporting period if corresponding events or changes in circumstances have occurred.

Specific valuation techniques used to value financial instruments include:

· Quoted market prices or dealer quotes for similar instruments

• The fair value of forward foreign exchange contracts determined using forward exchange rates at the reporting date, with the resulting value discounted to present value

Other techniques, such as discounted cash flow analysis, binomial distribution model, etcetera, are used to determine fair value for the remaining financial instruments. For trade and other receivables that are classified as current assets, the book value approximates a reasonable estimate of fair value.

(3) Valuation technique and the inputs

The Company utilizes a present value technique to discount future cash flows using proper interest rates for corporate bonds, government and public bonds, and bank debentures that are classified as Level 2 in the fair value hierarchy.

The following table presents the valuation technique and the inputs used for major financial instruments classified as Level 3 as of March 31, 2024.

| Classification | Fair value | Valuation technique | Level 3 inputs | Input range |
|---|-----------------|----------------------|----------------------------------|-------------|
| Financial assets at fair value throug | gh other compre | hensive income | | |
| | 22.250 | D' (1 10 | Permanent growth rate | 1.0% |
| Samsung Venture Investment | 33,250 | Discounted cash flow | Weighted average cost of capital | 16.6% |
| | 24.662 | D: (1 10 | Permanent growth rate | 0.0% |
| MiCo Ceramics Co., Ltd. | 34,662 | Discounted cash flow | Weighted average cost of capital | 15.4% |
| TCL China Star Optoelectronics | 1 206 526 | D: (1 1 0 | Permanent growth rate | 0.0% |
| Technology Co., Ltd. (CSOT) | 1,306,526 | Discounted cash flow | Weighted average cost of capital | 10.5% |
| China Star Optoelectronics | 221 741 | D' (1 10 | Permanent growth rate | 0.0% |
| Semiconductor Display Technology Ltd. (CSOSDT) | 221,741 | Discounted cash flow | Weighted average cost of capital | 10.5% |
| Others | | | | |
| | 400 (7(| Din and all | Risk-free rate | 3.5% |
| Call option on equity instruments | 422,676 | Binomial model | Price volatility | 69.7% |

(In millions of Korean won and percentage)

| | 2(020 | D' '1 11 | Risk-free rate | 3.9%~5.2%, 1.9% |
|---|------------------|------------------------|------------------------------|-----------------|
| Put option on equity instruments | 26,929 | Binomial model - | Price volatility | 21.8%, 24.6% |
| (4) Changes in Level 3 instru | uments for the t | hree-month periods end | ed March 31, 2024 and 2023 a | are as follows: |
| (In millions of Korean won) | | | 2024 | 2023 |
| Financial assets | | | | |
| Balance as of January 1 | | | 3,730,134 | 3,303,227 |
| Acquisitions | | | 29,994 | 45,261 |
| Disposals | | | (6,092) | (22,638) |
| Amount recognized in profit for the per | iod | | 48,572 | 256,578 |
| Amount recognized in other comprehen | sive income | | 16,585 | (298,342) |
| Other | | | 108,619 | (620) |
| Balance as of March 31 | | | 3,927,812 | 3,283,466 |
| (In millions of Korean won) | | | 2024 | 2023 |
| Financial liabilities | | | | |
| Balance as of January 1 | | | - | 7,404 |
| Amount recognized in profit for the per | iod | | - | - |
| Other | | | - | - |
| Balance as of March 31 | | | - | 7,404 |

(5) Sensitivity analysis for recurring fair value measurements categorized within Level 3

Sensitivity analysis of financial instruments is performed to measure favorable and unfavorable changes in the fair value of financial instruments which are affected by the unobservable parameters, using a statistical technique. When the fair value is affected by more than two input parameters, the amounts represent the most favorable or unfavorable.

The results of the sensitivity analysis for effect on income or loss before tax from changes in inputs for major financial instruments which are categorized within Level 3 and subject to sensitivity analysis are as follows:

| (In millions of Korean won) | Favorable cl | hanges | Unfavorable cl | nanges |
|--|----------------|---------|----------------|-----------|
| Classification | Profit or loss | Equity | Profit or loss | Equity |
| Financial assets at fair value through other | | | | |
| comprehensive income ^(*1) | - | 161,113 | - | (111,219) |
| Others ^(*2) | 108,637 | - | (108,367) | - |

 $^{(*1)}$ For equity securities, changes in fair value are calculated by increasing or the growth rate (-1%~1%) and the discount rate, which are significant unobservable inputs.

(*2) Changes in fair value were calculated based on changes in underlying asset price (20%) and price volatility (10%),

which are significant unobservable inputs.

26. Segment Information

(A) Operating segment information

The chief operating decision-maker has been identified as the Management Committee. The Company determines operating segments based on the segment information reported to the Management Committee. The Management Committee reviews the operating profits of each operating segment in order to evaluate the performance and to make strategic decisions regarding the allocation of resources to each segment.

Revenue consists mostly of product sales. The operating segments are product-based and are identified based on the internal organization and revenue streams. As of the reporting date, the operating segments are comprised of DX, DS, SDC, Harman, and others.

The segment information including depreciation, amortization and operating profits is prepared after adjusting intercompany transactions. Total assets and liabilities of each operating segment are excluded from the disclosure as these have not been provided regularly to the Management Committee.

| (In millions of Korean won) | DX | DS | SDC | Harman | Intercompany reconciliations | Total ^(*) |
|-----------------------------|------------|------------|-----------|-----------|---------------------------------|----------------------|
| 3 | | | | | | |
| Revenue | 47,292,742 | 23,137,290 | 5,386,418 | 3,200,250 | (7,101,099) | 71,915,601 |
| Depreciation | 639,747 | 7,849,063 | 607,414 | 85,397 | - | 9,231,310 |
| Amortization | 402,536 | 152,446 | 56,385 | 53,252 | - | 719,482 |
| Operating profit | 4,074,891 | 1,914,015 | 340,684 | 240,839 | - | 6,606,009 |

(1) For the three-month period ended March 31, 2024

(*) Other operating segments are not separately disclosed.

Net revenue by major product for the three-month period ended March 31, 2024 are as follows:

| (In millions of Korean won) | TV, monitor, and other | Smartphone and other | Memory | Display panels | Total ^(*) |
|-----------------------------|---------------------------|----------------------|------------|----------------|----------------------|
| Revenue | 7,233,971 | 32,791,373 | 17,494,267 | 5,386,418 | 71,915,601 |

(*) Other operating segments are not separately disclosed.

(2) For the three-month period ended March 31, 2023

| (In millions of Korean won) | DX | DS | SDC | Harman | Intercompany reconciliations | Total ^(*) |
|-----------------------------|------------|-------------|-----------|---------------|------------------------------|----------------------|
| D | 46 000 510 | 12 724 475 | ((14 151 | 2 1 (5 9 0 7 | (5.001.((5) | () 745)71 |
| Revenue | 46,222,513 | 13,734,475 | 6,614,151 | 3,165,897 | (5,991,665) | 63,745,371 |
| Depreciation | 615,404 | 7,222,761 | 832,834 | 80,028 | - | 8,800,895 |
| Amortization | 417,358 | 206,609 | 55,023 | 49,103 | | 785,598 |
| Operating profit | 4,208,760 | (4,581,854) | 776,016 | 128,949 | - | 640,178 |

(*) Other operating segments are not separately disclosed.

Net revenue by major product for the three-month period ended March 31, 2023 are as follows:

| (In millions of Korean won) | TV, monitor, and other | Smartphone and other | Memory | Display panels | Total ^(*) |
|-----------------------------|------------------------|----------------------|-----------|----------------|----------------------|
| Revenue | 7,434,935 | 30,744,551 | 8,916,997 | 6,614,151 | 63,745,371 |

(*) Other operating segments are not separately disclosed.

(B) Regional information

The regional information provided to the Management Committee for the reportable segments as of and for the threemonth periods ended March 31, 2024 and 2023 are as follows:

(1) As of and for the period ended March 31, 2024

| (In millions of Korean won) | Korea | America | Europe | Asia and Africa | China | Intercompany elimination | Total |
|-----------------------------------|-------------|------------|------------|--------------------|------------|-----------------------------|-------------|
| Revenue | 9,413,447 | 25,388,843 | 13,219,027 | 12,679,313 | 11,214,971 | - | 71,915,601 |
| Non-current assets ^(*) | 166,034,578 | 22,724,212 | 6,421,842 | 9,071,180 | 11,840,825 | (1,690,474) | 214,402,163 |

(*) Financial instruments, deferred tax assets, and investments in associates and joint ventures are excluded from non-current assets.

(2) As of and for the period ended March 31, 2023

| | | | | Asia | | Intercompany | |
|-----------------------------------|-------------|------------|------------|------------|------------|--------------|-------------|
| (In millions of Korean won) | Korea | America | Europe | and Africa | China | elimination | Total |
| | | | | | | | |
| | | , | | | | | |
| Revenue | 11,300,428 | 22,762,451 | 12,582,923 | 11,534,339 | 5,565,230 | - | 63,745,371 |
| Non-current assets ^(*) | 150,663,992 | 15,167,060 | 6,135,315 | 9,249,314 | 15,224,391 | (964,853) | 195,475,219 |

(*) Financial instruments, deferred tax assets, and investments in associates and joint ventures are excluded from non-current assets.

27. Related Party Transactions

(A) Transactions with related parties

Transactions with related parties for the three-month periods ended March 31, 2024 and 2023 are as follows:

| | | | 2024 | | | | | |
|--------------------------|-------------------------------------|---------|--------|----------------------------|-----------|--|--|--|
| (In millions of | | | | Purchase of non-current | | | | |
| Korean won) | Name of company ^(*1) | Sales | assets | Purchases | assets | | | |
| | Samsung SDS Co.,Ltd. | 63,908 | - | 473,033 | 58,026 | | | |
| | Samsung Electro-Mechanics Co., Ltd. | 27,477 | - | 347,141 | - | | | |
| Associates and | Samsung SDI Co., Ltd. | 36,837 | - | 179,184 | 8,556 | | | |
| joint ventures | Cheil Worldwide Inc. | 33,003 | - | 232,204 | 6,375 | | | |
| | Other | 312,544 | 122 | 3,062,248 | 35,974 | | | |
| | Total | 473,769 | 122 | 4,293,810 | 108,931 | | | |
| | Samsung C&T Co., Ltd. | 7,997 | - | 53,210 | 1,588,496 | | | |
| Other related parties | Other | 158,632 | - | 373,416 | 1,314,075 | | | |
| parties | Total | 166,629 | - | 426,626 | 2,902,571 | | | |
| | Samsung Engineering Co., Ltd. | 147 | - | 15,656 | 467,250 | | | |
| $O(1 - 1)^{(*2)}$ | S-1 Corporation | 1,868 | - | 129,073 | 5,461 | | | |
| Other ^(*2) | Other | 59,727 | - | 81,136 | 291,111 | | | |
| | Total | 61,742 | - | 225,865 | 763,822 | | | |

(*1) Transactions with separate entities that are related parties of the Company.

(*2) Although these entities are not related parties of the Company in accordance with *Korean IFRS 1024*, they belong to the same large enterprise group in accordance with the Monopoly Regulation and Fair Trade Act.

| | | | 202. | 3 | |
|--------------------------------|-------------------------------------|---------|--------------------------------------|-----------|-----------|
| (In millions of Korean won) | Name of company ^(*1) | Sales | Purchase of non-current assets | | |
| | Samsung SDS Co.,Ltd. | 74,499 | - | 485,177 | 82,168 |
| | Samsung Electro-Mechanics Co., Ltd. | 43,706 | - | 328,465 | 60 |
| Associates and | Samsung SDI Co., Ltd. | 41,404 | - | 197,264 | 2,072 |
| joint ventures | Cheil Worldwide Inc. | 34,213 | - | 235,243 | 76 |
| | Other | 250,843 | - | 3,350,585 | 28,046 |
| | Total | 444,665 | - | 4,596,734 | 112,422 |
| | Samsung C&T Co., Ltd. | 8,878 | 70 | 62,594 | 799,655 |
| Other related parties | Other | 153,664 | - | 559,486 | 645,636 |
| parties | Total | 162,542 | 70 | 622,080 | 1,445,291 |
| | Samsung Engineering Co., Ltd. | 439 | - | 212 | 310,139 |
| Other ^(*2) | S-1 Corporation | 2,827 | - | 129,859 | 3,449 |
| Other 2 | Other | 29,662 | - | 178,822 | 84,196 |
| | Total | 32,928 | - | 308,893 | 397,784 |

(*1) Transactions with separate entities that are related parties of the Company.

^(*2) Although these entities are not related parties of the Company in accordance with *Korean IFRS 1024*, they belong to the same large enterprise group in accordance with the Monopoly Regulation and Fair Trade Act.

(B) Balances of receivables and payables

Arising from transactions with related parties as of March 31, 2024 and December 31, 2023 are as follows:

| | | March 31, 1 | 2024 |
|----------------------------|-------------------------------------|-------------|--------------------------|
| In millions of Korean won) | Name of company ^(*1) | Receivables | Payables ^(*2) |
| | Samsung SDS Co.,Ltd. | 86,922 | 516,231 |
| | Samsung Electro-Mechanics Co., Ltd. | 21,274 | 192,361 |
| Associates and | Samsung SDI Co., Ltd. | 135,571 | 110,609 |
| joint ventures | Cheil Worldwide Inc. | 32,317 | 327,367 |
| | Other | 298,198 | 1,160,560 |
| | Total | 574,282 | 2,307,128 |
| | Samsung C&T Co., Ltd. | 210,807 | 1,241,553 |
| Other related parties | Other | 28,108 | 312,183 |
| | Total | 238,915 | 1,553,736 |
| | Samsung Engineering Co., Ltd. | 143 | 344,573 |
| O(1 - r(*3)) | S-1 Corporation | 1,199 | 50,686 |
| Other ^(*3) | Other | 12,809 | 401,587 |
| | Total | 14,151 | 796,846 |

(*1) Balances due from and to separate entities that are related parties of the Company.

 $^{(\ast 2)}$ Payables and others include lease liabilities.

^(*3) Although these entities are not related parties of the Company in accordance with *Korean IFRS 1024*, they belong to the same large enterprise group in accordance with the Monopoly Regulation and Fair Trade Act.

| | | December 31 | , 2023 |
|-----------------------------|-------------------------------------|-------------|--------------------------|
| (In millions of Korean won) | Name of company ^(*1) | Receivables | Payables ^(*2) |
| | Samsung SDS Co.,Ltd. | 84,747 | 458,723 |
| | Samsung Electro-Mechanics Co., Ltd. | 1,894 | 138,405 |
| Associates and | Samsung SDI Co., Ltd. | 117,690 | 92,854 |
| joint ventures | Cheil Worldwide Inc. | 137 | 440,414 |
| | Other | 310,708 | 1,268,131 |
| | Total | 515,176 | 2,398,527 |
| | Samsung C&T Co., Ltd. | 213,538 | 1,955,976 |
| Other related parties | Other | 23,155 | 318,355 |
| | Total | 236,693 | 2,274,331 |
| | Samsung Engineering Co., Ltd. | 305 | 807,098 |
| Q (1 (*3)) | S-1 Corporation | 1,289 | 49,955 |
| Other ^(*3) | Other | 16,096 | 390,073 |
| | Total | 17,690 | 1,247,126 |

(*1) Balances due from and to separate entities that are related parties of the Company.

(*2) Payables and others include lease liabilities.

(*3) Although these entities are not related parties of the Company in accordance with *Korean IFRS 1024*, they belong to the same large enterprise group in accordance with the Monopoly Regulation and Fair Trade Act.

- (C) For the three-month periods ended March 31, 2024 and 2023 the Company invested W 6,342 million and W 62,182 million, respectively, in associates and joint ventures. In addition, the Company has made capital recovery of W 11,731 million and W 4,661 million from its investments in associates and joint ventures during the three-month periods ended March 31, 2024 and 2023, respectively.
- (D) For the three-month periods ended March 31, 2024 and 2023, the Company declared dividends of ₩ 412,172 million and ₩ 412,942 million, respectively, to related parties. As of March 31, 2024, the dividend payable to related parties amounts to ₩ 412,172 million. In addition, for the three-month periods ended March 31, 2024 and 2023, the Company declared dividends of ₩ 32,058 million and ₩ 32,058 million, respectively, to the entities that are not related parties of the Company in accordance with Korean IFRS 1024, but belong to the same conglomerate according to the Monopoly Regulation and Fair Trade Act. As of March 31, 2024, there is ₩ 32,058 million dividends payable to the entities belong to the same conglomerate according to the Monopoly Regulation and Fair Trade Act.
- (E) For the three-month periods ended March 31, 2024 and 2023, the Company entered into lease agreements with its related parties amounting to ₩ 16,048 million and ₩ 50 million, respectively, and the lease payments made to the related parties were ₩ 7,385 million and ₩ 5,089 million, respectively.
- (F) Key management compensation

The compensation paid or payable to key management (executive directors) for their services for the three-month periods ended March 31, 2024 and 2023 consists of:

| (In millions of Korean won) | 2024 | 2023 |
|-----------------------------------|-------|-------|
| | | |
| Short-term employee benefits | 3,017 | 3,330 |
| Post-employment benefits | 175 | 139 |
| Other long-term employee benefits | 2,289 | 1,959 |

28. Assets and Liabilities Held-for-Sale

During the year ended December 31, 2023, the Company's management decided to sell its 56.8% ownership in Dowooinsys Co., Ltd. to three parties, including New Power Plasma Co., Ltd. The sale and purchase agreement was signed on December 7, 2023, and the sale was completed on January 31, 2024.

| (1) | Details of assets and liabilities cla | ssified as held-for-sale as o | of December 31, 2023 are as follows: |
|-----|---------------------------------------|-------------------------------|--------------------------------------|
|-----|---------------------------------------|-------------------------------|--------------------------------------|

| (In millions of Korean won) | December 31, 2023 |
|---|-------------------|
| Assets held-for-sale | |
| Cash and cash equivalents | 14,153 |
| Trade receivables | 1,316 |
| Inventories | 4,697 |
| Other current assets | 13,134 |
| Property, plant and equipment and intangible assets | 181,251 |
| Other non-current assets | 3,313 |
| Total | 217,864 |
| Liabilities held-for-sale | |
| Current liabilities | 27,608 |
| Non-current liabilities | 34,046 |
| Total | 61,654 |

(2) Details of accumulated other comprehensive income attributable to assets held-for-sale are as follows:

| (In millions of Korean won) | December 31, 2023 |
|--|-------------------|
| Foreign currency translation, net of tax | (217) |

4. Non-Consolidated Financial Statements

Samsung Electronics Co., Ltd.

INTERIM SEPARATE STATEMENTS OF FINANCIAL POSITION

(In millions of Korean won and in thousands of US dollars (Note 2.3))

| | | March 31, | December 31, | March 31, | December 31, |
|--|----------------------|-------------|--------------|-------------|--------------|
| | Notes | 2024 | 2023 | 2024 | 2023 |
| | | KRW | KRW | USD | USD |
| Assets | | | | | |
| Current assets | | | | | |
| Cash and cash equivalents | 3, 25 | 12,282,309 | 6,061,451 | 9,247,105 | 4,563,545 |
| Short-term financial instruments | 3, 25 | 50,247 | 50,071 | 37,830 | 37,697 |
| Trade receivables | 3, 25 | 32,832,663 | 27,363,016 | 24,719,055 | 20,601,067 |
| Non-trade receivables | 3, 25 | 1,814,938 | 1,910,054 | 1,366,430 | 1,438,041 |
| Prepaid expenses | | 1,282,037 | 1,349,755 | 965,220 | 1,016,204 |
| Inventories | 5 | 30,849,308 | 29,338,151 | 23,225,826 | 22,088,106 |
| Other current assets | 3, 25 | 3,177,409 | 2,475,944 | 2,392,207 | 1,864,089 |
| | | 82,288,911 | 68,548,442 | 61,953,673 | 51,608,749 |
| Non-current assets Financial assets at fair value through | 2 4 25 | 2,049,692 | 1,854,503 | 1,543,172 | 1,396,218 |
| other comprehensive income Financial assets at fair value through profit or loss | 3, 4, 25 3, 4, 25 | -, | 1 | - | 1 |
| Investments in subsidiaries, associates and joint ventures | 6 | 57,280,254 | 57,392,438 | 43,125,156 | 43,209,617 |
| Property, plant and equipment | 7 | 141,929,781 | 140,579,161 | 106,856,090 | 105,839,235 |
| Intangible assets | 8 | 10,671,387 | 10,440,211 | 8,034,274 | 7,860,226 |
| Net defined benefit assets | 11 | 3,448,988 | 3,745,697 | 2,596,674 | 2,820,060 |
| Deferred income tax assets | | 9,996,955 | 9,931,358 | 7,526,507 | 7,477,121 |
| Other non-current assets | 3, 25 | 4,417,320 | 4,365,478 | 3,325,713 | 3,286,681 |
| | | 229,794,377 | 228,308,847 | 173,007,586 | 171,889,159 |
| Total assets | | 312,083,288 | 296,857,289 | 234,961,259 | 223,497,908 |

INTERIM SEPARATE STATEMENTS OF FINANCIAL POSITION

(In millions of Korean won and in thousands of US dollars (Note 2.3))

| | | March 31, | December 31, | March 31, | December 31, |
|--|--------------|------------|--------------|------------|-----------------|
| | Notes | 2024 | 2023 | 2024 | 2023 |
| | | KRW | KRW | USD | USD |
| Liabilities and Equity | | | | | |
| Current liabilities | | | | | |
| Trade payables | 3, 25 | 12,457,726 | 7,943,834 | 9,379,172 | 5,980,754 |
| Short-term borrowings | 3, 9, 25 | 8,555,367 | 5,625,163 | 6,441,165 | 4,235,073 |
| Other payables | 3, 25 | 14,707,458 | 15,256,046 | 11,072,951 | 11,485,972 |
| Advances received | 14 | 247,532 | 302,589 | 186,362 | 227,813 |
| Withholdings | 3, 25 | 471,283 | 445,470 | 354,820 | 335,385 |
| Accrued expenses | 3, 14, 25 | 6,690,737 | 6,931,991 | 5,037,322 | 5,218,957 |
| Current income tax liabilities | | 221,148 | - | 166,498 | - |
| Current portion of long-term liabilities | 3, 9, 10, 25 | 242,227 | 228,491 | 182,368 | 172,026 |
| Provisions | 12 | 5,574,603 | 4,540,702 | 4,197,007 | 3,418,604 |
| Other current liabilities | 14 | 447,847 | 500,815 | 337,174 | 377,053 |
| | | 49,615,928 | 41,775,101 | 37,354,839 | 31,451,637 |
| Non-current liabilities | | | | | |
| Debentures | 3, 10, 25 | 19,943 | 19,064 | 15,015 | 14,353 |
| Long-term borrowings | 3, 9, 25 | 22,901,308 | 22,902,035 | 17,241,936 | 17,242,484 |
| Long-term other payables | 3, 25 | 4,671,833 | 4,942,826 | 3,517,330 | 3,721,355 |
| Long-term provisions | 12 | 2,719,829 | 2,413,133 | 2,047,705 | 1,816,800 |
| Other non-current liabilities | | 14,994 | 17,356 | 11,289 | 13,066 |
| | | 30,327,907 | 30,294,414 | 22,833,275 | 22,808,058 |
| Total liabilities | | 79,943,835 | 72,069,515 | 60,188,114 | 54,259,695 |

INTERIM SEPARATE STATEMENTS OF FINANCIAL POSITION

(In millions of Korean won and in thousands of US dollars (Note 2.3))

| | March 31, | December 31, | March 31, | December 31, |
|-------|----------------|--|--|---|
| Notes | 2024 | 2023 | 2024 | 2023 |
| | KRW | KRW | USD | USD |
| | | | | |
| 15 | 119,467 | 119,467 | 89,944 | 89,944 |
| 15 | 778,047 | 778,047 | 585,776 | 585,776 |
| | 4,403,893 | 4,403,893 | 3,315,603 | 3,315,603 |
| 16 | 227,247,811 | 219,963,351 | 171,090,327 | 165,606,003 |
| 17 | (409,765) | (476,984) | (308,505) | (359,113) |
| | 232,139,453 | 224,787,774 | 174,773,145 | 169,238,213 |
| | 212 002 200 | 20/ 957 290 | 224.0(1.250 | 223,497,908 |
| | 15 15 16 | Notes 2024 KRW 15 119,467 15 778,047 4,403,893 16 227,247,811 17 (409,765) | Notes 2024 2023 KRW KRW 15 119,467 119,467 15 778,047 778,047 15 778,047 778,047 4,403,893 4,403,893 16 227,247,811 219,963,351 17 (409,765) (476,984) 232,139,453 224,787,774 | Notes 2024 2023 2024 KRW KRW USD 15 119,467 119,467 89,944 15 778,047 778,047 585,776 4,403,893 4,403,893 3,315,603 16 227,247,811 219,963,351 171,090,327 17 (409,765) (476,984) (308,505) 232,139,453 224,787,774 174,773,145 |

The above interim separate statements of financial position should be read in conjunction with the accompanying notes

INTERIM SEPARATE STATEMENTS OF PROFIT OR LOSS

(In millions of Korean won and in thousands of US dollars (Note 2.3))

| | | For the t | hree-month per | riods ended Ma | rch 31, |
|-------------------------------------|-----------|------------|----------------|----------------|-------------|
| | Note s | 2024 | 2023 | 2024 | 2023 |
| | | KRW | KRW | USD | USD |
| Revenue | 26 | 51,239,617 | 42,168,679 | 38,577,282 | 31,747,954 |
| Cost of sales | 18 | 38,772,850 | 37,113,489 | 29,191,303 | 27,942,003 |
| Gross profit | | 12,466,767 | 5,055,190 | 9,385,979 | 3,805,951 |
| Selling and administrative expenses | 18, 19 | 10,459,387 | 8,963,951 | 7,874,663 | 6,748,779 |
| Operating profit (loss) | 26 | 2,007,380 | (3,908,761) | 1,511,316 | (2,942,828) |
| Other non-operating income | 20 | 8,249,118 | 8,569,984 | 6,210,596 | 6,452,169 |
| Other non-operating expense | 20 | 271,087 | 92,240 | 204,096 | 69,446 |
| Financial income | 21 | 1,440,265 | 2,153,358 | 1,084,347 | 1,621,220 |
| Financial expense | 21 | 1,440,379 | 2,320,148 | 1,084,433 | 1,746,792 |
| Profit before income tax | | 9,985,297 | 4,402,193 | 7,517,730 | 3,314,323 |
| Income tax expense | 22 | 247,860 | 244,098 | 186,609 | 183,777 |
| Profit for the period | | 9,737,437 | 4,158,095 | 7,331,121 | 3,130,546 |
| Earnings per share | 23 | | | | |
| (in Korean won, in US dollars) | | | | | |
| - Basic | | 1,434 | 612 | 1.08 | 0.46 |
| - Diluted | , | 1,434 | 612 | 1.08 | 0.46 |

The above interim separate statements of profit or loss should be read in conjunction with the accompanying notes.

INTERIM SEPARATE STATEMENTS OF COMPREHENSIVE INCOME

(In millions of Korean won and in thousands of US dollars (Note 2.3))

| | | For the three-month periods ended March 31, | | | | | | |
|---|-----------|---|-----------|-----------|-----------|--|--|--|
| | Note s | 2024 | 2023 | 2024 | 2023 | | | |
| | | KRW | KRW | USD | USD | | | |
| Profit for the period | | 9,737,437 | 4,158,095 | 7,331,121 | 3,130,546 | | | |
| Other comprehensive income (loss) | | | | | | | | |
| Items that will not be reclassified subsequently to profit or loss: Gain (loss) on valuation of financial assets at | | | | | | | | |
| fair value through other comprehensive income, net of tax | 17 | 143,659 | 87,319 | 108,158 | 65,741 | | | |
| Remeasurement of net defined benefit | | | | | | | | |
| liabilities (assets), net of tax | 17 | (76,440) | (240,124) | (57,550) | (180,784) | | | |
| Items that may be reclassified subsequently to profit or loss | | - | - | - | - | | | |
| Other comprehensive income (loss) for the period, net of tax | | 67,219 | (152,805) | 50,608 | (115,043) | | | |
| Total comprehensive income for the period | | 9,804,656 | 4,005,290 | 7,381,729 | 3,015,503 | | | |

INTERIM SEPARATE STATEMENTS OF CHANGES IN EQUITY

(In millions of Korean won)

| For the three-month period ended March 31, 2024 | Notes | Preference shares | Ordinary shares | Share premium | Retained earnings | Other components of equity | Total |
|--|-------|----------------------|--------------------|------------------|-----------------------------|----------------------------------|-------------|
| Balance as of January 1, 2024 | | 119,467 | 778,047 | 4,403,893 | 219,963,351 | (476,984) | 224,787,774 |
| Profit for the period | | - | - | - | 9,737,437 | - | 9,737,437 |
| Gain on valuation of financial assets at fair value through other comprehensive income, net of tax | 17 | - | - | - | - | 143,659 | 143,659 |
| Remeasurement of net defined benefit assets, net of tax | 17 | - | - | - | - | (76,440) | (76,440) |
| Total comprehensive income for the period | | - | - | - | 9,737,437 | 67,219 | 9,804,656 |
| Dividends declared | | - | - | - | (2,452,977) | - | (2,452,977) |
| Total transactions with owners | | - | - | - | (2,452,977) | - | (2,452,977) |
| Balance as of March 31, 2024 | | 119,467 | 778,047 | 4,403,893 | 227,247,811 | (409,765) | 232,139,453 |

INTERIM SEPARATE STATEMENTS OF CHANGES IN EQUITY

(In thousands of US dollars (Note 2.3))

| For the three-month period ended March 31, 2024 | Notes | Preference shares | Ordinary shares | Share premium | Retained earnings | Other components of equity | Total |
|--|-------|----------------------|--------------------|------------------|----------------------|----------------------------------|-------------|
| Balance as of January 1, 2024 | | 89,944 | 585,776 | 3,315,603 | 165,606,003 | (359,113) | 169,238,213 |
| Profit for the period | | - | - | - | 7,331,121 | - | 7,331,121 |
| Gain on valuation of financial assets at fair value through other comprehensive income, net of tax | 17 . | - | - | - | - | 108,158 | 108,158 |
| Remeasurement of net defined benefit assets, net of tax | 17 | - | - | - | - | (57,550) | (57,550) |
| Total comprehensive income for the period | | - | - | - | 7,331,121 | 50,608 | 7,381,729 |
| Dividends declared | | - | - | - | (1,846,797) | - | (1,846,797) |
| Total transactions with owners | | - | - | - | (1,846,797) | - | (1,846,797) |
| Balance as of March 31, 2024 | | 89,944 | 585,776 | 3,315,603 | 171,090,327 | (308,505) | 174,773,145 |

INTERIM SEPARATE STATEMENTS OF CHANGES IN EQUITY

(In millions of Korean won)

| For the three-month period ended March 31, 2023 | Notes | Preference shares | Ordinary shares | Share premium | Retained earnings | Other components of equity | Total |
|--|-------|----------------------|--------------------|------------------|----------------------|----------------------------------|-------------|
| Balance as of January 1, 2023 | | 119,467 | 778,047 | 4,403,893 | 204,388,016 | (273,232) | 209,416,191 |
| Profit for the period | | - | - | - | 4,158,095 | - | 4,158,095 |
| Gain on valuation of financial assets at fair value through other comprehensive income, net of tax | ٠ | - | - | - | - | 87,319 | 87,319 |
| Remeasurement of net defined benefit asset, net of tax | | - | - | - | - | (240,124) | (240,124) |
| Total comprehensive income (loss) for the period | | - | - | - | 4,158,095 | (152,805) | 4,005,290 |
| Dividends declared | | - | - | - | (2,452,977) | - | (2,452,977) |
| Total transactions with owners | | - | - | - | (2,452,977) | - | (2,452,977) |
| Balance as of March 31, 2023 | | 119,467 | 778,047 | 4,403,893 | 206,093,134 | (426,037) | 210,968,504 |

INTERIM SEPARATE STATEMENTS OF CHANGES IN EQUITY

(In thousands of US dollars (Note 2.3))

| Notes | Preference shares | Ordinary shares | Share premium | Retained earnings | Other components of equity | Total |
|-------|----------------------|---|--|--|--|---|
| | 89,944 | 585,776 | 3,315,603 | 153,879,645 | (205,711) | 157,665,257 |
| | - | - | - | 3,130,546 | - | 3,130,546 |
| | - | - | - | - | 65,741 | 65,741 |
| v | - | - | - | - | (180,784) | (180,784) |
| | - | - | - | 3,130,546 | (115,043) | 3,015,503 |
| | - | - | - | (1,846,797) | - | (1,846,797) |
| | - | - | - | (1,846,797) | - | (1,846,797) |
| | 89,944 | 585,776 | 3,315,603 | 155,163,394 | (320,754) | 158,833,963 |
| | Notes | Notes shares 89,944 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - | Notes shares shares 89,944 585,776 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - | Notes shares shares premium 89,944 585,776 3,315,603 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - | Notes shares premium earnings 89,944 585,776 3,315,603 153,879,645 - - - 3,130,546 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - | Notes Preference shares Ordinary shares Share premium Retained earnings components of equity 89,944 585,776 3,315,603 153,879,645 (205,711) - - 3,130,546 - - - - 65,741 - - - 65,741 - - - 180,784) - - - 180,784) - - - 180,784) - - - 180,784) - - - 180,784) - - - - - - - 180,784) - - - 1,846,797) |

INTERIM SEPARATE STATEMENTS OF CASH FLOWS

(In millions of Korean won and in thousands of US dollars (Note 2.3))

| | For the three-month periods ended March 31, | | | | | | |
|---|---|----------------|--------------|--------------|-------------|--|--|
| | Notes | 2024 | 2023 | 2024 | 2023 | | |
| | | KRW | KRW | USD | USD | | |
| Operating activities | | | | | | | |
| Profit for the period | | 9,737,437 | 4,158,095 | 7,331,121 | 3,130,546 | | |
| Adjustments | 24 | (1,466,860) | 1,420,168 | (1,104,370) | 1,069,216 | | |
| Changes in assets and liabilities arising from | 24 | (1, 420, 20,4) | | (1,002,(02)) | (5.400.004) | | |
| operating activities | 24 | (1,439,384) | (7,173,527) | (1,083,683) | (5,400,804) | | |
| Cash generated from operations | | 6,831,193 | (1,595,264) | 5,143,068 | (1,201,042) | | |
| Interest received | | 44,596 | 45,168 | 33,575 | 34,006 | | |
| Interest paid | | (162,952) | (90,232) | (122,683) | (67,934) | | |
| Dividends received | | 8,032,303 | 8,119,231 | 6,047,360 | 6,112,806 | | |
| Income tax paid | | (116,420) | (595,352) | (87,650) | (448,229) | | |
| Net cash from operating activities | | 14,628,720 | 5,883,551 | 11,013,670 | 4,429,607 | | |
| , | | | | | | | |
| Investing activities | | | | | | | |
| Net increase in short-term financial instruments | | (176) | (997) | (133) | (751) | | |
| Disposal of financial assets at fair value through other comprehensive income | | - | 22 | - | 17 | | |
| Disposal of financial assets at fair value through profit or loss | | 1 | - | 1 | - | | |
| Disposal of investments in subsidiaries, associates and joint ventures | | 70,048 | 107,710 | 52,738 | 81,093 | | |
| Acquisition of investments in subsidiaries, associates and joint ventures | | (3,592) | (65,354) | (2,704) | (49,204) | | |
| Disposal of property, plant and equipment | | 20,506 | 52,599 | 15,439 | 39,601 | | |
| Acquisition of property, plant and equipment | | (10,147,089) | (11,093,859) | (7,639,540) | (8,352,344) | | |
| Disposal of intangible assets | | - | 6,496 | - | 4,891 | | |
| Acquisition of intangible assets | | (1,113,016) | (1,031,652) | (837,967) | (776,710) | | |
| Cash outflow from other investing activities | | (47,862) | (48,418) | (36,034) | (36,453) | | |
| Net cash used in investing activities | | (11,221,180) | (12,073,453) | (8,448,200) | (9,089,860) | | |

INTERIM SEPARATE STATEMENTS OF CASH FLOWS

(In millions of Korean won and in thousands of US dollars (Note 2.3))

| | | For the three-month periods ended March 31, | | | | | |
|---|-------|---|------------|-----------|-----------|--|--|
| | Notes | 2024 | 2023 | 2024 | 2023 | | |
| | | KRW | KRW | USD | USD | | |
| Financing activities | | | | | | | |
| Net increase in short-term borrowings | | 2,866,252 | 720,314 | 2,157,944 | 542,310 | | |
| Increase in debentures and long-term borrowings | | - | 10,000,000 | - | 7,528,800 | | |
| Repayment of debentures and long-term borrowings | | (52,838) | (39,266) | (39,781) | (29,563) | | |
| Dividends paid | | (261) | (243) | (197) | (183) | | |
| Net cash provided by financing activities | | 2,813,153 | 10,680,805 | 2,117,966 | 8,041,364 | | |
| Effect of foreign exchange rate changes | | 165 | 1,909 | 124 | 1,437 | | |
| Net increase in cash and cash equivalents | | 6,220,858 | 4,492,812 | 4,683,560 | 3,382,548 | | |
| Cash and cash equivalents, beginning of theperiod | | 6,061,451 | 3,921,593 | 4,563,545 | 2,952,489 | | |
| Cash and cash equivalents, end of the period | | 12,282,309 | 8,414,405 | 9,247,105 | 6,335,037 | | |

5. Notes to non-consolidated Financial Statements

1. General Information

Samsung Electronics Co., Ltd. (the "Company") was incorporated under the laws of the Republic of Korea in 1969 and listed its shares on the Korea Stock Exchange in 1975. The Company operates two business divisions: Device eXperience ("DX") and Device Solutions ("DS"). DX division comprises businesses for digital televisions, refrigerators, smartphones, and communication systems. DS division comprises businesses for semiconductor products such as memory, foundry and system Large Scale Integration (LSI). The Company is domiciled in the Republic of Korea and is located in Suwon, the Republic of Korea.

These financial statements have been prepared in accordance with Korean International Financial Reporting Standards ("Korean IFRS") 1027, Separate Financial Statements.

2. Material Accounting Policies

2.1 Basis of Presentation

The Company maintains its accounting records in Korean won and prepares statutory financial statements in the Korean language (Hangul) in accordance with International Financial Reporting Standards as adopted by the Republic of Korea ("Korean IFRS"). The accompanying interim separate financial statements have been condensed, restructured and translated into English from the Korean language financial statements.

The interim separate financial statements for the three-month period ended March 31, 2024 have been prepared in accordance with Korean IFRS 1034, *Interim Financial Reporting*. These interim separate financial statements have been prepared in accordance with the Korean IFRS which is effective as of March 31, 2024.

(A) New and amended standards adopted by the Company

The Company applied the following amended standards for the first time for the annual reporting period commencing January 1, 2024:

Amendments to Korean IFRS 1001, Presentation of Financial Statements

The amendments clarify that the classification of liabilities as current or non-current should be based on rights that are in existence at the end of the reporting period, and that the classification is unaffected by management's intentions or expectations about whether an entity will exercise its right to defer settlement of a liability. The amendments also introduce a definition of settlement to make clear that settlement includes the transfer to the counterparty of the entity's own equity instruments, however, it would be excluded if an option to settle the liability by the transfer of the entity's own equity instruments is recognized separately from the liability as an equity component of a compound financial instrument. The application of amendments does not have a significant impact on the Company's interim separate financial statements.

Amendments to Korean IFRS 1116, Leases

The amendments add requirements for the subsequent measurement of sale-and-leaseback transactions that are accounted for as sales in accordance with Korean IFRS 1115, *Revenue from Contracts with Customers*. The amendments require the seller-lessee to calculate the 'lease payments' or 'revised lease payments' in a way that does not result in the seller-lessee recognizing any gain or loss for the rights of use that the seller-lessee continues to retain after the lease commences. The application of amendments does not have a significant impact on the Company's interim separate financial statements.

Amendments to Korean IFRS 1007, Statement of Cash Flows, and 1107, Financial Instruments: Presentation

The amendments add to the disclosure objectives in Korean IFRS 1007, *Statement of Cash Flows*, that information about supplier financing arrangements should be disclosed to enable users of financial statements to assess the impact of those arrangements on the Company's liabilities and cash flows. The amendments also amend Korean IFRS 1107, *Financial Instruments: Presentation*, to add supplier financing arrangements as an example of a requirement to disclose information about an entity's exposure to concentrations of liquidity risk. The application of amendments does not have a significant impact on the Company's interim separate financial statements.

(B) New and amended standards not yet adopted by the Company

The amended accounting standard issued that is not yet effective for the annual reporting period commencing January 1, 2024 and has not been early adopted by the Company is as follows:

Amendments to Korean IFRS 1021, The Effects of Changes in Foreign Exchange Rates

The amendments require exchangeability of two currencies should be assessed in order to clarify reporting of foreign currency transactions in the absence of normal-functioning foreign exchange market. The amendments also require applicable spot exchange rate should be determined when the assessment indicates two currencies lack exchangeability. The amendments are effective for annual reporting periods beginning on or after January 1, 2025, with early application permitted.

2.2 Accounting Policies

Material accounting policies and method of computation used in the preparation of the interim separate financial statements are consistent with those of the annual separate financial statements for the year ended December 31, 2023, except for the changes due to the application of amendments of standards described in Note 2.1 and as described below.

Income tax expense for the interim period is recognized based on management's best estimate of the weighted average annual income tax rate expected for the full financial year considering global minimum top-up tax. The estimated average annual effective income tax rate is applied to the pre-tax income of the interim period.

2.3 Convenience Translation into United States Dollar Amounts

The US dollar amounts provided in the financial statements represent supplementary information solely for the convenience of the reader. All Korean won amounts are expressed in US dollars at the rate of \mathbb{W} 1,328.2 to \$1, the average exchange rate for the three-month period ended March 31, 2024. Such presentation is not in accordance with generally accepted accounting principles, and should not be construed as a representation that the Korean won amounts shown could be readily converted, realized or settled in US dollars at this or at any other rate.

2.4 Material Accounting Estimates and Assumptions

In preparing the interim separate financial statements, the management of the Company makes judgements, estimates and assumptions on matters which affect the application of policies and reported amounts of assets, liabilities, income and expenses. Estimates and assumptions are continually evaluated and are based on historical experience and other factors, including expectations of future events that are believed to be reasonable under the circumstances. The resulting accounting estimates, by definition, seldom equal the related actual results.

Material accounting estimates and assumptions made in the preparation of the interim separate financial statements are consistent with those applied in the preparation of the annual separate financial statements for the year ended December 31, 2023, except for the estimates used to determine the income tax expense.

3. Financial Instruments by Category

Categorizations of financial assets and liabilities as of March 31, 2024 and December 31, 2023 are as follows:

(1) As of March 31, 2024

| (In millions of Korean won) | Financial assets measured at amortized cost | Financial assets measured at fair value through other comprehensive income | Financial assets measured at fair value through profit or loss | Total |
|--|---|---|--|------------|
| Financial assets | | | | |
| Cash and cash equivalents | 12,282,309 | - | - | 12,282,309 |
| Short-term financial instruments | 50,247 | - | - | 50,247 |
| Trade receivables | 32,832,663 | - | - | 32,832,663 |
| Financial assets at fair value through other comprehensive income Financial assets at fair value through profit or loss | - | 2,049,692 | | 2,049,692 |
| Other | 5,401,137 | - | 422,676 | 5,823,813 |
| Total | 50,566,356 | 2,049,692 | 422,676 | 53,038,724 |

| (In millions of Korean won) | Financial liabilities measured at amortized cost | Other financial liabilities ^(*) | Total |
|--|---|---|------------|
| Financial liabilities | | | |
| Trade payables | 12,457,726 | - | 12,457,726 |
| Short-term borrowings | - | 8,555,367 | 8,555,367 |
| Other payables | 14,467,296 | - | 14,467,296 |
| Current portion of long-term liabilities | 6,646 | 235,581 | 242,227 |
| Debentures | 19,943 | - | 19,943 |
| Long-term borrowings | 21,990,000 | 911,308 | 22,901,308 |
| Long-term other payables | 4,220,795 | - | 4,220,795 |
| Other | 4,399,551 | - | 4,399,551 |
| Total | 57,561,957 | 9,702,256 | 67,264,213 |

(*) Other financial liabilities include lease liabilities which are not subject to categorizations and collateralized borrowing.

(2) As of December 31, 2023

| (In millions of Korean won) | Financial assets measured at amortized cost | Financial assets measured at fair value through other comprehensive income | Financial assets measured at fair value through profit or loss | Total |
|--|---|---|--|----------------|
| Financial assets | | | | |
| Cash and cash equivalents | 6,061,451 | - | - | 6,061,451 |
| Short-term financial instruments | 50,071 | - | - | 50,071 |
| Trade receivables | 27,363,016 | - | - | 27,363,016 |
| Financial assets at fair value through other comprehensive income Financial assets at fair value through profit or loss | - | 1,854,503 | - 1 | 1,854,503 1 |
| Other | 4,972,284 | - | 393,235 | 5,365,519 |
| Total | 38,446,822 | 1,854,503 | 393,236 | 40,694,561 |
| (In millions of Korean won) | | ncial liabilities red at amortized cost Other | financial liabilities ^(*) | Total |

| (In millions of Korean won) | cost | Other financial liabilities ^(*) | Total |
|--|------------|--|------------|
| Financial liabilities | | | |
| Trade payables | 7,943,834 | - | 7,943,834 |
| Short-term borrowings | - | 5,625,163 | 5,625,163 |
| Other payables | 15,015,578 | - | 15,015,578 |
| Current portion of long-term liabilities | 6,354 | 222,137 | 228,491 |
| Debentures | 19,064 | - | 19,064 |
| Long-term borrowings | 21,990,000 | 912,035 | 22,902,035 |
| Long-term other payables | 4,486,390 | - | 4,486,390 |
| Other | 3,652,969 | - | 3,652,969 |
| Total | 53,114,189 | 6,759,335 | 59,873,524 |

(*) Other financial liabilities include lease liabilities which are not subject to categorizations and collateralized borrowing.

4. Financial Assets at Fair Value

- (C) Details of financial assets at fair value as of March 31, 2024 and December 31, 2023 are as follows:
 - (1) Financial assets at fair value through other comprehensive income

| (In millions of Korean won) | March 31, 2024 | December 31, 2023 | |
|--|------------------|-------------------|----|
| Equity instruments | 2,049,692 | 1,854,5 | 03 |
| (2) Financial assets at fair value through | n profit or loss | | |
| (In millions of Korean won) | March 31, 2024 | December 31, 2023 | |
| Debt instruments | <u>-</u> | | 1 |

(D) Details of listed equity securities of financial assets at fair value as of March 31, 2024 and December 31, 2023 are as follows:

| | March 31, 2024 | | | December 31, 2023 | |
|---|---------------------------|--|------------------|-----------------------------------|-----------------------------------|
| (In millions of Korean won, number of shares and percentage) | Number of shares owned | Percentage of ownership ^(*) (%) | Acquisition cost | Carrying amount (Market Value) | Carrying amount (Market Value) |
| | | | | | |
| Samsung Heavy Industries Co., Ltd. | 134,027,281 | 15.2 | 932,158 | 1,147,274 | 1,038,712 |
| Hotel Shilla Co., Ltd. | 2,004,717 | 5.1 | 13,957 | 120,283 | 131,108 |
| iMarket Korea Inc. | 647,320 | 1.9 | 324 | 5,502 | 5,560 |
| KT Skylife Co., Ltd. | 240,000 | 0.5 | 3,344 | 1,349 | 1,421 |
| Yongpyong Resort Corporation | 400,000 | 0.8 | 1,869 | 1,166 | 1,220 |
| A-Tech Solution Co., Ltd. | 1,592,000 | 15.9 | 26,348 | 16,716 | 17,241 |
| Wonik Holdings Co., Ltd. | 1,759,171 | 2.3 | 15,410 | 7,248 | 5,928 |
| Wonik IPS Co., Ltd. | 1,850,936 | 3.8 | 16,214 | 76,814 | 62,839 |
| Dongjin Semichem Co., Ltd. | 2,467,894 | 4.8 | 48,277 | 119,076 | 95,508 |
| Soulbrain Co., Ltd. | 437,339 | 5.6 | 40,382 | 136,668 | 132,952 |
| S&S Tech Corporation | 1,716,116 | 8.0 | 65,933 | 78,341 | 77,740 |
| YC Corporation | 9,601,617 | 11.7 | 47,336 | 70,476 | 47,864 |
| KCtech Co., Ltd. | 1,022,216 | 4.9 | 20,720 | 46,357 | 27,395 |
| LOTVacuum Co., Ltd. | 1,267,668 | 7.1 | 18,990 | 29,283 | 25,544 |
| New power Co., Ltd. | 2,140,939 | 4.9 | 12,739 | 10,705 | 11,240 |
| Fine Semitech Corporation | 1,522,975 | 7.0 | 43,009 | 34,495 | 37,541 |
| DNF Co., Ltd. | 810,030 | 7.0 | 20,964 | 19,076 | 19,400 |
| Marvell Technology Inc. | 173,187 | 0.0 | 11,705 | 16,533 | 13,468 |
| SoundHound AI Inc. | 1,702,957 | 0.6 | 13,719 | 13,509 | 4,655 |
| Total | | | 1,353,398 | 1,950,871 | 1,757,336 |

 $^{(*)}$ Ownership represents the Company's ownership of the total ordinary shares issued by each entity.

5. Inventories

| | March 31, 2024 | | December 31, 2023 | | | |
|--------------------------------|-----------------|------------------------|--------------------|-----------------|------------------------|-----------------|
| (In millions of Korean won) | Gross amount | Valuation allowance | Carrying amount | Gross amount | Valuation allowance | Carrying amount |
| Finished goods | 7,523,393 | (781,497) | 6,741,896 | 7,914,117 | (1,203,662) | 6,710,455 |
| Work in process | 21,147,969 | (2,121,725) | 19,026,244 | 21,866,523 | (3,863,881) | 18,002,642 |
| Raw materials and supplies | 5,608,077 | (1,110,863) | 4,497,214 | 4,910,170 | (861,821) | 4,048,349 |
| Materials in transit | 583,954 | - | 583,954 | 576,705 | - | 576,705 |
| Total | 34,863,393 | (4,014,085) | 30,849,308 | 35,267,515 | (5,929,364) | 29,338,151 |

Inventories as of March 31, 2024 and December 31, 2023 are as follows:

6. Investments in Subsidiaries, Associates and Joint Ventures

(H) Changes in investments in subsidiaries, associates and joint ventures for the three-month periods ended March 31, 2024 and 2023 are as follows:

| (In millions of Korean won) | 2024 | 2023 | |
|-----------------------------|------------|------------|--|
| | | | |
| Balance as of January 1 | 57,392,438 | 57,397,249 | |
| Acquisition | 3,592 | 65,354 | |
| Disposal | (115,776) | (107,735) | |
| Balance as of March 31 | 57,280,254 | 57,354,868 | |

(I) Major investments in associates as of March 31, 2024 are as follows (refer to Note 27 for the list of subsidiaries):

| Investee | Nature of relationship | Percentage of ownership (%) ^{*1)} | Principal business location | Fiscal period-end |
|---|--|---|-----------------------------------|----------------------|
| Samsung Electro- Mechanics Co., Ltd. | Manufacture and supply electronic components including passive components, circuit boards, and modules | 23.7 | Korea | December |
| Samsung SDS Co., Ltd. | Provide Information Technology(IT) services including computer programming, system integration and management, and logistical services | 22.6 | Korea | December |
| Samsung Biologics Co., Ltd. | Investment in new business | 31.2 | Korea | December |
| Samsung SDI Co., Ltd. (*2) | Manufacture and supply electronic parts including secondary cell batteries | 19.6 | Korea | December |
| Cheil Worldwide, Inc. | Advertising agency | 25.2 | Korea | December |

(*1) Ownership represents the Company's ownership of the total ordinary shares issued by each entity.

 $^{(\ast 2)}$ The Company's ownership of ordinary shares outstanding is 20.6%.

(J) Fair value of marketable investments in associates as of March 31, 2024 and December 31, 2023 as follows:

| | March 31, 2024 | | | December 31, 2023 | | |
|---|--------------------------|--------------|-----------------|-------------------|-----------------|--|
| (In millions of Korean won and number of shares) | Number of shares held | Market value | Carrying amount | Market value | Carrying amount | |
| Samsung Electro-Mechanics Co., Ltd. | 17,693,084 | 2,630,962 | 445,244 | 2,710,580 | 445,244 | |
| Samsung SDS Co., Ltd. | 17,472,110 | 2,856,690 | 560,827 | 2,970,259 | 560,827 | |
| Samsung Biologics., Co., Ltd. | 22,217,309 | 18,462,584 | 1,595,892 | 16,885,155 | 1,595,892 | |
| Samsung SDI., Co., Ltd. | 13,462,673 | 6,340,919 | 1,242,605 | 6,354,382 | 1,242,605 | |
| Cheil Worldwide Inc | 29,038,075 | 545,335 | 491,599 | 552,595 | 491,599 | |

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7. Property, Plant and Equipment

(A) Changes in property, plant and equipment for the three-month periods ended March 31, 2024 and 2023 are as follows:

| (In millions of Korean won) | 2024 | 2023 | |
|--------------------------------------|-------------|-------------|--|
| | | | |
| Balance as of January 1 | 140,579,161 | 123,266,986 | |
| Acquisition and capital expenditures | 8,292,612 | 9,399,398 | |
| Depreciation | (6,907,882) | (6,278,126) | |
| Disposals/scrap/impairment | (32,588) | (31,758) | |
| Other | (1,522) | (923) | |
| Balance as of March 31 | 141,929,781 | 126,355,577 | |

(B) Details of depreciation of property, plant and equipment for the three-month periods ended March 31, 2024 and 2023 are as follows:

| (In millions of Korean won) | 2024 | 2023 |
|---|-----------|-----------|
| Cost of sales | 6,349,137 | 5,803,397 |
| Selling and administrative expenses and other | 558,745 | 474,729 |
| Total | 6,907,882 | 6,278,126 |

(C) Right-of-use assets as of March 31, 2024 amount to W 1,843,156 million (December 31, 2023: W 1,840,913 million). During the three-month periods ended March 31, 2024 and 2023, newly recognized right-of-use assets amount to W 74,283 million and W 204,006 million, respectively, with relevant depreciation of W 71,861 million and W 50,880 million, respectively.

8. Intangible Assets

(A) Changes in intangible assets for the three-month periods ended March 31, 2024 and 2023 are as follows:

| (In millions of Korean won) | 2024 | 2023 |
|-----------------------------|------------|------------|
| | | |
| Balance as of January 1 | 10,440,211 | 8,561,424 |
| External acquisitions | 816,682 | 3,410,160 |
| Amortization | (586,939) | (657,121) |
| Disposals/scrap/impairment | (8,745) | (15,006) |
| Other | 10,178 | 19,122 |
| Balance as of March 31 | 10,671,387 | 11,318,579 |

(B) Details of amortization of intangible assets for the three-month periods ended March 31, 2024 and 2023 are as follows:

| (In millions of Korean won) | 2024 | 2023 |
|---|---------|---------|
| | | |
| Cost of sales | 440,433 | 506,898 |
| Selling and administrative expenses and other | 146,506 | 150,223 |
| Total | 586,939 | 657,121 |

9. Borrowings

Details of the carrying amounts of borrowings as of March 31, 2024 and December 31, 2023 are as follows:

| (In millions of Korean won) | Financial institutions | Maturity Date | Interest rate (%) as of Mar 31, 2024 | March 31, 2024 | December 31, 2023 |
|--|------------------------------|------------------|---|----------------|-------------------|
| Short-term borrowings | | | | | |
| Collateralized borrowings(*1) | Woori Bank and other | | 0.0~13.2 | 8,555,367 | 5,625,163 |
| Total | | | | 8,555,367 | 5,625,163 |
| Current portion of long-term borrowings | | | | | |
| Lease liabilities ^(*2) | - | | 2.8 | 235,581 | 222,137 |
| Total | | | | 235,581 | 222,137 |
| Long-term borrowings | | | | | |
| Lease liabilities ^(*2) | - | | 2.8 | 911,308 | 912,035 |
| Non-collateralized borrowings | Samsung Display Co., Ltd. | Aug 16, 2025 | 4.6 | 21,990,000 | 21,990,000 |
| Total | | | | 22,901,308 | 22,902,035 |

(*1) Collateralized borrowings are secured by trade receivables.

(*2) Interest expenses arising from the lease liabilities for the three-month periods ended March 31, 2024 and 2023 amount to

₩ 7,953 million and ₩ 5,227 million, respectively, which are determined using the weighted average incremental borrowing rate.

10. Debentures

Details of the carrying amounts of debentures as of March 31, 2024 and December 31, 2023 are as follows:

| | | | Interest rate (%) | | |
|-------------------------------|-------------|-------------|--------------------|------------------|-------------------|
| (In millions of Korean won) | Issue date | Due date | as of Mar 31, 2024 | March 31, 2024 | December 31, 2023 |
| US dollar denominated | Oct 2, 1997 | Oct 1, 2027 | 7.7 | 26,936 | 25,788 |
| straight bonds ^(*) | 0002,1997 | 0001,2027 | ,., | (USD 20 million) | (USD 20 million) |
| Less: Discounts | | | | (347) | (370) |
| Less: Current portion | | | | (6,646) | (6,354) |
| Total | | | | 19,943 | 19,064 |

^(*) US dollar denominated straight bonds are repaid annually for twenty years after a ten-year grace period from the date of issuance. Interest is paid semi-annually in arrears.

11. Net Defined Benefit Liabilities (Assets)

(D) Details of net defined benefit liabilities (assets) recognized in the statements of financial position as of March 31, 2024 a nd December 31, 2023 are as follows:

| (In millions of Korean won) | March 31, 2024 | December 31, 2023 |
|---|----------------|-------------------|
| Present value of funded defined benefit obligations | 12,165,657 | 11,959,655 |
| Present value of unfunded defined benefit obligations | 23,062 | 22,672 |
| Subtotal | 12,188,719 | 11,982,327 |
| Fair value of plan assets | (15,637,707) | (15,728,024) |
| Total | (3,448,988) | (3,745,697) |

(E) The components of defined benefit costs recognized in profit or loss for the three-month periods ended March 31, 2024 and 2023 are as follows:

| (In millions of Korean won) | 2024 | 2023 |
|-----------------------------|----------|----------|
| | | |
| Current service cost | 263,395 | 240,592 |
| Net interest income | (53,911) | (68,812) |
| Total | 209,484 | 171,780 |

(F) The expenses related to defined benefit plans recognized in the statements of profit or loss for the three-month periods ended March 31, 2024 and 2023 are as follows:

| (In millions of Korean won) | 2024 | 2023 |
|---|---------|---------|
| | | |
| Cost of sales | 82,912 | 69,079 |
| Selling and administrative expenses and other | 126,572 | 102,701 |
| Total | 209,484 | 171,780 |

12. Provisions

Changes in the provisions for the three-month period ended March 31, 2024 are as follows:

| (In millions of Korean won) | Warranty (A) | Royalty expenses (B) | Long-term incentives (C) | Other (D, E) | Total |
|-----------------------------|--------------|-------------------------|-----------------------------|--------------|-----------|
| Balance as of January 1 | 673,951 | 1,815,938 | 713,719 | 3,750,227 | 6,953,835 |
| Charged to profit or loss | 248,486 | 406,635 | 50,711 | 1,402,929 | 2,108,761 |
| Payment | (171,412) | (317,888) | - | (313,582) | (802,882) |
| Other | - | 5,671 | - | 29,047 | 34,718 |
| Balance as of March 31 | 751,025 | 1,910,356 | 764,430 | 4,868,621 | 8,294,432 |

(F) The Company accrues warranty provisions for estimated costs of quality assurance, exchanges, repairs, recalls, and futu re services based on historical experience and terms of warranty programs.

(G) The Company recognizes provisions for the estimated royalty expenses that are under negotiation with counterparties. The timing and amount of payment depend on the settlement of the negotiations.

(H) The Company has a long-term incentive plan for its executives based on a three-year management performance criteria and recognizes a provision for the estimated incentive cost.

- (I) The Company records provisions for future expenses expected to be incurred for products that have been discontinued from manufacturing and sales.
- (J) The Company makes provisions for the emission in excess of the emission rights held by the Company for the applicable years. Details of emission rights and liabilities as of March 31, 2024 are as follows:
 - (1) The amount of emission rights allocated free of charge in the current commitment period and the estimated amount of emission as of March 31, 2024 are as follows:

| (In ten thousand metric tons) | March 31, 2024 |
|--|----------------|
| Emission rights allocated free of charge | 1,176 |
| Estimated volume of emission | 1,329 |

(2) Changes in the emission rights for the three-month periods ended March 31, 2024 and 2023 are as follows:

| 2024 | 2023 |
|-------|--------|
| 3,137 | 19,567 |
| - | - |
| - | - |
| 3,137 | 19,567 |
| | 3,137 |

(3) Changes in the emission liabilities for the three-month periods ended March 31, 2024 and 2023 are as follows:

| (In millions of Korean won) | 2024 | 2023 |
|-----------------------------|------|--------|
| Balance as of January 1 | , | 32,825 |
| Charged to profit or loss | - | - |

Balance as of March 31

13. Commitments and Contingencies

(A) Guarantees

(1) Debt guarantees provided by the Company for overseas subsidiaries as of March 31, 2024 are as follows:

| (In millions of F | Korean won and | thousands of | US dollars) |
|-------------------|----------------|--------------|-------------|
|-------------------|----------------|--------------|-------------|

| Debtor | Creditor | Date of maturity | Amount of indebtedness | Guaranteed amount |
|--------|---------------------|-------------------|---------------------------|-------------------|
| SETK | BNP and others | December 16, 2024 | 518,378 | 1,235,016 |
| SSA | SCB and others | December 16, 2024 | 48,498 | 428,282 |
| SEDA | BRADESCO and others | December 16, 2024 | 279 | 443,097 |
| Other | Others | | , – | 8,817,861 |
| | | | 567,155 | 10,924,256 |
| Total | | | USD 421,112 | USD 8,111,268 |

(2) The ceiling amount of guarantees provided by the Company for the execution of contracts by overseas subsidiaries is ¥ 494,119 million as of March 31, 2024.

- (3) The Company has not been provided any collateral or guarantees from its related parties as of March 31, 2024.
- (B) Litigation
 - As of March 31, 2024, the Company is involved in various claims, disputes, and investigations conducted by regulatory bodies that arose during the normal course of business with numerous entities. Although the outflow of resources and timing of these matters are uncertain, the Company believes the outcome will not have a material impact on the financial position of the Company.
- (C) Joint liabilities related to the divestiture
 - The Company, Samsung Display Co., Ltd. and others are jointly and severally liable to fulfill the debts of Samsung Display Co., Ltd. and others which relate to the periods prior to Samsung Display Co., Ltd.'s separation from the Company.
- (D) Other commitments
 - As of March 31, 2024, contractual commitments for the acquisition of property, plant and equipment and intangible assets amount to W 11,990,151 million.

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14. Contract Liabilities

The Company has recognized contract related to contracts with customers as follows:

| (In millions of Korean won) | March 31, 2024 | December 31, 2023 |
|-------------------------------------|----------------|-------------------|
| | | |
| Contract liabilities ^(*) | 1,530,629 | 1,491,085 |

(*) Contract liabilities include advances received, accrued expenses, other current liabilities and others.

15. Share Capital

As of March 31, 2024, the Company's total number of authorized shares is 25,000,000,000 shares (Ψ 100 per share). As well as its ordinary shares, Company also has non-cumulative preference shares that are eligible for an additional 1% cash dividend over par value per annum compared to ordinary shares, but without voting rights. The Company has issued 5,969,782,550 shares of ordinary shares and 822,886,700 shares of preference shares as of March 31, 2024, excluding the number of retired shares. As of the March 31, 2024, the number of shares outstanding is the same as the number of shares issued above, and no changes were made to the number of shares outstanding during the three month period ended March 31, 2024 and the year ended December 31, 2023. Due to the retirement of shares, the total par value of the shares issued which excludes the number of retired shares is Ψ 679,267 million (ordinary shares of Ψ 596,978 million and preference shares of Ψ 82,289 million), which does not agree with paid-in capital of Ψ 897,514 million.

16. Retained Earnings

(B) Retained earnings as of March 31, 2024 and December 31, 2023 consist of the following:

| (In millions of Korean won) | March 31, 2024 | December 31, 2023 |
|------------------------------|----------------|-------------------|
| Legal reserves | 450,789 | 450,789 |
| Discretionary reserves, etc. | 226,797,022 | 219,512,562 |
| Total | 227,247,811 | 219,963,351 |

(B) Details of interim dividends are as follows (Record date: March 31, 2024 and 2023)

| In millions of Korean | won and number of shares) | | 2024 | 2023 |
|-------------------------|---|---------------------|---------------|---------------|
| | Number of dense allocate for dividenda | Ordinary shares | 5,969,782,550 | 5,969,782,550 |
| | Number of shares eligible for dividends | Preference shares | 822,886,700 | 822,886,700 |
| 1st O | Dividend rate (based on par value) | Ordinary/Preference | 361% | 361% |
| 1 st Quarter | | Ordinary shares | 2,155,092 | 2,155,092 |
| | Dividend amount | Preference shares | 297,062 | 297,062 |
| | | Total | 2,452,154 | 2,452,154 |

17. Other Components of Equity

Other components of equity as of March 31, 2024 and December 31, 2023 consist of the following:

| (In millions of Korean won) | March 31, 2024 | December 31, 2023 |
|---|----------------|-------------------|
| Gain on valuation of financial assets at fair value through other comprehensive income | 389,814 | 246,155 |
| Remeasurement of net defined benefit assets | (2,559,987) | (2,483,547) |
| Others | 1,760,408 | 1,760,408 |
| Total | (409,765) | (476,984) |

18. Expenses by Nature

Expenses by nature for the three-month periods ended March 31, 2024 and 2023 consist of the following:

| (In millions of Korean won) | 2024 | 2023 |
|---|-------------|---------------------------|
| Changes in finished goods, work in process, and other | (1,055,043) | (2,526,602) |
| Raw materials used, merchandise purchased, and other | (1,055,045) | (2,536,693) 25,714,241 |
| Wages and salaries | 3,871,247 | 4,082,252 |
| Post-employment benefit | 210,609 | 173,669 |
| Depreciation | 6,907,882 | 6,278,126 |
| Amortization | 586,939 | 657,121 |
| Welfare | 879,011 | 764,552 |
| Utilities | 1,391,476 | 1,228,172 |
| Outsourcing | 951,212 | 931,459 |
| Advertising | 370,551 | 273,022 |
| Sales promotion | 310,302 | 292,124 |
| Other | 10,302,786 | 8,219,395 |
| Total ^(*) | 49,232,237 | 46,077,440 |

(*) Equal to the sum of cost of sales and selling and administrative expenses in the interim separate statement of profit or loss.

19. Selling and Administrative Expenses

Selling and administrative expenses for the three-month periods ended March 31, 2024 and 2023 are as follows:

| (In millions of Korean won) | 2024 | 2023 |
|-------------------------------------|------------|-----------|
| Selling and administrative expenses | | |
| Wages and salaries | 755,594 | 736,282 |
| Post-employment benefit | 36,937 | 30,975 |
| Commissions | 720,785 | 901,887 |
| Depreciation | 118,581 | 112,775 |
| Amortization | 98,233 | 95,712 |
| Advertising | 370,551 | 273,022 |
| Sales promotion | 310,302 | 292,124 |
| Transportation | 227,061 | 135,831 |
| Service | 587,770 | 273,760 |
| Other | 509,078 | 496,322 |
| Subtotal | 3,734,892 | 3,348,690 |
| Research and development expenses | | |
| Research and development | 6,724,495 | 5,615,261 |
| Total | 10,459,387 | 8,963,951 |

20. Other Non-Operating Income and Expenses

Details of other non-operating income and expenses for the three-month periods ended March 31, 2024 and 2023 are as follows:

| (In millions of Korean won) | 2024 | 2023 |
|---|-----------|-----------|
| Other non-operating income | | |
| Dividend income | 8,149,657 | 8,439,845 |
| Rental income | 46,522 | 45,897 |
| Gain on disposal of property, plant and equipment | 9,628 | 31,902 |
| Other | 43,311 | 52,340 |
| Total | 8,249,118 | 8,569,984 |
| | | |
| (In millions of Korean won) | 2024 | 2023 |
| Other non-operating expenses | | |
| Loss on disposal of property, plant and equipment | 21,264 | 3,166 |
| Donations | 64,584 | 57,347 |
| Other | 185,239 | 31,727 |
| Total | 271,087 | 92,240 |

21. Financial Income and Expenses

Details of financial income and expenses for the three-month periods ended March 31, 2024 and 2023 are as follows:

| (In millions of Korean won) | 2024 | 2023 |
|---|-------------------|-------------------------------|
| Financial income | | |
| Interest income | 60,491 | 61,775 |
| Financial assets measured at amortized cost | 60,491 | 61,775 |
| Foreign exchange differences | 1,350,333 | 1,855,830 |
| Gain from derivatives | 29,441 | 235,753 |
| Total | 1,440,265 | 2,153,358 |
| (In millions of Korean won) | 2024 | 2023 |
| Financial expenses | | |
| Interest expenses | 200,943 | 161,503 |
| | | |
| Financial liabilities measured at amortized cost | 72,674 | 78,712 |
| Financial liabilities measured at amortized cost Other financial liabilities | 72,674 128,269 | |
| | | 78,712 82,791 2,158,645 |

The Company recognizes foreign exchange gains and losses arising from foreign currency transactions and translation as financial income and expenses.

22. Income Tax Expense

Income tax expense is recognized based on management's best estimate of the weighted average annual income tax rate expected for the full financial year considering global minimum top-up tax. The average annual tax rate expected as of March 31, 2024 to be effective for the year ended December 31, 2024 is 2.5%.

23. Earnings per Share

(C) Basic earnings per share

Basic earnings per share for the three-month periods ended March 31, 2024 and 2023 are calculated as follows:

(1) Ordinary shares

| (In millions of Korean won and thousands of number of shares) | 2024 | 2023 |
|---|-----------|-----------|
| Profit for the period | 9,737,437 | 4,158,095 |
| Profit for the period available for ordinary shares | 8,557,811 | 3,654,369 |
| Weighted-average number of ordinary shares outstanding | 5,969,783 | 5,969,783 |
| Basic earnings per ordinary share (in Korean won) | 1,434 | 612 |

| (In millions of Korean won and thousands of number of shares) | 2024 | 2023 |
|---|-----------|-----------|
| | | |
| Profit for the period | 9,737,437 | 4,158,095 |
| Profit for the period available for preference shares | 1,179,626 | 503,726 |
| Weighted-average number of preference shares outstanding | 822,887 | 822,887 |
| Basic earnings per preference share (in Korean won) | 1,434 | 612 |

(D) Diluted earnings per share

The Company does not have dilutive potential ordinary shares and as a result, basic earnings per share and diluted earnings per share are the same for the three-month periods ended March 31, 2024 and 2023.

24. Statements of Cash Flows

- (A) The Company used the indirect method to present cash flows from operating activities. Adjustments and changes in assets and liabilities arising from operating activities for the three-month periods ended March 31, 2024 and 2023 are as follows:
 - Adjustments

| (In millions of Korean won) | 2024 | 2023 |
|---|-------------|-------------|
| | | |
| Adjustments : | | |
| Income tax expense | 247,860 | 244,098 |
| Financial income | (467,923) | (666,230) |
| Financial expenses | 878,506 | 1,131,568 |
| Post-employment benefits | 210,609 | 173,669 |
| Depreciation | 6,907,882 | 6,278,126 |
| Amortization | 586,939 | 657,121 |
| Bad debt expense | 6,975 | 10,512 |
| Dividend income | (8,149,657) | (8,439,845) |
| Gain on disposal of property, plant and equipment | (9,628) | (31,902) |
| Loss on disposal of property, plant and equipment | 21,264 | 3,166 |
| Loss on valuation of inventories and others | (1,754,124) | 2,051,227 |
| Others | 54,437 | 8,658 |
| Total | (1,466,860) | 1,420,168 |

- Changes in assets and liabilities arising from operating activities

| (In millions of Korean won) | 2024 | 2023 |
|--|-------------|-------------|
| | | |
| Changes in assets and liabilities : | | |
| Increase in trade receivables | (5,181,386) | (2,255,442) |
| Decrease in non-trade receivables | 223,291 | 866,298 |
| Decrease (increase) in prepaid expenses | 37,269 | (286,879) |
| Decrease (increase) in inventories | 247,137 | (4,492,698) |
| Increase in trade payables | 4,386,544 | 3,306,093 |
| Decrease in other payables | (1,227,176) | (2,759,686) |
| Increase (decrease) in advances received | (55,057) | 13,282 |
| Increase (decrease) in withholdings | 25,813 | (138,933) |
| Decrease in accrued expenses | (278,614) | (2,751,744) |
| Increase in provisions | 1,305,879 | 1,249,224 |
| Payment of post-employment benefits | (220,017) | (99,540) |
| Others | (703,067) | 176,498 |
| Total | (1,439,384) | (7,173,527) |

(B) For the three-month periods ended March 31, 2024 and 2023, cash outflows from principal portion of lease liabilities (financial activities) were W 52,838 million and W 39,266 million, respectively, and cash outflows due to interest expenses (operating activities) in relation to the lease liabilities amount to W 7,953 million and W 5,227 million, respectively.

25. Financial Risk Management

The Company manages its financial risks with a focus on minimizing the market risk, the credit risk, and the liquidity risk arising from its operating activities. To this end, the Company closely monitors and responds to each risk factor.

The Company establishes global financial management standards, periodically measures customer and counterparty financial risk, and manages the risk with currency hedges and review of cash flows.

The Company also manages foreign exchange risk by monitoring foreign exchange rate fluctuations through local financial centers in the major regions (United States, United Kingdom, Singapore, China, Brazil, and Russia), which act as an agent for the subsidiaries in each region to manage foreign exchange transactions. In addition, local finance centers in the major regions respond to liquidity risk through a regionally integrated financial structure.

The Company's financial assets subject to financial risk management consist of cash and cash equivalents, short-term financial instruments, financial assets at amortized cost, trade receivables and others, while its financial liabilities consist of trade payables, borrowings, and others.

- (F) Market risk
 - (4) Foreign exchange risk

The Company is exposed to foreign exchange risk arising from its global operations through transactions in currencies other than its functional currency. The main currencies in which the Company is exposed to foreign exchange risk are the US dollar and European Euro.

The Company focuses on minimizing the impact of foreign exchange fluctuation by matching levels of assets and liabilities denominated in each foreign currency. To minimize exchange position, the Company's foreign exchange management policy requires normal business transactions, including import and export, as well as financing transactions, such as depositing and borrowing, to be in local currency or match as closely as possible cash inflows and outflows incurred in the respective foreign currencies. This reduces but may not eliminate, the foreign exchange risk to which the Company is exposed. Moreover, the Company periodically evaluates and monitors the foreign exchange risk to efficiently mitigate such risk, and the speculative foreign exchange transactions are strictly prohibited.

(5) Interest rate risk

Interest rate risk for floating interest rate financial instruments can be defined as the risk of changes in the fair value of components of the statement of financial position due to changes in the market interest rates, and the risk of changes in the future cash flows of interest income and expenses arising from investing and financing activities. The Company's exposure to interest rate risk arises primarily from interest-bearing deposits and floating interest rate debt obligations, and the Company manages its exposure to interest rate risk to minimize uncertainty and cost of financing resulting from changes in interest rates.

(6) Price risk

The Company's investment portfolio consists of direct and indirect investments in equity instruments classified as financial assets at fair value through other comprehensive income, which is in line with the Company's strategy.

As of March 31, 2024 and 2023, price fluctuation of marketable equity securities (listed stocks) by 1% would result in changes in other comprehensive income (before income tax) of \mathbb{W} 19,509 million and \mathbb{W} 13,678 million, respectively.

(G) Credit risk

Credit risk arises during the normal course of transactions and investing activities where customers or other parties fail to discharge an obligation. The Company monitors and sets the customer's and counterparty's credit limit on a periodic basis based on their financial conditions, default history and other factors. Adequate insurance coverage is maintained for trade receivables related to trading partners situated in high risk countries.

Credit risk also can arise from transactions with financial institutions including transactions in financial instrument such as cash and cash equivalents, deposits, and derivative instruments. To minimize such risk, the Company transacts only with banks that have a strong international credit rating (S&P A and above), and new transactions with financial institutions which the Company does not have an existing relationship are subject to the completion of risk assessments prior to commencement of transactions. The Company generally enters into financial agreements without restrictions, such as debt ratio covenants, provision of collateral and/or repayment of loans/borrowings, and otherwise separate approvals are obtained.

The carrying amount of the Company's financial assets is net of impairment losses and the Company's maximum exposure to credit risk is equal to the carrying amount of its financial assets.

(H) Liquidity risk

Liquidity risk is the risk that a company will have difficulty in meeting all its financial obligations. The Company's main sources of liquidity are cash generated from operations and funds raised from the capital markets and financial institutions, while its main liquidity needs are for investments in production, research and development, working capital and dividends. Due to the nature of the Company's business, which involves large investments, maintaining adequate levels of liquidity is critical. The Company maintains and manages adequate liquidity through forecasting periodic cash flows, estimating required cash levels, and monitoring inflows and outflows of cash.

The Company has established Cash Pooling by region to respond effectively to liquidity risks, even when individual companies within a region are underfunded. Cash Pooling is a system that shares funds between underfunded and overfunded companies, minimizing the liquidity risk of individual companies, easing the burden of fund management, and reducing financial costs.

In addition, the Company has secured credit lines for its overseas subsidiaries by means of payment guarantees from the head office in the event of large liquidity needs, and, at the end of the period, the Company had investment grade ratings of Aa2 from Moody's and AA- from S&P, enabling it to raise funds on the capital market in a timely manner.

(I) Capital risk management

The purpose of capital management is to maintain a sound capital structure and protect the Company's ability to continue to provide benefits to its shareholders and stakeholders as a going concern. The Company monitors capital on the basis of credit ratings and debt ratio.

The debt ratios as of March 31, 2024 and December 31, 2023 are as follows:

| (In millions of Korean won) | March 31, 2024 | Iarch 31, 2024 December 31, 2023 | |
|-----------------------------|----------------|--|--|
| | | | |
| Total liabilities | 79,943,835 | 72,069,515 | |
| Total equity | 232,139,453 | 224,787,774 | |
| Debt ratio | 34.4% | 32.1% | |

(J) Fair value measurement

(6) Carrying amounts and fair values of financial instruments by category as of March 31, 2024 and December 31, 2023 are as follows:

| | March 31, 2024 | | December 31, 2023 | |
|---|-----------------|------------|-------------------|------------|
| (In millions of Korean won) | Carrying amount | Fair value | Carrying amount | Fair value |
| Financial assets | | | | |
| Cash and cash equivalents | 12,282,309 | (*1) | 6,061,451 | (*I) |
| Short-term financial instruments | 50,247 | (*1) | 50,071 | (*1) |
| Trade receivables | 32,832,663 | (*1) | 27,363,016 | (*1) |
| Financial assets at fair value | | | | |
| through | 2,049,692 | 2,049,692 | 1,854,503 | 1,854,503 |
| other comprehensive income | | | | |
| Financial assets at fair value | | | | |
| through | - | - | 1 | 1 |
| profit or loss | | | | |
| Other(*2) | 5,823,813 | 422,676 | 5,365,519 | 393,235 |
| Total financial assets | 53,038,724 | | 40,694,561 | |
| Financial liabilities | | | | |
| Trade payables | 12,457,726 | (*1) | 7,943,834 | (*1) |
| Short-term borrowings | 8,555,367 | (*1) | 5,625,163 | (*1) |
| Other payables | 14,467,296 | (*1) | 15,015,578 | (*1) |
| Current portion of long-term liabilities | 242,227 | 7,121 | 228,491 | 6,757 |
| - Long-term borrowings | 235,581 | (*3) | 222,137 | (*3) |
| - Debentures | 6,646 | 7,121 | 6,354 | 6,757 |
| Debentures | 19,943 | 22,864 | 19,064 | 21,695 |
| Long-term borrowings | 22,901,308 | (*1)(*3) | 22,902,035 | (*3) |
| Long-term other payables | 4,220,795 | (*1) | 4,486,390 | (*1) |
| Other | 4,399,551 | (*1) | 3,652,969 | (*1) |
| Total financial liabilities | 67,264,213 | | 59,873,524 | |

(*1) Carrying amount is a reasonable approximation of fair value.

- (*2) Assets measured at the cost of arrow 5,401,137 million on March 31, 2024, which is a reasonable estimate of fair value, are excluded from the fair value disclosures.
- (*3) Lease liabilities, classified under the current portion of long-term liabilities and long-term borrowings, are excluded from the fair value disclosures in accordance with Korean IFRS 1107.
- (7) Fair value hierarchy classifications of the financial instruments that are measured or disclosed at fair value as of March 31, 2024 and December 31, 2023 are as follows:

| | | March 31, | 2024 | |
|---|-----------|-----------|---------|---------------|
| (In millions of Korean won) | Level 1 | Level 2 | Level 3 | Total balance |
| 1) Assets | | | | |
| Financial assets at fair value through other comprehensive income | 1,950,871 | - | 98,821 | 2,049,692 |
| Financial assets at fair value through profit or loss | - | - | - | - |
| Other | - | - | 422,676 | 422,676 |
| 2) Liabilities | | | | |
| Current portion of debentures | - | 7,121 | - | 7,121 |
| Debentures | - | 22,864 | , – | 22,864 |

| | | December 31 | , 2023 | |
|---|-----------|-------------|---------|---------------|
| (In millions of Korean won) | Level 1 | Level 2 | Level 3 | Total balance |
| 1) Assets | | | | |
| Financial assets at fair value through other comprehensive income | 1,757,336 | - | 97,167 | 1,854,503 |
| Financial assets at fair value through profit or loss | - | - | 1 | 1 |
| Other | - | - | 393,235 | 393,235 |
| 2) Liabilities | | | | |
| Current portion of debentures | - | 6,757 | - | 6,757 |
| Debentures | - | 21,695 | - | 21,695 |

The levels of the fair value hierarchy and its application to financial assets and liabilities are described below.

- Level 1: Quoted prices (unadjusted) in active markets for identical assets or liabilities
- Level 2: Inputs other than quoted prices included within Level 1 that are observable for the asset or liability, either directly or indirectly
- Level 3: Inputs for the asset or liability that are not based on observable market data (that is, unobservable inputs)

The fair value of financial instruments traded in active markets is based on quoted market prices at the reporting date. A market is regarded as active if quoted prices are readily and regularly available from an exchange, dealer, broker, industry group, pricing service, or regulatory agency, and those prices represent actual and regularly occurring market transactions on an arm's length basis. These instruments are included in Level 1. The instruments included in Level 1 are listed equity investments, most of which are classified as financial assets at fair value through other comprehensive income.

The fair value of financial instruments that are not traded in an active market is determined by using valuation techniques. These valuation techniques maximize the use of observable market data where available and rely as little as possible on entity-specific estimates. If all significant inputs required to measure the fair value of an instrument are observable, the instrument is included in Level 2.

If one or more of the significant inputs are not based on observable market data, the instrument is included in Level 3.

The Company performs the fair value measurements required for financial reporting purposes, including Level 3 fair values, and discusses valuation processes and results in line with the financial reporting timelines. The Company's policy is to recognize transfers between levels at the end of the reporting period if corresponding events or changes in circumstances have occurred.

Specific valuation techniques used to value financial instruments include:

- · Quoted market prices or dealer quotes for similar instruments
- The fair value of forward foreign exchange contracts determined using forward exchange rates at the reporting date, with the resulting value discounted to present value

Other techniques, such as discounted cash flow analysis, binomial distribution model, etcetera, are used to determine fair value for the remaining financial instruments. For trade and other receivables that are classified as current assets, the book value approximates a reasonable estimate of fair value.

(8)Valuation technique and the inputs

The Company utilizes a present value technique to discount future cash flows using proper interest rates for corporate bonds, government and public bonds, and bank debentures that are classified as Level 2 in the fair value hierarchy.

The following table presents the valuation technique and the inputs used for major financial instruments classified as Level 3 as of March 31, 2024.

| Classification | Fair value | Valuation technique | Level 3 inputs | Input range |
|--|--------------------|----------------------|-------------------------------------|-------------|
| Financial assets at fair value through o | ther comprehensive | income | | |
| | | | Permanent growth rate | 1% |
| Samsung Venture Investment | 33,250 | Discounted cash flow | Weighted average cost of capital | 16.6% |
| | | | Permanent growth rate | 0.0% |
| MiCo Ceramics Co., Ltd. | 34,662 | Discounted cash flow | Weighted average cost of capital | 15.4% |
| | 422 (7(| Binomial model | Risk-free rate | 3.5% |
| Call option on equity instruments | 422,676 | Binomial model | Price volatility | 69.7% |
| (9) Changes in Level 3 instrum | nents: | | | |
| (In millions of Korean won) | | | 2024 | 2023 |
| Financial assets | | | | |
| Balance as of January 1 | | | 490,403 | 116,726 |
| Acquisitions | | | - , | 27,784 |
| Disposals | | | - | (61) |
| Amount recognized in profit for the period | 1 | | 29,440 | 234,641 |

(In millions of Korean won, and percentage)

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| Amount recognized in other comprehensive income | 1,654 | (80) |
|---|---------|---------|
| Balance as of March 31 | 521,497 | 379,010 |

(10) Sensitivity analysis for recurring fair value measurements categorized within Level 3

Sensitivity analysis of financial instruments is performed to measure favorable and unfavorable changes in the fair value of financial instruments which are affected by the unobservable parameters, using a statistical technique. When the fair value is affected by more than two input parameters, the amounts represent the most favorable or unfavorable.

The results of the sensitivity analysis for effect on income or loss before tax from changes in inputs for major financial instruments which are categorized within Level 3 and subject to sensitivity analysis are as follows:

| (In millions of Korean won) Favo | | anges | Unfavorable cl | hanges |
|---|----------------|--------|----------------|---------|
| Classification | Profit or loss | Equity | Profit or loss | Equity |
| Financial assets at fair value through other comprehensive income ^(*1) | - | 2,585 | - | (2,639) |
| Other ^(*2) | 103,163 | - | (102,740) | - |

(*1) For equity securities, changes in fair value are calculated by increasing or decreasing the discount rate and growth rate (-1.0% ~1.0%), which are significant unobservable inputs.

^(*2) Changes in fair value were calculated based on changes in underlying asset price (20%) and price volatility (10%), which are significant unobservable inputs.

26. Segment Information

The chief operating decision-maker has been identified as the Management Committee. The Company determines operating segments based on the segment information reported to the Management Committee. The Management Committee reviews the operating profits of each operating segment in order to evaluate the performance and to make strategic decisions regarding the allocation of resources to each segment.

Revenue consists mostly of product sales. The operating segments are product-based and are identified based on the internal organization and revenue streams. As of the reporting date, the operating segments are comprised of DX, DS, and others.

Total assets and liabilities of each operating segment are excluded from the disclosure as these have not been provided regularly to the Management Committee.

(1) For the three-month period ended March 31, 2024

| (In millions of Korean won) | DX | DS | Total ^(*) |
|-----------------------------|------------|------------|----------------------|
| Revenue | 30,581,450 | 22,829,373 | 51,239,617 |
| Depreciation | 133,744 | 6,723,408 | 6,907,882 |
| Amortization | 393,261 | 136,186 | 586,939 |
| Operating profit | 938,898 | 1,067,002 | 2,007,380 |

(*) Other operating segments are not separately disclosed.

(2) For the three-month period ended March 31, 2023

| (In millions of Korean won) | DX | DS | Total ^(*) |
|-----------------------------|------------|-------------|----------------------|
| Revenue | 29,236,174 | 13,344,621 | 42,168,679 |
| Depreciation | 135,333 | 6,092,841 | 6,278,126 |
| Amortization | 406,889 | 192,726 | 657,121 |
| Operating profit | 1,221,642 | (4,982,377) | (3,908,761) |

(*) Other operating segments are not separately disclosed.

27. Related Party Transactions

(A) Subsidiaries

List of subsidiaries as of March 31, 2024 is as follows:

| Region | Subsidiaries | Industry | Percentage of ownership (%) ^(*) |
|-------------|---|--|---|
| | Samsung Electronics America, Inc. (SEA) | Sale of electronic devices | 100.0 |
| | Samsung International, Inc. (SII) | Manufacture of electronic devices | 100.0 |
| | Samsung Mexicana S.A. de C.V (SAMEX) | Manufacture of electronic devices | 100.0 |
| | Samsung Electronics Home Appliances America, LLC (SEHA) | Manufacture of home appliances | 100.0 |
| | Samsung Research America, Inc. (SRA) | Research & Development (R&D) | 100.0 |
| | SAMSUNG NEXT LLC (SNX) | Management of overseas subsidiaries | 100.0 |
| | SAMSUNG NEXT FUND LLC (SNXF) | Technology business, venture capital investments | 100.0 |
| | NeuroLogica Corp. | Manufacture and sale of medical equipment | 100.0 |
| | Samsung HVAC America, LLC | Sale of air conditioning products | 100.0 |
| | Joyent, Inc. | Cloud services | 100.0 |
| | SmartThings, Inc. | Sale of smart home electronics | 100.0 |
| | TeleWorld Solutions, Inc. (TWS) | Installation of network devices | 100.0 |
| | Samsung Semiconductor, Inc. (SSI) | Sale of semiconductor and display panels | 100.0 |
| | Samsung Federal, Inc. (SFI) | R&D | 100.0 |
| | Samsung Austin Semiconductor LLC. (SAS) | Manufacture of semiconductors | 100.0 |
| | Samsung Oak Holdings, Inc. (SHI) | Management of overseas subsidiaries | 100.0 |
| | SEMES America, Inc. | Semiconductor equipment maintenance | 100.0 |
| | Samsung Display America Holdings, Inc. (SDAH) | Management of overseas subsidiaries | 100.0 |
| | eMagin Corporation | Development and manufacture of display panel | 100.0 |
| | Samsung Electronics Canada, Inc. (SECA) | Sale of electronic devices | 100.0 |
| | AdGear Technologies Inc. | Digital advertising platforms | 100.0 |
| | Samsung Eletronica da Amazonia Ltda. (SEDA) | Manufacture and sale of electronic devices | 100.0 |
| | Samsung Electronics Mexico S.A. De C.V. (SEM) | Sale of electronic devices | 100.0 |
| America | Samsung Electronics Digital Appliance Mexico, SA de CV (SEDAM) | Manufacture of home appliances | 100.0 |
| 7 miler ieu | Samsung Electronics Latinoamerica(Zona Libre), S. A. (SELA) | Sale of electronic devices | 100.0 |
| | Samsung Electronics Latinoamerica Miami, Inc. (SEMI) | Sale of electronic devices | 100.0 |
| | Samsung Electronica Colombia S.A. (SAMCOL) | Sale of electronic devices | 100.0 |
| | Samsung Electronica Coloniola S.A. (SAMCOL) | Marketing and services | 100.0 |
| | Samsung Electronics Argentina S.A. (SEASA) Samsung Electronics Chile Limitada (SECH) | Sale of electronic devices | 100.0 |
| | Samsung Electronics Peru S.A.C. (SEPR) | Sale of electronic devices | 100.0 |
| | | Marketing and services | 100.0 |
| | Samsung Electronics Venezuela, C.A. (SEVEN) | Consulting | 100.0 |
| | Samsung Electronics Panama. S.A. (SEPA) Harman International Industries, Inc. | 6 | 100.0 |
| | , | Management of overseas subsidiaries | |
| | Harman Becker Automotive Systems, Inc. | Manufacture, sales and R&D of audio products | 100.0 |
| | Harman Connected Services, Inc. | Connected service provider | 100.0 |
| | Harman Connected Services Engineering Corp. | Connected service provider | 100.0 |
| | Harman da Amazonia Industria Eletronica e Participacoes Ltda. | Manufacture and sale of audio products | 100.0 |
| | Harman de Mexico, S. de R.L. de C.V. | Manufacture of audio products | 100.0 |
| | Harman do Brasil Industria Eletronica e Participacoes Ltda. | Sales and R&D of audio products | 100.0 |
| | Harman Financial Group LLC | Management company | 100.0 |
| | Harman International Industries Canada Ltd. | Sale of audio products | 100.0 |
| | Harman International Mexico, S. de R.L. de C.V. | Sale of audio products | 100.0 |
| | Harman KG Holding, LLC | Management of overseas subsidiaries | 100.0 |
| | Harman Professional, Inc. | Sales and R&D of audio products | 100.0 |
| | Roon Labs, LLC. | Sale of audio products | 100.0 |
| | Beijing Integrated Circuit Industry International Fund, L.P. | Venture capital investment fund | 61.4 |
| | China Materialia New Materials 2016 Limited Partnership | Venture capital investment fund | 99.0 |

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Subsidiaries

| Region | Subsidiaries | Industry | Percentage of ownership (%) ^(*) |
|--------|--|---|---|
| | Samsung Electronics (UK) Ltd. (SEUK) | Sale of electronic devices | 100.0 |
| | Samsung Electronics Ltd. (SEL) | Management of overseas subsidiaries | 100.0 |
| | Samsung Semiconductor Europe Limited (SSEL) | Sale of semiconductor and display panels | 100.0 |
| | Samsung Electronics GmbH (SEG) | Sale of electronic devices | 100.0 |
| | Samsung Electronics Holding GmbH (SEHG) | Management of overseas subsidiaries | 100.0 |
| | Samsung Semiconductor Europe GmbH (SSEG) | Sale of semiconductor and display panels | 100.0 |
| | Samsung Electronics France S.A.S (SEF) | Sale of electronic devices | 100.0 |
| | Samsung Electronics Italia S.P.A. (SEI) | Sale of electronic devices | 100.0 |
| | Samsung Electronics Iberia, S.A. (SESA) | Sale of electronic devices | 100.0 |
| | Samsung Electronics Portuguesa, Unipessoal, Lda. (SEP) | Sale of electronic devices | 100.0 |
| | Samsung Electronics Hungarian Private Co., Ltd. (SEH) | Manufacture and sale of electronic devices | 100.0 |
| | Samsung Electronics Europe Logistics B.V. (SELS) | Logistics | 100.0 |
| | Samsung Electronics Benelux B.V. (SEBN) | Sale of electronic devices | 100.0 |
| | Samsung Electronics Europe Holding Cooperatief U.A. (SEEH) | Management of overseas subsidiaries | 100.0 |
| | Samsung Electronics Nordic Aktiebolag (SENA) | Sale of electronic devices | 100.0 |
| | Samsung Electronics Slovakia s.r.o (SESK) | Manufacture of TV and monitors | 100.0 |
| | Samsung Display Slovakia, s.r.o., v likvidacii (SDSK) | Toll processing of display panel | 100.0 |
| | Samsung Electronics Polska, SP.Zo.o (SEPOL) | Sale of electronic devices | 100.0 |
| | Samsung Electronics Poland Manufacturing SP.Zo.o (SEPM) | Manufacture of home appliances | 100.0 |
| | Samsung Electronics Romania LLC (SEROM) | Sale of electronic devices | 100.0 |
| | Samsung Electronics Austria GmbH (SEAG) | Sale of electronic devices | 100.0 |
| | Samsung Electronics Switzerland GmbH (SESG) | Sale of electronic devices | 100.0 |
| | Samsung Electronics Czech and Slovak s.r.o. (SECZ) | Sale of electronic devices | 100.0 |
| Europe | SAMSUNG ELECTRONICS BALTICS SIA (SEB) | Sale of electronic devices | 100.0 |
| & CIS | Samsung Electronics Greece S.M.S.A (SEGR) | Sale of electronic devices | 100.0 |
| | Samsung Electronics Air Conditioner Europe B.V. (SEACE) | Sale of air conditioning products | 100.0 |
| | Samsung Nanoradio Design Center (SNDC) | R&D | 100.0 |
| | Samsung Denmark Research Center ApS (SDRC) | R&D | 100.0 |
| | Samsung Cambridge Solution Centre Limited (SCSC) | R&D | 100.0 |
| | SAMSUNG Zhilabs, S.L. | Development and sale of network solution | 100.0 |
| | FOODIENT LTD. | R&D | 100.0 |
| | Samsung Electronics Rus Company LLC (SERC) | Sale of electronic devices | 100.0 |
| | Samsung Electronics Rus Kaluga LLC (SERK) | Manufacture of TV | 100.0 |
| | Samsung Electronics Ukraine Company LLC (SEUC) | Sale of electronic devices | 100.0 |
| | Samsung R&D Institute Ukraine (SRUKR) | R&D | 100.0 |
| | Samsung Electronics Central Eurasia LLP (SECE) | Sale of electronic devices | 100.0 |
| | Samsung Electronics Overseas B.V. (SEO) | Sale of electronic devices | 100.0 |
| | Samsung R&D Institute Rus LLC (SRR) | R&D | 100.0 |
| | Samsung Electronics Caucasus Co., Ltd (SECC) | Marketing | 100.0 |
| | | | 100.0 |
| | Samsung Electronics Uzbekistan Ltd. (SEUZ) AKG Acoustics Gmbh | Marketing Manufacture and sale of audio products | 100.0 |
| | | - | |
| | Apostera UA, LLC | Connected Service Provider | 100.0 |
| | Harman Audio Iberia Espana Sociedad Limitada | Sale of audio products | 100.0 |
| | Harman Becker Automotive Systems GmbH | Manufacture, sales and R&D of audio products | 100.0 |
| | Harman Becker Automotive Systems Italy S.R.L. | Sale of audio products | 100.0 |
| | Harman Becker Automotive Systems Manufacturing Kft | Manufacture, sales and R&D of audio products | 100.0 |
| | Harman Belgium SA | Sale of audio products | 100.0 |
| | Harman Connected Services AB. | Connected service provider | 100.0 |

| Region | Subsidiaries | Industry | Percentage of ownership (%) ^(*) |
|----------|---|--|--|
| | Harman Finland Oy | Connected service provider | 100.0 |
| | Harman Connected Services GmbH | Connected service provider | 100.0 |
| | Harman Connected Services Poland Sp.zoo | Connected service provider | 100.0 |
| | Harman Connected Services UK Ltd. | Connected service provider | 100.0 |
| | Harman Consumer Nederland B.V. | Sale of audio products | 100.0 |
| | Harman Deutschland GmbH | Sale of audio products | 100.0 |
| | Harman France SNC | Sale of audio products | 100.0 |
| | Harman Holding GmbH& Co. KG | Management company | 100.0 |
| | Harman Hungary Financing Ltd. | Financing company | 100.0 |
| Europe | Harman Inc. & Co. KG | Management of overseas subsidiaries | 100.0 |
| & CIS | Harman International Estonia OU | R&D | 100.0 |
| | Harman International Industries Limited | Sale and R&D of audio products | 100.0 |
| | Harman International Romania SRL | R&D | 100.0 |
| | Harman Management GmbH | Management of overseas subsidiaries | 100.0 |
| | Harman Professional Kft | Manufacture, and R&D of audio products | 100.0 |
| | Harman Professional Denmark ApS | Sales, and R&D of audio products | 100.0 |
| | Red Bend Software SAS | Software design | 100.0 |
| | Studer Professional Audio GmbH | Sales, and R&D of audio products | 100.0 |
| | Harman Connected Services OOO | Connected service provider | 100.0 |
| | Harman RUS CIS LLC | Sale of audio products | 100.0 |
| | Samsung Gulf Electronics Co., Ltd. (SGE) | Sale of electronic devices | 100.0 |
| | Samsung Electronics Turkiye (SETK) | Sale of electronic devices | 100.0 |
| | Samsung Electronics Industry and Commerce Ltd. (SETK-P) | Manufacture of electronic devices | 100.0 |
| | Samsung Electronics Levant Co., Ltd. (SELV) | Sale of electronic devices | 100.0 |
| ÷ | Samsung Electronics Maghreb Arab (SEMAG) | Sale of electronic devices | 100.0 |
| | Samsung Electronics Egypt S.A.E (SEEG) | Manufacture and sale of electronic devices | 100.0 |
| | Samsung Electronics Israel Ltd. (SEIL) | Marketing | 100.0 |
| | Samsung Electronics Tunisia S.A.R.L (SETN) | Marketing | 100.0 |
| | Samsung Electronics Pakistan(Private) Ltd. (SEPAK) | Marketing | 100.0 |
| Middle | Samsung Electronics Saudi Arabia Ltd. (SESAR) | Sale of electronic devices | 100.0 |
| East | Samsung Semiconductor Israel R&D Center, Ltd. (SIRC) | R&D | 100.0 |
| & Africa | Corephotonics Ltd. | R&D | 100.0 |
| | Samsung Electronics South Africa(Pty) Ltd. (SSA) | Sale of electronic devices | 100.0 |
| | Samsung Electronics South Africa Production (pty) Ltd. (SSAP) | Manufacture of TV and monitors | 100.0 |
| | Samsung Electronics West Africa Ltd. (SEWA) | Marketing | 100.0 |
| | Samsung Electronics East Africa Ltd. (SEEA) | Marketing | 100.0 |
| | Global Symphony Technology Group Private Ltd. | Management of overseas subsidiaries | 100.0 |
| | Harman Connected Services Morocco | Connected service provider | 100.0 |
| | Harman Industries Holdings Mauritius Ltd. | Management of overseas subsidiaries | 100.0 |
| | Red Bend Ltd. | Manufacture of audio products | 100.0 |

| | | | , |
|--------|-------------------------------------|----------|---|
| Region | Subsidiaries | Industry | Percentage of ownership (%) ^(*) |
| | Samsung Electronics Business Report | 134 | |

| | - Samsung Asia Pte. Ltd. (SAPL) | Management of overseas subsidiaries | 100.0 |
|------------|---|--|-------|
| | Samsung Electronics Singapore Pte. Ltd. (SESP) | Sale of electronic devices | 100.0 |
| | Samsung Malaysia Electronics (SME) Sdn. Bhd. (SME) | Sale of electronic devices | 100.0 |
| | Samsung Electronics Display (M) Sdn. Bhd. (SDMA) | Manufacture of electronic devices | 100.0 |
| | Samsung Electronics (M) Sdn. Bhd. (SEMA) | Manufacture of home appliances | 100.0 |
| | Samsung Vina Electronics Co., Ltd. (SAVINA) | Sale of electronic devices | 100.0 |
| | Samsung Electronics Vietnam Co., Ltd. (SEV) | Manufacture of electronic devices | 100.0 |
| | Samsung Electronics Vietnam THAINGUYEN Co., Ltd. (SEVT) | Manufacture of communication equipment | 100.0 |
| | Samsung Electronics HCMC CE Complex Co., Ltd. (SEHC) | Manufacture and sale of electronic devices | 100.0 |
| | Samsung Display Vietnam Co., Ltd. (SDV) | Manufacture of display panels | 100.0 |
| | PT Samsung Electronics Indonesia (SEIN) | Manufacture and sale of electronic devices | 100.0 |
| | PT Samsung Telecommunications Indonesia (STIN) | Sale of electronic devices and services | 100.0 |
| | Thai Samsung Electronics Co., Ltd. (TSE) | Manufacture and sale of electronic devices | 91.8 |
| | Laos Samsung Electronics Sole Co., Ltd. (LSE) | Marketing | 100.0 |
| Asia | Samsung Electronics Philippines Corporation (SEPCO) | Sale of electronic devices | 100.0 |
| (Excluding | Samsung Electronics Australia Pty. Ltd. (SEAU) | Sale of electronic devices | 100.0 |
| China) | Samsung Electronics New Zealand Limited (SENZ) | Sale of electronic devices | 100.0 |
| | Samsung India Electronics Private Ltd. (SIEL) | Manufacture and sale of electronic devices | 100.0 |
| | Red Brick Lane Marketing Solutions Pvt. Ltd. | Marketing | 100.0 |
| | Samsung Display Noida Private Limited (SDN) | Manufacture of display panels | 100.0 |
| | Samsung R&D Institute India-Bangalore Private Limited (SRI-Bangalore) | R&D | 100.0 |
| | Samsung R&D Institute BanglaDesh Limited (SRBD) | R&D | 100.0 |
| | Samsung Nepal Services Pvt, Ltd (SNSL) | Services | 100.0 |
| | Samsung Japan Corporation (SJC) | Sale of semiconductor and display panels | 100.0 |
| | Samsung R&D Institute Japan Co. Ltd. (SRJ) | R&D | 100.0 |
| \$ | Samsung Electronics Japan Co., Ltd. (SEJ) | Sale of electronic devices | 100.0 |
| | Harman Connected Services Corp. India Pvt. Ltd. | Connected service provider | 100.0 |
| | Harman International (India) Private Limited | Sales, and R&D of audio products | 100.0 |
| | Harman International Industries PTY Ltd. | Management of overseas subsidiaries | 100.0 |
| | Harman International Japan Co., Ltd. | Sales, and R&D of audio products | 100.0 |
| | Harman Singapore Pte. Ltd. | Sale of audio products | 100.0 |

| Region | Subsidiaries | Industry | Percentage of ownership (%) ^(*) |
|--------|---|----------------------------|---|
| China | Samsung (CHINA) Investment Co., Ltd. (SCIC) | Sale of electronic devices | 100.0 |
| | Samsung Electro | nics Business Report 135 | |

| Samsung Electronics Hong Kong Co., Ltd. (SEHK) | Sale of electronic devices | 100.0 |
|---|---|-------|
| Samsung Electronics Taiwan Co., Ltd. (SET) | Sale of electronic devices | 100.0 |
| Tianjin Samsung Electronics Co., Ltd. (TSEC) | Manufacture of TV and monitors | 91.2 |
| Suzhou Samsung Electronics Co., Ltd. (SSEC) | Manufacture of home appliances | 88.3 |
| Samsung Suzhou Electronics Export Co., Ltd. (SSEC-E) | Manufacture of home appliances | 100.0 |
| Samsung Electronics Suzhou Computer Co., Ltd. (SESC) | R&D | 100.0 |
| Tianjin Samsung Telecom Technology Co., Ltd. (TSTC) | Manufacture of communication equipment | 90.0 |
| Beijing Samsung Telecom R&D Center (SRC-Beijing) | R&D | 100.0 |
| Samsung Electronics China R&D Center (SRC-Nanjing) | R&D | 100.0 |
| Samsung Mobile R&D Center China-Guangzhou (SRC-Guangzhou) | R&D | 100.0 |
| Samsung R&D Institute China-Shenzhen (SRC-Shenzhen) | R&D | 100.0 |
| Shanghai Samsung Semiconductor Co., Ltd. (SSS) | Sale of semiconductor and display panels | 100.0 |
| Samsung (China) Semiconductor Co., Ltd. (SCS) | Manufacture of semiconductors | 100.0 |
| Samsung SemiConductor Xian Co., Ltd. (SSCX) | Sale of semiconductor and display panels | 100.0 |
| Samsung Electronics Suzhou Semiconductor Co., Ltd. (SESS) | Toll processing of semiconductor | 100.0 |
| Tianjin Samsung LED Co., Ltd. (TSLED) | Manufacture of Light-Emitting Diode | 100.0 |
| Samsung Semiconductor (China) R&D Co., Ltd. (SSCR) | R&D | 100.0 |
| Samsung Display Dongguan Co., Ltd. (SDD) | Manufacture of display panels | 100.0 |
| Samsung Display Tianjin Co., Ltd. (SDT) | Manufacture of display panels | 95.0 |
| SEMES (XIAN) Co., Ltd. | Semiconductor equipment services | 100.0 |
| Samsung Semiconductor Investment L.P. I | Investment in new technology and venture firm | 99.0 |
| Harman (China) Technologies Co., Ltd. | Manufacture of audio products | 100.0 |
| Harman (Suzhou) Audio and Infotainment Systems Co., Ltd. | Sale of audio products | 100.0 |
| Harman Automotive Electronic Systems (Suzhou) Co., Ltd. | Manufacture, and R&D of audio products | 100.0 |
| Harman Commercial (Shanghai) Co., Ltd. | Sale of audio products | 100.0 |
| Harman Connected Services Solutions (Chengdu) Co., Ltd. | Connected Service Provider | 100.0 |
| Harman Holding Limited | Sale of audio products | 100.0 |
| Harman International (China) Holdings Co., Ltd. | Sales, and R&D of audio products | 100.0 |
| Harman Technology (Shenzhen) Co., Ltd. | Sales, and R&D of audio products | 100.0 |

| Region | Subsidiaries | Industry | Percentage of ownership (%) ^(*) | |
|----------|---|---|---|--|
| | Samsung Display Co., Ltd. | Manufacture and sale of display panels | 84.8 | |
| | SU Materials Co., Ltd. | Manufacture of display components | 50.0 | |
| | STECO Co., Ltd. | Manufacture of semiconductor components | 70.0 | |
| | SEMES Co., Ltd. | Manufacture and sale of semiconductor/FPD | 91.5 | |
| | Samsung Electronics Service Co., Ltd. | Repair services for electronic devices | 99.3 | |
| | Samsung Electronics Service Customer Satisfaction Co., Ltd. | Call center for electronic device repair services | 100.0 | |
| | Samsung Electronics Sales Co., Ltd. | Sale of electronic devices | 100.0 | |
| | Samsung Electronics Logitech Co., Ltd. | General logistics agency | 100.0 | |
| | Samsung Medison Co., Ltd. | Manufacture and sale of medical equipment | 68.5 | |
| | Stellar Forest Co., Ltd. | Manufacture and processing of food products | 100.0 | |
| | Mirero System Co., Ltd. | Development and supply of semiconductor process defect and quality control software | 99.9 | |
| | Harman International Korea, Co., Ltd. | Software development and supply | 100.0 | |
| | Samsung Venture Capital Union #21 | Venture capital investment fund | 99.0 | |
| | Samsung Venture Capital Union #22 | Venture capital investment fund | 99.0 | |
| | Samsung Venture Capital Union #26 | Venture capital investment fund | 99.0 | |
| Domestic | Samsung Venture Capital Union #28 | ng Venture Capital Union #28 Venture capital investment fund | | |
| | Samsung Venture Capital Union #29 | g Venture Capital Union #29 Venture capital investment fund | | |
| | Samsung Venture Capital Union #32 | Venture capital investment fund | 99.0 | |
| | Samsung Venture Capital Union #33 Venture capital investment fund | | 99.0 | |
| | Samsung Venture Capital Union #37 | Venture capital investment fund | 99.0 | |
| | Samsung Venture Capital Union #40 | Venture capital investment fund | 99.0 | |
| | Samsung Venture Capital Union #42 | Venture capital investment fund | 99.0 | |
| | Samsung Venture Capital Union #43 | Venture capital investment fund | 99.0 | |
| | Samsung Venture Capital Union #45 | Venture capital investment fund | 99.0 | |
| | Samsung Venture Capital Union #52 | Venture capital investment fund | 99.0 | |
| | Samsung Venture Capital Union #55 | Venture capital investment fund | 99.0 | |
| | Samsung Venture Capital Union #56 | Venture capital investment fund | 99.0 | |
| | Samsung Venture Capital Union #57 | Venture capital investment fund | 99.0 | |
| | Samsung Venture Capital Union #62 | Venture capital investment fund | 99.0 | |
| | Growth Type Private Equity Trust Specialized In Semiconductors | Investment in semiconductor industry | 66.7 | |
| | System LSI Mutual Benefit Private Equity Trust | Investment in semiconductor industry | 62.5 | |
| | Semiconductor Ecosystem General Private Equity Trust | Investment in semiconductor industry | 66.7 | |

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(B) Transactions with related parties

Transactions with related parties for the three-month periods ended March 31, 2024 and 2023 are as follows:

| Korean wonotherassetsand otherassetsSamsung Display Co., Ltd.5,751,594-416,024-Samsung Electronics America, Inc. (SEA)7,779,844-55,726-Samsung Asia Pte. Ltd. (SAPL)1-3,463-Samsung Austin Semiconductor LLC (SAS)17-1,047,408-Harman and its subsidiaries(*2)12,797-Samsung (China) Semiconductor Co., Ltd. (SCS)95,1638,0223,062,665276Samsung Semiconductor, Inc. (SSI)6,333,302-212,593-Samsung Electronics Vietnam THAINGUYEN Co., Ltd. (SEVT)797,606-7,557,6362,173Samsung Electronics Europe Holding Cooperatief U.A. (SEEH)Samsung India Electronics Private Ltd. (SIEL)883,124-1,584,965-Samsung Electronics Vietnam Co., Ltd. (SEV)445,343-3,811,160132Shanghai Samsung Semiconductor Co., Ltd. (SSS)7,166,624 | | | | 202 | 24 | |
|--|--|--|---------------------------------------|-------------|-------------|-------------|
| Samsung Electronies America, Inc. (SEA)7,779,844-55,726-Samsung Asia Pre, Lid. (SAPL)1-3,463-Samsung Asia Seniconductor LLC (SAS)17-1,047,408-Harman and its subsidiaries(*2)212,5932.062,666276Samsung Chini, Semiconductor Co., Lid. (SCS)95,1638,0223,062,666276Samsung Electronies Victama THAINGUYEN Co., Lid. (SEVT)179,606-7,57,6362.12,593Samsung Electronies Victama THAINGUYEN Co., Lid. (SECT)15,67,646-1,584,965-Samsung Electronies Victama TLAI, (SEV)445,343-3,811,160132Samsung Electronies Victama Co., Lid. (SECV)445,343-3,811,160132Shangali Samsung Semiconductor Co., Lid. (SEN)7,166,624Samsung Electronies Kick CC Complex Co., Lid. (SEDA)1,007,478-2,518-Samsung Electronies Co., Lid. (SEDA)1,007,478-2,518Samsung Electronies Co., Lid. (SEDA)1,007,478-2,8141That Samsung Electronies Co., Lid. (SELK)1,465,464-420That Samsung Electronies Taivan Co., Lid. (SET)1,065,509-1,418Samsung Electronies Co., Co., Lid. (SET)1,065,509-1,418 </th <th>(In millions of Korean won)</th> <th>Name of company^(*1)</th> <th></th> <th>non-current</th> <th></th> <th>non-current</th> | (In millions of Korean won) | Name of company ^(*1) | | non-current | | non-current |
| Samsung Asia Pte. Lul. (SAPL) 1 - 3,463 Samsung Austin Semiconductor LC (SAS) 17 - 1,047,408 Harman and its subsidiarics(*2) - 2,1277 - Samsung Electronics Vietnam THAINGUVEN Co., Ltd. (SEVT) 79,606 - 7,557,636 22,173 Samsung Electronics Vietnam THAINGUVEN Co., Ltd. (SEVT) 79,606 - 7,557,636 2,173 Samsung Electronics Vietnam THAINGUVEN Co., Ltd. (SEVT) 79,606 - 7,557,636 2,173 Samsung Electronics Vietnam TO., Ltd. (SEV) 1,567,406 - 1,584,965 - Samsung Electronics Vietnam Co., Ltd. (SEV) 445,343 - 1,584,965 - Samsung Electronics Vietnam Co., Ltd. (SEV) 282,979 - - - - Samsung Electronics Vietnam Co., Ltd. (SEV) 1,097,478 - 2,518 - Samsung Electronics COC C. Ltd. (SEV) 1,097,478 - 2,518 - Samsung Electronics COC C. Ltd. (SEV) 1,097,478 - 2,518 - Samsung Electronics COC C. Ltd. (SEU) | | Samsung Display Co., Ltd. | 5,751,594 | - | 416,024 | - |
| Samsung Austin Semiconductor LLC (SAS) 17 - 1,047,408 Harman and its subsidiaries(*2) - - 12,777 Samsung China Semiconductor, Co, Ltd. (SCS) 55,163 38.02 3,02,665 276 Samsung Electronics Vietnam THAINGUYEN Co., Ltd. (SEVT) 797,606 - 1,28,793 - Samsung Electronics Vietnam THAINGUYEN Co., Ltd. (SEVT) 797,606 - - - Samsung Electronics Vietnam TO, Ltd. (SEV) 1,667,406 - 1,584,963 - - Samsung Electronics Vietnam Co., Ltd. (SEV) 483,124 - 1,584,963 - - - Samsung Electronics Vietnam Co., Ltd. (SEV) 483,124 - 1,584,963 - | | Samsung Electronics America, Inc. (SEA) | 7,779,844 | - | 55,726 | - |
| Harman and its subsidiaries(*2) - 12,797 Samsung Semiconductor Co., Ltd. (SCS) 95,163 8.022 3,062,665 276 Samsung Semiconductor, IC. (SSI) 6,333,302 - 7,557,636 2,173 Samsung Electronics Vietman THALNGUYEN Co., Ltd. (SEVT) 797,606 - 7,557,636 2,173 Samsung Electronics Vietman THALNGUYEN Co., Ltd. (SEEH) - - - - Samsung India Electronics Vietman Co., Ltd. (SISV) 445,543 - 1,584,965 - Samsung Electronics Vietman Co., Ltd. (SIDX) 28,979 - - - - Samsung Electronics Co., Ltd. (SIDA) 1,097,478 - 2,518 - Samsung Electronics Co., Ltd. (SEDA) 1,097,478 - 2,518 - Samsung Electronics Co., Ltd. (SEDA) 1,097,478 - 2,518 - Samsung Electronics Co., Ltd. (SEDA) 1,097,478 - 2,518 - Samsung Electronics Co., Ltd. (SEDA) 1,097,473 - 2,518 - Samsung Electronics Co., Ltd. (SEDA) 1,097,5 | | Samsung Asia Pte. Ltd. (SAPL) | 1 | - | 3,463 | - |
| Samsung (China) Semiconductor Co., Ltd. (SCS) 95,163 8,022 3,062,665 276 Samsung Semiconductor, Inc. (SSI) 6,333,302 212,593 - Samsung Electronics Vietnam THAINGUVEN Co., Ltd. (SEVT) 797,606 7.557,636 - Samsung Electronics Vietnam Co., Ltd. (SECV) 1,567,406 - 1,680 - Samsung Electronics Vietnam Co., Ltd. (SECH) - | | Samsung Austin Semiconductor LLC (SAS) | 17 | - | 1,047,408 | - |
| Samsung Semiconductor, Inc. (SSI)6,333,302212,593Samsung (Tlettronics Vietnam THAINGUYEN Co., Ltd. (SEVT)797,6067,557,6562,173Samsung (ThiNA) Investment Co., Ltd. (SCC)1,567,6061,680-Samsung Indin Electronics Firvate Ltd. (SIEL)88,124.1,584,965-Samsung Electronics Vietnam To., Ltd. (SIV)445,543.3,811,160132Samsung Electronics Vietnam Co., Ltd. (SICA)28,979Samsung Electronics Vietnam Co., Ltd. (SIDA)1,097,478.2,518-Samsung Electronics Vietnam Co., Ltd. (SIDA)1,097,478.2,518-Samsung Electronics Co., Ltd. (SEDA)1,097,478Samsung Electronics Co., Ltd. (SEDA)1,097,478Samsung Electronics Co., Ltd. (SEDA)1,097,478Samsung Electronics Co., Ltd. (SEDA)1,097,478Samsung Electronics Co., Ltd. (SEDA)1,097,478< | | Harman and its subsidiaries(*2) | - | - | 12,797 | - |
| Samsung Electronics Vietnam THAINGUYEN Co., Ltd. (SEVT)797,606.7,557,6362,173Samsung Lectronics Europe Holding Cooperatie' U.A. (SEEH)Samsung Electronics Vietnam Co., Ltd. (SEV)483,1241,584,965Samsung Electronics Vietnam Co., Ltd. (SEV)483,1243,811,160.132Samsung Display Vietnam Co., Ltd. (SEV)485,343Samsung Electronics Vietnam Co., Ltd. (SEV)282,979Samsung Electronics CC E Complex Co., Ltd. (SEC)191,1571,415,650< | | Samsung (China) Semiconductor Co., Ltd. (SCS) | 95,163 | 8,022 | 3,062,665 | 276 |
| Samsung (CHINA) Investment Co., Ltd. (SCIC) 1,567,406 - 1,680 Samsung Indica Electronics Europe Holding Cooperatief U.A. (SEEH) - - - Samsung Indica Electronics Furvate Ltd. (SEV) 445,343 - 3,811,160 1132 Sunsung Indica Electronics Vietnam Co., Ltd. (SEV) 445,343 - - - Samsung Electronics Vietnam Co., Ltd. (SEV) 282,979 - - - Samsung Electronics Co., Ltd. (SEDA) 1,097,478 - 2,518 - Samsung Electronics Co., Ltd. (SEDA) 1,097,478 - 2,814 - Thai Samsung Electronics Co., Ltd. (SEIC) 1,115 - 2,814 - Samsung Electronics Co., Ltd. (SELX) 455,976 - 2,814 - Samsung Electronics Mexico S.A. De C.V. (SEM) 870,002 - 1,011 - Samsung Electronics Gaivan Co., Ltd. (SEIX) 1,465,464 - 2,046 - Samsung Electronics Gaivan Co., Ltd. (SEIX) 1,465,464 - 1,011 - Samsung Electronics Gaivan Co., Ltd. 2,752 <td></td> <td>Samsung Semiconductor, Inc. (SSI)</td> <td>6,333,302</td> <td>-</td> <td>212,593</td> <td>-</td> | | Samsung Semiconductor, Inc. (SSI) | 6,333,302 | - | 212,593 | - |
| Samsung Electronics Europe Holding Cooperatief U.A. (SEEH) - - - - Samsung India Electronics Private Ld. (SIEL) 883,124 - 1,584,965 - Samsung Electronics Victnam Co., Ltd. (SEV) 445,343 - 3,811,160 132 Subsidiaries Samsung Electronics Victnam Co., Ltd. (SEV) 445,343 - 3,811,160 132 Subsidiaries Samsung Electronics (LK) (JCV) 282,979 - - - - Samsung Electronics da Amazonia Lda. (SEDA) 1097,478 - 2,518 - | | Samsung Electronics Vietnam THAINGUYEN Co., Ltd. (SEVT) | 797,606 | - | 7,557,636 | 2,173 |
| Samsung India Electronics Private Ld. (SEL)883,1241,584,965Samsung Electronics Victnam Co, Ld. (SEV)445,343Samsung Sing Display Victnam Co, Ld. (SEV)282,979Samsung Electronics da Amazonia Lda. (SEDA)1.097,4782,518 | | Samsung (CHINA) Investment Co., Ltd. (SCIC) | 1,567,406 | - | 1,680 | - |
| Samsung Electronics Vietnam Co., Ltd. (SEV)445,343-3,811,60132SubsidiariesSamsung Semiconducto Co., Ltd. (SSS)7,166,624Samsung Display Vietnam Co., Ltd. (SDA)1,097,478-2,5185Samsung Electronics dA Anazonia Ltda. (SEDA)1,097,478-2,518-Samsung Electronics HCMC CE Complex Co., Ltd. (SEHC)191,157-1,415,650-Samsung Electronics (UK) Ltd. (SEK)455,976-2,814-Samsung Electronics CMX Ltd. (SEK)877,062-2,946-Samsung Electronics Europe Logistics B.V. (SELS)1,465,464-420-Samsung Electronics Taiwan Co., Ltd. (SET)1,095,509-1,011-Samsung Electronics GmbH (SEG)1,095,509-1,448Samsung Electronics GmbH (SEG)1,095,509-1,448Samsung Electronics GmbH (SEG)1,095,509-1,448Samsung Electronics GmbH (SEG)1,019,509-1,448Samsung Electronics GmbH (SEG)1,019,509-1,019,509Other </td <td></td> <td>Samsung Electronics Europe Holding Cooperatief U.A. (SEEH)</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> | | Samsung Electronics Europe Holding Cooperatief U.A. (SEEH) | - | - | - | - |
| Shanghai Samsung Semiconductor Co., Ltd. (SSS)7,166,624SubsidiariesSamsung Display Vietnam Co., Ltd. (SDV)282,979Samsung Electronics da Amazonia Ltda. (SEDA)1,097,478-2,5185Samsung Electronics HCMC CE Complex Co., Ltd. (SEHC)191,157-1,415,650-Samsung Electronics CO., Ltd. (TSE)546,129-2,514-Samsung Electronics (UK) Ltd. (SEUK)455,976-2,8141-Samsung Electronics Co., Ltd. (SETC)1,465,464-4,020-Samsung Electronics Europ Logistics B.V. (SELS)1,465,464-1,011-Samsung Electronics Taivan Co., Ltd. (SET)1,268,209-1,011-Samsung Electronics GmbH (SEG)1,095,509-1,448-Samsung Electronics GmbH (SEG)1,095,509-1,448-Other14,17,7346,4693,388,0172,610OtherTotal2,673,21316,62425,294,675,911Samsung SDS Co., Ltd.26,632-2,24,751-Samsung SDS Co., Ltd.26,632-2,13,7065,012OtherTotal32,813-2,13,7065,012OtherTotal32,1351,221,66,846,6542OtherTotal32,135-2,5441,069,473OtherTotal32,135-1,26,4986,6542OtherTotal1,26,490-1,78,474 <td< td=""><td></td><td>Samsung India Electronics Private Ltd. (SIEL)</td><td>883,124</td><td></td><td>1,584,965</td><td>-</td></td<> | | Samsung India Electronics Private Ltd. (SIEL) | 883,124 | | 1,584,965 | - |
| SubsidiariesSamsung Display Vietnam Co., Lid. (SDV)282,979Samsung Electronics da Amazonia Lida. (SEDA)1,097,478-2,518-Samsung Electronics GCO., Lid. (SEHC)191,157-1,415,650-Thai Samsung Electronics Co., Lid. (TSE)546,129-28,141-Samsung Electronics Co., Lid. (SEUX)455,976-2,946-Samsung Electronics Europe Logistics B.V. (SELS)1,465,464-4200-Samsung Electronics Taiwan Co., Lid. (SET)1,268,209-1,011-Samsung Electronics Taiwan Co., Lid. (SET)1,268,209-1,011-Samsung Electronics Groupe Logistics B.V. (SELS)1,465,464-20,218-Samsung Electronics Groupe Logistics B.V. (SELS)1,095,509-1,621,858-Samsung Electronics Groupe Logistics B.V. (SEGN)316,002-2,212-OtherTotal52,673,21316,24425,294,7675,101Samsung Electronics Group Lide26,334-224,751OtherTotal52,673,21316,24425,294,7675,101Samsung Electro-Mechanics Co., Lid.26,334-224,751Samsung Electro-Mechanics Co., Lid.32,883-213,7065,013Samsung Electro-Mechanics Co., Lid.21,3151221,166,88466,542Sociates andCheil Worldwide Inc.32,883-213,706 <td< td=""><td></td><td>Samsung Electronics Vietnam Co., Ltd. (SEV)</td><td>445,343</td><td>-</td><td>3,811,160</td><td>132</td></td<> | | Samsung Electronics Vietnam Co., Ltd. (SEV) | 445,343 | - | 3,811,160 | 132 |
| Samsung Electronica da Amazonia Lda. (SEDA) 1.097,478 - 2.518 Samsung Electronics da Amazonia Lda. (SEDA) 1.91,157 - 1.415,650 - Samsung Electronics Co., Ld. (TSE) 546,129 - 556,164 - Samsung Electronics Co., Ld. (TSE) 546,129 - 2.946 - Samsung Electronics Co., Ld. (SEUK) 455,976 - 2.946 - Samsung Electronics Keico SA. De C.V. (SEM) 877,062 - 2.946 - Samsung Electronics Keico SA. De C.V. (SEM) 877,062 - 2.946 - Samsung Electronics Gubde Logistics B.V. (SELS) 1,465,464 - 420 - Samsung Electronics GmbH (SEG) 1,095,509 - 1,011 - Samsung Electronics GmbH (SEG) 1,095,509 - 1,448 - Semsung Electronics GmbH (SEG) 1,095,509 - 1,448 - Other 1,07349 6,649 3,388,017 2,610 Samsung Electronics GmbH (SEG) 1,011 - 2,247,51 - | | Shanghai Samsung Semiconductor Co., Ltd. (SSS) | 7,166,624 | - | - | - |
| Samsung Electronics HCMC CE Complex Co., Ltd. (SEHC)191,157-1,415,650-Thai Samsung Electronics Co., Ltd. (TSE)546,129-556,164-Samsung Electronics (UK) Ltd. (SEUK)455,976-2,8,141-Samsung Electronics Europe Logistics B.V. (SELS)1,465,464-420-Samsung Electronics GmbH (SEG)1,095,509-1,418-SEMES Co., Ltd.2,752-510,256Other14,177,3496,4693,388,0172,610-Other14,177,3496,4693,388,0172,610-Samsung SDS Co., Ltd.26,334-224,751-Samsung SDI Co., Ltd.26,334-224,751-Other171,073122216,7001,326Other of total321,3151221,166,88466,542Other of total321,3151221,166,88466,542Other of total126,409-126,4791,484,98,555Other of total126,479-244,15 <td< td=""><td>Subsidiaries</td><td>Samsung Display Vietnam Co., Ltd. (SDV)</td><td>282,979</td><td>-</td><td>-</td><td>-</td></td<> | Subsidiaries | Samsung Display Vietnam Co., Ltd. (SDV) | 282,979 | - | - | - |
| Thai Samsung Electronics Co., Ltd. (TSE)546,129-556,164-Samsung Electronics (UK) Ltd. (SEUK)455,976-28,141-Samsung Electronics Mexico S.A. De C.V. (SEM)877,062-2,946-Samsung Electronics Taiwan Co., Ltd. (SET)1,268,209-1,011-Samsung Electronics Taiwan Co., Ltd. (SET)1,268,209-1,011-Samsung Electronics GmbH (SEG)1,095,509-1,448-Samsung Electronics GmbH (SEG)2,752-510,256-Samsung Electronics Benelux B.V. (SEBN)316,092-5,012-Samsung Electronics Benelux B.V. (SEBN)316,092-2,247Other14,177,3496,4693,388,0172,610Other14,177,3496,4693,388,0172,610 <td< td=""><td></td><td>Samsung Eletronica da Amazonia Ltda. (SEDA)</td><td>1,097,478</td><td>-</td><td>2,518</td><td>-</td></td<> | | Samsung Eletronica da Amazonia Ltda. (SEDA) | 1,097,478 | - | 2,518 | - |
| Samsung Electronics (UK) Ltd. (SEUK)455,976-28,141Samsung Electronics Mexico S.A. De C.V. (SEM)877,062-2,946Samsung Electronics Europe Logistics B.V. (SELS)1,465,464-420Samsung Electronics Taiwan Co., Ltd. (SET)1,268,209-1,011Samsung Electronics GmbH (SEG)1,095,509-1,448SEMES Co., Ltd.2,752-510,256Samsung Electronics Benelux B.V. (SEBN)316,092-221Other14,177,3496,4693,388,0172,610Samsung Electronics Benelux B.V. (SEBN)316,092-224,751Samsung Electronics Benelux B.V. (SEBN)316,092-224,751Other14,177,3496,4693,388,0172,610Samsung Electro-Mechanics Co., Ltd.26,334-224,751Samsung Blectro-Mechanics Co., Ltd.21,71632,883-213,706Samsung SDI Co., Ltd.23,883-213,706500Other171,073122216,7001,326Other171,073122216,7001,326Other171,073122216,7001,326Other126,490-178,47411,483Other126,490-178,47411,483Other126,490-178,47411,483Other126,490-178,47411,483Other126,490-178,47411,483Other126,490-178,474 <t< td=""><td></td><td>Samsung Electronics HCMC CE Complex Co., Ltd. (SEHC)</td><td>191,157</td><td>-</td><td>1,415,650</td><td>-</td></t<> | | Samsung Electronics HCMC CE Complex Co., Ltd. (SEHC) | 191,157 | - | 1,415,650 | - |
| Samsung Electronics Mexico S.A. De C.V. (SEM) $877,062$ - $2,946$ -Samsung Electronics Europe Logistics B.V. (SELS) $1,465,464$ - 420 -Samsung Electronics Taiwan Co., Ltd. (SET) $1,268,209$ - $1,011$ -Samsung International, Inc. (SII) $77,033$ $1,753$ $1,621,858$ -Samsung Electronics GmbH (SEG) $1.095,509$ - 1.444 -SEMES Co., Ltd. $2,752$ - $510,256$ -Samsung Electronics Benelux B.V. (SEBN) $316,092$ - 221 -Other $14,177,349$ 6.469 $3,388,017$ $2,610$ Samsung SDS Co.,Ltd. $226,73,213$ $16,224$ $25,294,767$ $5,191$ Samsung SDS Co.,Ltd. $26,334$ - $224,751$ -Samsung SDI Co., Ltd. $26,334$ - $224,751$ -Samsung SDI Co., Ltd. $27,414$ - $84,918$ $8,555$ Joint venturesGuber $171,073$ 122 $216,700$ $1,326$ OtherTotal $321,315$ 122 $1,166,884$ $66,542$ Other related parties ^(n's) Samsung C&T Co., Ltd. $5,638$ - $224,915$ $10,80,956$ Other related parties ^(n's) Samsung Electron, Ltd. 97 - $204,415$ $10,80,956$ Other related parties ^(n's) Samsung Co, Ltd. 97 - $204,415$ $10,80,956$ Other related | | Thai Samsung Electronics Co., Ltd. (TSE) | 546,129 | - | 556,164 | - |
| Samsung Electronics Europe Logistics B.V. (SELS)1,465,464-420-Samsung Electronics Taiwan Co., Ltd. (SET)1,268,209-1,011-Samsung International, Inc. (SII)77,0331,7531,621,858-Samsung Electronics GmbH (SEG)1,095,509-1,448-SEMES Co., Ltd.2,752-221-Other14,177,3496,6693,388,0172,610Massung Electronics Benelux B.V. (SEBN)16,02422,294,7675,191Other14,177,3496,6493,388,0172,610Samsung Electro-Mechanics Co., Ltd.26,334-224,751-Samsung SDS Co., Ltd.26,334-224,751-Samsung SDI Co., Ltd.27,414-84,9188,555Other171,073122216,7001,326Other171,073122216,7001,326Other126,490-178,47411,433Other126,490-178,47411,433Other126,490178,47411,433Other126,490178,47411,433Other126,490178,47411,433Other126,490178,47411,433Other150,11132,128-204,1151,080,956Other50,18315,634425,183Other50,183-109,1965,275 | | Samsung Electronics (UK) Ltd. (SEUK) | 455,976 | - | 28,141 | - |
| Samsung Electronics Europe Logistics B.V. (SELS)1,465,464-420-Samsung Electronics Taiwan Co., Ltd. (SET)1,268,209-1,011-Samsung International, Inc. (SII)77,0331,7531,621,858-Samsung Electronics GmbH (SEG)1,095,509-1,448-SEMES Co., Ltd.2,752-221-Other14,177,3496,6693,388,0172,610Massung Electronics Benelux B.V. (SEBN)16,02422,294,7675,191Other14,177,3496,6493,388,0172,610Samsung Electro-Mechanics Co., Ltd.26,334-224,751-Samsung SDS Co., Ltd.26,334-224,751-Samsung SDI Co., Ltd.27,414-84,9188,555Other171,073122216,7001,326Other171,073122216,7001,326Other126,490-178,47411,433Other126,490-178,47411,433Other126,490178,47411,433Other126,490178,47411,433Other126,490178,47411,433Other126,490178,47411,433Other150,11132,128-204,1151,080,956Other50,18315,634425,183Other50,183-109,1965,275 | | Samsung Electronics Mexico S.A. De C.V. (SEM) | 877,062 | - | 2,946 | - |
| Samsung International, Inc. (SII) 77,033 1,753 1,621,858 - Samsung Electronics GmbH (SEG) 1,095,509 - 1,448 - SEMES Co., Ltd. 2,752 - 510,256 - Samsung Electronics Benelux B.V. (SEBN) 316,092 - 221 - Other 14,177,349 6,469 3,388,017 2,610 Samsung Electronics Benelux B.V. (SEBN) 316,092 - 221,10 - Other 14,177,349 6,649 3,388,017 2,610 Samsung SDS Co.,Ltd. 52,673,213 16,244 25,294,767 5,191 Samsung Electro-Mechanics Co., Ltd. 26,6334 - 224,751 - Samsung SDI Co., Ltd. 27,414 - 84,918 8,555 Cheil Worldwide Inc. 32,883 - 213,706 500 Other Total 32,1315 122 1,66,84 66,542 Other Total 126,490 - 1,78,474 1,1483 Other To | • | | 1,465,464 | - | 420 | - |
| Samsung Electronics GmbH (SEG) $1,095,509$ $ 1,448$ $-$ SEMES Co., Ltd. $2,752$ $ 510,256$ $-$ Samsung Electronics Benelux B.V. (SEBN) $316,092$ $ 221$ $-$ Other $14,177,349$ $6,469$ $3,388,017$ $2,6101$ Total $52,673,213$ $16,244$ $25,294,767$ $5,10191$ Samsung SDS Co., Ltd. $63,611$ $ 426,809$ $56,161$ Samsung Electro-Mechanics Co., Ltd. $26,334$ $ 224,751$ $-$ Samsung SDI Co., Ltd. $27,414$ $ 84,918$ $8,555$ Cheil Worldwide Inc. $32,883$ $ 213,706$ 5000 Other $171,073$ 122 $216,700$ $1,326$ Other related parties ⁽⁴⁾ $5,638$ $ 25,941$ $1,069,473$ Other related parties ⁽⁴⁾ $5,638$ $ 213,706$ 5000 Other related parties ⁽⁵⁾ $510,255$ $510,255$ $510,255$ $510,255$ Other related parties ⁽⁵⁾ $510,255$ $510,255$ $510,255$ $510,255$ Other function $50,38$ $ 204,415$ $1,080,956$ Other function $50,183$ $ 50,183$ $425,183$ Other $50,183$ $ 50,183$ $ 50,255$ < | | Samsung Electronics Taiwan Co., Ltd. (SET) | 1,268,209 | - | 1,011 | - |
| SEMES Co., Ltd. $2,752$ $ 510,256$ $-$ Samsung Electronics Benelux B.V. (SEBN) $316,092$ $ 221$ $-$ Other $14,177,349$ $6,669$ $3,388,017$ $2,610$ Image Control $52,673,213$ $16,244$ $25,294,767$ $5,191$ Samsung SDS Co.,Ltd. $63,611$ $ 426,809$ $56,161$ Samsung Electro-Mechanics Co., Ltd. $26,334$ $ 224,751$ $-$ Samsung SDI Co., Ltd. $27,414$ $ 84,918$ $8,555$ Cheil Worldwide Inc. $32,883$ $ 213,706$ 500 Other $171,073$ 122 $216,700$ $1,326$ Other related parties ^(*3) Samsung C&T Co., Ltd. $5,638$ $ 25,941$ $1,069,473$ Other related parties ^(*3) Samsung Engineering Co., Ltd. $5,638$ $ 20,415$ $1,080,956$ OtherTotal $132,128$ $ 20,415$ $1,080,956$ OtherTotal $132,128$ $ 10,91,96$ $5,275$ Other $6,100,106$ 855 $ 109,196$ $5,275$ Other $6,100,106$ $5,183$ $ 39,240$ $183,624$ | | Samsung International, Inc. (SII) | 77,033 | 1,753 | 1,621,858 | - |
| $\begin{array}{llllllllllllllllllllllllllllllllllll$ | | Samsung Electronics GmbH (SEG) | 1,095,509 | - | 1,448 | - |
| $\frac{\text{Other}}{\text{I}} + \frac{14,177,349}{1} + \frac{6,469}{3,388,017} + \frac{2,610}{2,294,767} + \frac{2,610}{5,191} + \frac{14,177,349}{5,2673,213} + \frac{2,6294,767}{5,294,767} + \frac{5,191}{5,191} + \frac{5,2673,213}{5,633} + \frac{2,294,767}{5,294,767} + \frac{5,191}{5,634} + \frac{2,224,751}{5,161} + \frac{5,6334}{5,55} + \frac{2,224,751}{5,161} + \frac{5,6334}{5,55} + \frac{2,224,751}{5,161} + \frac{5,638}{5,55} + \frac{2,13,706}{5,00} + \frac{5,638}{5,55} + \frac{2,13,706}{5,55} + \frac{5,638}{5,55} + \frac{2,594,1}{5,638} + \frac{2,594,1}{5,638} + \frac{2,594,1}{5,638} + \frac{2,594,1}{5,658} + \frac{1,66,884}{5,55} + \frac{6,6542}{5,618} + \frac{5,638}{5,55} + \frac{5,638}{5,5$ | | SEMES Co., Ltd. | 2,752 | - | 510,256 | - |
| $\frac{1}{1,000} \frac{1}{1,000} \frac{1}$ | | Samsung Electronics Benelux B.V. (SEBN) | 316,092 | - | 221 | - |
| Samsung SDS Co.,Ltd. 63,611 - 426,809 56,161 Samsung Electro-Mechanics Co., Ltd. 26,334 - 224,751 - Associates and joint ventures Samsung SDI Co., Ltd. 27,414 - 84,918 8,555 Cheil Worldwide Inc. 32,883 - 213,706 500 Other 171,073 122 216,700 1,326 Other related parties ^(*3) Samsung C&T Co., Ltd. 5,638 - 25,941 1,069,473 Other 126,490 - 178,474 11,483 132,128 - 204,415 1,080,956 Other Samsung Engineering Co., Ltd. 97 - 15,634 425,183 Other S-1 Corporation 855 - 109,196 5,275 Other 50,183 - 39,240 183,624 | | Other | 14,177,349 | 6,469 | 3,388,017 | 2,610 |
| Samsung Electro-Mechanics Co., Ltd. $26,334$ - $224,751$ -Associates and joint venturesSamsung SDI Co., Ltd. $27,414$ - $84,918$ $8,555$ Cheil Worldwide Inc. $32,883$ - $213,706$ 500 OtherOther $171,073$ 122 $216,700$ $1,326$ Other related parties(*3)OtherSamsung C&T Co., Ltd. $5,638$ - $25,941$ $1,069,473$ OtherOther $126,490$ - $178,474$ $11,483$ OtherTotal $132,128$ - $204,415$ $1,080,956$ OtherSamsung Engineering Co., Ltd. 97 - $15,634$ $425,183$ OtherS-1 Corporation 855 - $109,196$ $5,275$ OtherOther $50,183$ - $39,240$ $183,624$ | | Total | 52,673,213 | 16,244 | 25,294,767 | 5,191 |
| Associates and joint venturesSamsung SDI Co., Ltd. $27,414$ - $84,918$ $8,555$ Cheil Worldwide Inc. $32,883$ - $213,706$ 500 Other 0 ther $171,073$ 122 $216,700$ $1,326$ Other related parties(*3)Samsung C&T Co., Ltd. $321,315$ 122 $1,166,884$ $66,542$ 0 ther 0 ther $126,490$ - $178,474$ $11,483$ 0 ther $126,490$ - $178,474$ $11,483$ 0 ther $132,128$ - $204,415$ $1,080,956$ 0 ther $5,638$ - $15,634$ $425,183$ 0 ther $6,100$ 97 - $15,634$ $425,183$ 0 ther $50,183$ - $39,240$ $183,624$ | | Samsung SDS Co.,Ltd. | 63,611 | - | 426,809 | 56,161 |
| Associates and joint venturesSamsung SDI Co., Ltd. $27,414$ - $84,918$ $8,555$ Cheil Worldwide Inc. $32,883$ - $213,706$ 500 OtherOther $171,073$ 122 $216,700$ $1,326$ Other related parties ^(*3) Samsung C&T Co., Ltd. $321,315$ 122 $1,166,884$ $66,542$ $106,9473$ $126,490$ - $25,941$ $1,069,473$ OtherOther $126,490$ - $178,474$ $11,483$ $106,9473$ $126,490$ - $204,415$ $1,080,956$ $106,9473$ $132,128$ - $204,415$ $1,080,956$ $106,9473$ $132,128$ - $204,415$ $1,080,956$ $106,9473$ $132,128$ - $204,415$ $1,080,956$ $106,9473$ $132,128$ - $109,196$ $5,275$ $106,9473$ $50,183$ - $109,196$ $5,275$ $106,9473$ $50,183$ - $39,240$ $183,624$ | | Samsung Electro-Mechanics Co., Ltd. | 26,334 | - | 224,751 | - |
| $ \begin{array}{ccccccccccccccccccccccccccccccccccc$ | Associates and | Samsung SDI Co., Ltd. | | - | | 8,555 |
| $\frac{Other}{Other} = \frac{Other}{Total} = \frac{171,073}{321,315} = \frac{122}{122} = \frac{216,700}{1,326} = \frac{1,326}{1,326} = \frac{171,073}{1,326} = \frac{122}{1,166,884} = \frac{1,326}{6,542} = \frac{1,326}{1,326} = 1,$ | | - | | _ | | |
| $\frac{Total}{Samsung C\&T Co., Ltd.} = \frac{5,638}{Other} = \frac{5}{122} = \frac{1,166,884}{1,069,473} = \frac{66,542}{1,069,473}$ $\frac{Samsung C\&T Co., Ltd.}{Other} = \frac{5,638}{126,490} = \frac{5,638}{126,490} = \frac{178,474}{11,483} = \frac{1,166,884}{126,490} = \frac{1,166,884}{1,069,473} = \frac{1,166,884}{1,069,475} = \frac{1,166,884}{1,069,475} = \frac{1,166,884}{1,069$ | 5 | | | 122 | | |
| | | | | | , | |
| Other related parties ^(*3) Other 126,490 - 178,474 11,483 Total 132,128 - 204,415 1,080,956 Samsung Engineering Co., Ltd. 97 - 15,634 425,183 Other S-1 Corporation 855 - 109,196 5,275 Other Other 50,183 - 39,240 183,624 | | | | 122 | | |
| $\frac{126,490}{122,490} = \frac{178,474}{11,483}$ $\frac{11,483}{132,128} = \frac{178,474}{11,483}$ $\frac{11,483}{132,128} = \frac{178,474}{11,483}$ $\frac{11,483}{1,080,956}$ $\frac{126,490}{132,128} = \frac{178,474}{11,483}$ $\frac{11,483}{11,483}$ $\frac{126,490}{132,128} = \frac{178,474}{11,483}$ | | | · · · · · · | - | <i>.</i> | |
| Samsung Engineering Co., Ltd. 97 - 15,634 425,183 Other \$-1 Corporation 855 - 109,196 5,275 Other 50,183 - 39,240 183,624 | | | | - | · · · · · · | |
| S-1 Corporation 855 - 109,196 5,275 Other 50,183 - 39,240 183,624 | | | · · · · · · · · · · · · · · · · · · · | | , | |
| Other 50,183 - 39,240 183,624 | | | | - | · · · · · | |
| Other 50,183 - 39,240 183,624 | Other | S-1 Corporation | | - | | |
| Total 51,135 - 164,070 614,082 | 0.1101 | Other | 50,183 | - | 39,240 | |
| | | Total | 51,135 | - | 164,070 | 614,082 |

(*1) Transactions with separate entities that are related parties of the Company.

(*2) Transactions with the intermediate parent company, Harman International Industries, Inc., and its subsidiaries.

^(*3) Although these entities are not related parties of the Company in accordance with Korean IFRS 1024, they belong to the same large enterprise group in accordance with the Monopoly Regulation and Fair Trade Act.

| | | 2023 | | | |
|---------------------------------------|--|-----------------|--------------------------------------|---------------------|--------------------------------------|
| (In millions of Korean won) | Name of company ^(*1) | Sales and other | Disposal of non-current assets | Purchases and other | Purchase of non-current assets |
| | Samsung Display Co., Ltd. | 70,280 | - | 246,945 | - |
| | Samsung Electronics America, Inc. (SEA) | 7,948,315 | - | 47,891 | - |
| | Samsung Asia Pte. Ltd. (SAPL) | 25 | - | 7,247 | - |
| | Samsung (China) Semiconductor Co., Ltd. (SCS) | 26,771 | 7,746 | 2,568,002 | 4,519 |
| | Harman and its subsidiaries2 | - | - | 16,155 | - |
| | Samsung Electronics Vietnam THAINGUYEN Co., Ltd. (SEVT) | 1,197,919 | - | 5,882,577 | 55 |
| | Samsung (CHINA) Investment Co., Ltd. (SCIC) | 3,396,290 | - | 2,170 | |
| | Samsung Semiconductor, Inc. (SSI) | 4,462,782 | - | 163,588 | - |
| | Samsung Austin Semiconductor LLC. (SAS) | 15 | - | 955,210 | 296 |
| | Samsung Electronics Europe Holding Cooperatief U.A. (SEEH) | - | - | - | - |
| | Samsung Electronics Vietnam Co., Ltd. (SEV) | 752,605 | - | 3,777,503 | 767 |
| | Samsung India Electronics Private Ltd. (SIEL) | 743,963 | - | 1,154,941 | - |
| | Samsung Display Vietnam Co., Ltd. (SDV) | 363,141 | - | - | - |
| Subsidiaries | Samsung Eletronica da Amazonia Ltda. (SEDA) | 368,998 | - | 1,548 | - |
| | Shanghai Samsung Semiconductor Co., Ltd. (SSS) | 2,351,702 | | - | - |
| | Samsung Electronics HCMC CE Complex Co., Ltd. (SEHC) | 116,420 | 1 | 1,227,542 | |
| | Thai Samsung Electronics Co., Ltd. (TSE) | 1,066,940 | - | 576,597 | |
| | Samsung Electronics (UK) Ltd. (SEUK) | 694,744 | - | 28,431 | - |
| | Samsung Electronics Europe Logistics B.V. (SELS) | 1,280,262 | - | 1,682 | - |
| | Samsung International, Inc. (SII) | 68,340 | - | 1,712,017 | - |
| | Samsung Electronics Mexico S.A. De C.V. (SEM) | 661,264 | - | 1,428 | - |
| | Samsung Display Dongguan Co., Ltd. (SDD) | 22,374 | - | - | - |
| | Samsung Electronics GmbH (SEG) | 931,103 | - | 1,690 | |
| 2 | SEMES Co., Ltd. | 3,090 | - | 651,390 | - |
| | Samsung Electronics Benelux B.V. (SEBN) | 967,576 | - | 387 | |
| | Other | 16,044,657 | 372 | 3,331,760 | - |
| | Total | 43,539,576 | 8,119 | 22,356,701 | 5,637 |
| | Samsung SDS Co.,Ltd. | 74,142 | - | 436,230 | 80,134 |
| | Samsung Electro-Mechanics Co., Ltd. | 42,941 | - | 245,333 | - |
| Associates and | Samsung SDI Co., Ltd. | 29,407 | - | 107,443 | 2,072 |
| joint ventures | Cheil Worldwide Inc. | 34,011 | - | 228,990 | 76 |
| | Other | 166,772 | - | 206,284 | 1,811 |
| | Total | 347,273 | - | 1,224,280 | 84,093 |
| Other related parties ^(*3) | Samsung C&T Co., Ltd. | 5,204 | 70 | 12,947 | 726,138 |
| | Other | 127,304 | - | 309,789 | 61,757 |
| | Total | 132,508 | 70 | 322,736 | 787,895 |
| | Samsung Engineering Co., Ltd. | 402 | - | 108 | 306,488 |
| | S-1 Corporation | 1,529 | - | 109,148 | 3,194 |
| Other | Other | 21,933 | - | 66,671 | 44,620 |
| | Total | 23,864 | - | 175,927 | 354,302 |

(*1) Transactions with separate entities that are related parties of the Company.

(*2) Transactions with the intermediate parent company, Harman International Industries, Inc., and its subsidiaries. (*3) Although these entities are not related parties of the Company in accordance with Korean IFRS 1024, they belong to the same large enterprise group in accordance with the Monopoly Regulation and Fair Trade Act.

(C) Balances of receivables and payables

Balances of receivables and payables arising from transactions with related parties as of March 31, 2024 and December 31, 2023 are as follows:

| (In millions of | | March 31, 2024 | | |
|--------------------------------|--|---|---------------------------------------|--|
| (in mittions of Korean won) | Name of company ^(*1) | Receivables and other ^(*2) | Payables and other ^(*3) | |
| | Samsung Display Co., Ltd. | 30,256 | 147,80 | |
| | Samsung Electronics America, Inc. (SEA) | 4,815,874 | 1,139,47 | |
| | Samsung Asia Pte. Ltd. (SAPL) | 162 | 1,08 | |
| | Samsung Austin Semiconductor LLC. (SAS) | 2,915 | 451,22 | |
| | Harman and its subsidiaries (*4) | 1,430 | 3,03 | |
| | Samsung (China) Semiconductor Co., Ltd. (SCS) | 100,920 | 1,138,12 | |
| | Samsung Semiconductor, Inc. (SSI) | 4,916,742 | 273,11 | |
| | Samsung Electronics Vietnam THAINGUYEN Co., Ltd. (SEVT) | 974,522 | 4,366,46 | |
| | Samsung (CHINA) Investment Co., Ltd. (SCIC) | 208,522 | 93 | |
| | Samsung Electronics Europe Holding Cooperatief U.A. (SEEH) | - | | |
| | Samsung India Electronics Private Ltd. (SIEL) | 985,447 | 739,91 | |
| | Samsung Electronics Vietnam Co., Ltd. (SEV) | 558,065 | 1,953,68 | |
| | Shanghai Samsung Semiconductor Co., Ltd. (SSS) | 5,056,951 | 6 | |
| Subsidiaries | Samsung Display Vietnam Co., Ltd. (SDV) | 120,428 | | |
| | Samsung Eletronica da Amazonia Ltda. (SEDA) | 390,429 | 3,76 | |
| | Samsung Electronics HCMC CE Complex Co., Ltd. (SEHC) | 126,802 | 573,36 | |
| | Thai Samsung Electronics Co., Ltd. (TSE) | 202,775 | 213,99 | |
| | Samsung Electronics (UK) Ltd. (SEUK) | 146,851 | 29,46 | |
| | Samsung Electronics Mexico S.A. De C.V. (SEM) | 661,120 | 1,17 | |
| | Samsung Electronics Europe Logistics B.V. (SELS) | 595,687 | 52 | |
| | Samsung Electronics Taiwan Co., Ltd. (SET) | 562,327 | 190,60 | |
| | Samsung International, Inc. (SII) | 116,179 | 322,38 | |
| | Samsung Electronics GmbH (SEG) | 172,873 | 6,41 | |
| | SEMES Co., Ltd. | 82,277 | 883,48 | |
| | Samsung Electronics Benelux B.V. (SEBN) | 63,125 | 2,66 | |
| | Other | 7,801,623 | 1,814,74 | |
| | Total | 28,694,302 | 14,257,50 | |
| | Samsung SDS Co., Ltd. | 86,564 | 473,88 | |
| | Samsung Electro-Mechanics Co., Ltd. | 20,645 | 146,84 | |
| Associates and | Samsung SDI Co., Ltd. | 127,023 | 59,43 | |
| joint ventures | Cheil Worldwide Inc. | 32,251 | 312,97 | |
| | Other | 154,732 | 149,67 | |
| | Total | 421,215 | 1,142,81 | |
| Other related parties | Samsung C&T Corporation | 187,188 | 863,15 | |
| | Other | 17,078 | 162,25 | |
| | Total | 204,266 | 1,025,41 | |
| | Samsung Engineering Co., Ltd. | 107 | 297,42 | |
| Q.1. (*5) | S-1 Corporation | 829 | 40,58 | |
| Other ^(*5) | Other | 3,596 | 362,90 | |
| | Total | 4,532 | 700,91 | |

^(*1) Transactions with separate entities that are related parties of the Company.

(*2) The Company has not recognized bad debt allowance in relation to the receivables due from subsidiaries as of March 31, 2024.

^(*3) Payables and others include lease liabilities.

(*4) Transactions with the intermediate parent company, Harman International Industries, Inc., and its subsidiaries. (*5) Although these entities are not related parties of the Company in accordance with Korean IFRS 1024, they belong to the same large enterprise group in accordance with the Monopoly Regulation and Fair Trade Act.

| /T •11• C | | December 31, 2023 | |
|--------------------------------|--|---------------------------------------|---------------------------------------|
| (In millions of Korean won) | Name of company ^(*1) | Receivables and other ^(*2) | Payables and other ^(*3) |
| | Samsung Display Co., Ltd. | 74,259 | 196,686 |
| | Samsung Electronics America, Inc. (SEA) | 3,841,560 | 1,119,907 |
| | Samsung Asia Pte. Ltd. (SAPL) | 2,091 | 1,147 |
| | Harman and its subsidiaries (*4) | 5,179 | 9,659 |
| | Samsung Austin Semiconductor LLC. (SAS) | 9,575 | 303,203 |
| | Samsung (China) Semiconductor Co., Ltd. (SCS) | 68,251 | 687,410 |
| | Samsung Semiconductor, Inc. (SSI) | 5,271,414 | 209,789 |
| | Samsung Electronics Vietnam THAINGUYEN Co., Ltd. (SEVT) | 925,410 | 2,324,691 |
| | Samsung (CHINA) Investment Co., Ltd. (SCIC) | 181,785 | 201,966 |
| | Samsung Electronics Europe Holding Cooperatief U.A. (SEEH) | 2,760 | - |
| | Samsung India Electronics Private Ltd. (SIEL) | 922,630 | 297,628 |
| | Samsung Display Vietnam Co., Ltd. (SDV) | 90,305 | 46 |
| | Samsung Electronics Vietnam Co., Ltd. (SEV) | 502,410 | 1,377,493 |
| Subsidiaries | Samsung Eletronica da Amazonia Ltda. (SEDA) | 256,936 | 1,226 |
| | Shanghai Samsung Semiconductor Co., Ltd. (SSS) | 3,906,968 | 281 |
| | Samsung Electronics HCMC CE Complex Co., Ltd. (SEHC) | 148,857 | 367,007 |
| | Thai Samsung Electronics Co., Ltd. (TSE) | 280,682 | 267,659 |
| | Samsung Electronics (UK) Ltd. (SEUK) | 64,642 | 40,118 |
| | SEMES Co., Ltd. | 68,340 | 917,707 |
| | Samsung Electronics Mexico S.A. De C.V. (SEM) | 252,813 | 2,021 |
| | Samsung Electronics GmbH (SEG) | 72,258 | 4,448 |
| | Samsung International, Inc. (SII) | 129,178 | 54,694 |
| | Samsung Electronics Taiwan Co., Ltd. (SET) | 362,737 | 87,718 |
| | Samsung Electronics Benelux B.V. (SEBN) | 52,172 | 6,266 |
| | Samsung Electronics Europe Logistics B.V. (SELS) | 413,581 | 415 |
| | Other | 6,556,255 | 2,607,878 |
| | Total | 24,463,048 | 11,087,063 |
| | Samsung SDS Co., Ltd. | 84,541 | 418,787 |
| | Samsung Electro-Mechanics Co., Ltd. | 1,857 | 86,166 |
| Associates and | Samsung SDI Co., Ltd. | 114,103 | 50,149 |
| joint ventures | Cheil Worldwide Inc. | 51 | 429,435 |
| | Other | 164,058 | 183,813 |
| | Total | 364,610 | 1,168,350 |
| Other related parties | Samsung C&T Corporation | 190,443 | 1,876,745 |
| | Other | 13,835 | 149,585 |
| | Total | 204,278 | 2,026,330 |
| | Samsung Engineering Co., Ltd. | 269 | 766,329 |
| a. (*5) | S-1 Corporation | 598 | 39,223 |
| Other ^(*5) | Other | 4,342 | 265,721 |
| | Total | 5,209 | 1,071,273 |

(*1) Transactions with separate entities that are related parties of the Company.

(*2) The Company has not recognized bad debt allowance in relation to the receivables due from subsidiaries as of December 31, 2023.

^(*3) Payables and others include lease liabilities.

(*4) Transactions with the intermediate parent company, Harman International Industries, Inc., and its subsidiaries.

(*5) Although these entities are not related parties of the Company in accordance with Korean IFRS 1024, they belong to the same large enterprise group in accordance with the Monopoly Regulation and Fair Trade Act.

(D) For the three-month period ended March 31, 2024 and 2023, the Company had no lending to its subsidiaries but had borrowing from its subsidiaries amounting to W 0 million and W 10,000,000 million, respectively. In addition, the Company had no lending to or borrowing from associates and joint ventures during the three-month periods ended March 31, 2024

and 2023.

- (E) For the three-month periods ended March 31, 2024 and 2023, the Company invested ¥ 3,592 million and ¥ 6,372 million, respectively, in subsidiaries, and has made capital recovery of ¥ 115,776 million and ¥ 107,217 million from its investments in subsidiaries, respectively. In addition, the Company invested ¥ 0 million and ¥ 58,982 million in associates and joint ventures and has made a recovery of ¥ 0 million and ¥ 518 million from its investments in associates and joint ventures for the three-month periods ended March 31, 2024 and 2023, respectively.
- (F) For the three-month periods ended March 31, 2024 and 2023, the Company declared dividends of W 412,172 million and W 412,942 million, respectively, to related parties. As of March 31, 2024, the dividends payable to related parties amount to W 412,172 million. In addition, for the three-month periods ended March 31, 2024 and 2023, the Company declared dividends of W 32,058 million and W 32,058 million, respectively, to the entities that are not related parties of the Company in accordance with Korean IFRS 1024, but belong to the same conglomerate according to the entities belong to the same conglomerate according to the entities belong to the same conglomerate according to the Monopoly Regulation and Fair Trade Act.
- (G) For the three-month periods ended March 31, 2024 and 2023, the Company entered into lease agreements with its related parties amounting to Ψ 16,025 million and Ψ 0 million, respectively, and the lease payments made to the related parties are Ψ 16,006 million and Ψ 6,313 million, respectively.
- (H) As of March 31, 2024, the Company provides guarantees in relation to borrowings of the related parties (refer to Note 13)
- (I) Key management compensation

The compensation paid or payable to key management (executive directors) for their services for the three-month periods ended March 31, 2024 and 2023 consists of:

| (In millions of Korean won) | 2024 | 2023 |
|-----------------------------------|-------|-------|
| Short-term employee benefits | 3,017 | 3,330 |
| Post-employment benefits | 175 | 139 |
| Other long-term employee benefits | 2,289 | 1,959 |

6. Dividends

We continue to work to enhance shareholder value alongside our efforts to strengthen competitiveness of our products and businesses. Based on the previous shareholder return policy covering FY2021 to FY2023, we distributed an annual return of

9.8 trillion won in regular dividends as a part of a total return of 50% of free cash flow. In January 2024, we announced our shareholder return policy for FY2024 to FY2026, which maintains the terms of the previous shareholder return policy: Samsung Electronics will pay an annual regular dividend of 9.8 trillion won as a part of total shareholder returns of 50% of the free cash flow for the period covering FY2024 to FY2026. At the close of each year, we will consider executing an early return of capital beyond regular dividends if we forecast there is potential for a significant surplus. Furthermore, the Company will consider implementing a new policy flexibly before the expiration of the policy for FY2024 to FY2026 in consideration of M&A activities and cash positions.

| Classification | | 1Q24 | 2023 | 2022 |
|---------------------------------------|-----------|-----------|------------|------------|
| Par value per share (| KRW) | 100 | 100 | 100 |
| Consolidated net profit ¹⁾ | (KRW mil) | 6,621,030 | 14,473,401 | 54,730,018 |
| Separate net profit (KF | RW mil) | 9,737,437 | 25,397,099 | 25,418,778 |
| EPS ²⁾ (KRW) | | 975 | 2,131 | 8,057 |
| Total cash dividend (Kl | RW mil) | 2,452,154 | 9,809,438 | 9,809,438 |
| Total stock dividend (K | RW mil) | - | - | - |
| Dividend payout rati | 0 (%) | 37.0 | 67.8 | 17.9 |
| | Common | 0.5 | 1.9 | 2.5 |
| Cash dividend yield (%) | Preferred | 0.5 | 2.4 | 2.7 |
| Ctool dividend viold (0/) | Common | - | - | - |
| Stock dividend yield (%) | Preferred | - | - | - |
| Cook dividend per share (KDW) | Common | 361 | 1,444 | 1,444 |
| Cash dividend per share (KRW) | Preferred | 361 | 1,445 | 1,445 |
| Stock dividend per share (chare) | Common | - | - | - |
| Stock dividend per share (share) | Preferred | - | - | - |

Dividends were KRW 2,452,154 million (KRW 361 per share) in the first quarter of 2024 and in the first three quarters of 2022 and 2023. For further information relating to total cash dividend, refer to retained earnings in $\[^{\circ}3$. Note to Consolidated Financial Statements in $\[^{\circ}III$. Financial Affairs . 1) Equity attributable to owners of the parent.

2) Basic earnings per common share on a consolidated basis. For further information relating to the calculation of basic EPS, see Earnings Per Share in 3 Note to Consolidated Financial Statements in "III. Financial Affairs."

The history of dividend payouts is as follows:

| Number of continuo | us dividend payments | Average dividend yield | | |
|------------------------------|----------------------|------------------------|--------------|--|
| Quarterly/biannual dividends | End-year dividends | Past 3 years | Past 5 years | |
| 39 | 43 | 2.1% | 2.5% | |

The number of continuous dividend payments includes the quarterly dividend for the quarter and the end-year dividend for the recent business year. Continuous payment of the end-year dividend started in 1981, biannual dividend in 1999, and quarterly dividend in 2017.

The average dividend yield is based on common shares. The average dividend yield of preferred shares for the past 3 years and past 5 years are 2.4% and 2.9% respectively.

The "past 3 years" refers to the period from 2021 through 2023, and the "past 5 years" refers to the period from 2019 through 2023. For the dividend yield of 1Q24, please refer to the table [Key dividend indices] above (common shares at 0.5%, preferred shares at 0.5%).

7. Matters about financing through the issuance of securities

7-1 Financing through the issuance of securities
[Issuance of equity securities]
N/A
[Issuance of debt securities]
A. List of issued debt securities

(As of March 31, 2024)

(KRW mil, %)

| Issuing company | Type of securities | lssuance method | Date of Issuance | Total nominal amount | Interest rate | Rating (rating institution) | Maturity date | Payment status | Management company |
|--------------------------------------|--------------------|--------------------|---------------------|----------------------------|------------------|-----------------------------------|------------------|--------------------|-----------------------|
| Samsung Electronics | Corporate bonds | Public offering | Oct 2,1997 | 134,680 | 7.7 | Aa2(Moody's), AA-(S&P) | Oct 1, 2027 | Partial redemption | Goldman Sachs et al. |
| Harman International Industries, Inc | Corporate bonds | Public offering | May 11, 2015 | 538,720 | 4.2 | A (S&P) | May 15, 2025 | Unredeemed | J.P.Morgan et al. |
| Total | - | - | - | 673,400 | - | - | - | - | - |

B. Commercial Paper Unredeemed Balance

(Reporting Date: March 31, 2024)

(KRW mil)

| Matur | ity | Under 10 days | Above 10 days / under 30 days | Above 30 days / under 90 days | Above 90 days / under 180 days | Above 180 days / under 1 year | Above 1 year / under 2 years | Above 2 years / under 3 years | Above 3 years | Total |
|--------------------|---------|------------------|-------------------------------------|-------------------------------------|--------------------------------------|-------------------------------------|------------------------------------|-------------------------------------|------------------|-------|
| | Public | - | - | - | - | - | - | - | - | - |
| Unredeemed balance | Private | - | - | - | - | - | - | - | - | - |
| | Total | - | - | - | - | - | - | - | - | - |

C. Short-term Bond Unredeemed Balance

Not Applicable

(Reporting Date: March 31, 2024)

(KRW mil)

| Matur | ity | Under 10 days | Above 10 days / under 30 days | Above 30 days / under 90 days | Above 90 days / under 180 days | Above 180 days / under 1 year | Total | Issue limit | Balance limit |
|--------------------|---------|---------------|----------------------------------|----------------------------------|--------------------------------------|-------------------------------------|-------|-------------|---------------|
| | Public | - | - | . - | - | - | - | - | - |
| Unredeemed balance | Private | - | - | - | - | - | - | - | - |
| | Total | - | - | - | - | - | - | - | - |

D. Corporate Bond Unredeemed Balance

(Reporting Date: March 31, 2024)

Above 5 years Above 2 years Above 4 years Above 1 year Above 3 years Above 10 years Maturity Under 1 year / under 10 Total / under 2 years / under 3 years / under 4 years / under 5 years years Public 6,734 545,454 6,734 6,734 565,656 Unredeemed Private balance 545,454 6,734 Total 6,734 6,734 565,656

* Based on consolidated financial statements

* The exchange rate as of the reporting date has been applied.

- Corporate Bond Unredeemed Balance (Samsung Electronics)

(Reporting Date: March 31, 2024)

| Maturit | у | Under 1 year | Above 1 year / under 2 years | Above 2 years / under 3 years | Above 3 years / under 4 years | Above 4 years / under 5 years | Above 5 years / under 10 years | Above 10 years | Total |
|------------|--------|--------------|---------------------------------|----------------------------------|----------------------------------|----------------------------------|--------------------------------------|----------------|--------|
| Unredeemed | Public | 6,734 | 6,734 | 6,734 | 6,734 | - | - | - | 26,936 |
| balance | Total | 6,734 | 6,734 | 6,734 | 6,734 | - | - | - | 26,936 |

* The exchange rate as of the reporting date has been applied.

- Corporate Bond Unredeemed Balance (Harman)

(Reporting Date: March 31, 2024)

Total

Maturity

Unredeemed

balance

| / | Under 1 year | | Above 2 years / under 3 years | | | Above 5 years / under 10 years | Above 10 years |
|--------|--------------|---------|----------------------------------|---|---|--------------------------------------|----------------|
| Public | - | 538,720 | - | - | - | - | - |

* The exchange rate as of the reporting date has been applied.

538,720

(KRW mil)

(KRW mil)

(KRW mil)

Total

538,720

538,720

E. Hybrid Bond Unredeemed Balance

Not Applicable

(Reporting Date: March 31, 2024)

(KRW mil)

| Maturi | ity | Under 1 year | Above 1 year / under 5 years | Above 5 years / under 10 years | Above 10 years / under 15 years | Above 15 years / under 20 years | Above 20 years / under 30 years | Above 30 years | Total |
|------------------------|---------|--------------|---------------------------------|--------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|----------------|-------|
| | Public | - | - | - | - | - | - | - | - |
| Unredeeme d balance | Private | - | - | - | - | - | - | - | - |
| | Total | - | - | - | - | - | - | - | - |

F. Contingent Convertible Bond Unredeemed Balance

Not Applicable

(Reporting Date: March 31, 2024)

(KRW mil)

| Matur | ity | Under 1 year | Above 1 year / under 2 years | Above 2 years / under 3 years | Above 3 years / under 4 years | Above 4 years / under 5 years | Above 5 years / under 10 years | Above 10 years / under 20 years | Above 20 years / under 30 years | Above 30 years | Total |
|------------------------|---------|--------------|------------------------------------|--|--|--|--------------------------------------|---------------------------------------|---------------------------------------|-------------------|-------|
| | Public | - | - | - | - | - | - | - | - | - | - |
| Unredeeme d balance | Private | - | - | - | - | - | - | - | - | - | - |
| | Total | - | - | - | - | - | - | - | - | - | - |

G. Details and Compliance of the Bond Management Contract (Samsung Electronics)

(Reporting Date: March 31, 2024)

(KRW mil, %)

| Name of security | Date of issuance | Maturity date | Issued amount | Settlement date of bond management contract | Debenture management company |
|------------------------------------|------------------|---------------|---------------|---|--|
| US\$ 100,000,000 7.7% debenture | Oct 2, 1997 | Oct 1, 2027 | 134,680 | Oct 2, 1997 | The Bank of New York Mellon Trust Company, N.A. |

(Reporting Date: March 31, 2024)

| Financial action | Contract details | Not applicable |
|-------------------------------------|-----------------------|--|
| Financial ratios | Implementation status | Not applicable |
| Constraint on collateral | Contract details | Less than 10% of net tangible assets |
| Constraint on conateral | Implementation status | Compliant (there is no collateral for the relevant assets) |
| Constraint on disposal of assets | Contract details | Certain requirements, such as transfer of obligations on the bond, must be satisfied to dispose all or most of an asset |
| | Implementation status | Compliant (disposed assets accounted for 0.0% of the total assets during 2024 1Q) |
| Constraint en severnence | Contract Details | Not applicable |
| Constraint on governance | Implementation status | Not applicable |
| Submission of implementation report | Implementation status | Not applicable |

* The exchange rate as of the base date has been applied.

* The date of the bond management contract was signed on the same day as the Fiscal Agency Agreement; accordingly, the Bank of New York Mellon Trust

Company, N.A. is under the authority of the Fiscal Agent.

- * The net tangible assets subjected to the limitation of collaterals are production facilities and stocks owned by the Company.
- * Implementation status base date is the most recent reporting date of financial statements on which external auditor's opinion has been expressed.
- * The constraint on governance is as of the reporting date.

7-2 Use of funds financed through the issuance of securities

Not applicable

8. Other financial information

A. Restatement of financial statements and other matters to note

(1) Restatement of financial statements: Not Applicable

(2) Acquisition, divestment, asset sales, and sale of business

[Equity Acquisition of eMagin Corporation]

On October 18, 2023, Samsung Display America Holdings, Inc.(SDAH), the company's subsidiary, acquired 100% ownership of eMagin Corporation (CEO: Andrew Sculley, Location: New York, USA) to secure technological competitiveness in micodisplay field.

[Equity Sale of DOWOOINSYS]

On January 31, 2024, Samsung Diplay Co., Ltd., the company's subsidiary, sold 56.8% of equity stake in DOWOOINSYS among total 69.0% stake held by Samsung Venture Investment Co. No. 29 and No.48 to three companies including Newpower Co., Ltd., to focus its capabiliites on main business and R&D amid increasingly intensified competition in OLED industry.

(3) Information on the accounting treatment of the sales of assets related to asset backed securities and contingent liabilities

Accounting Treatment of the sale of assets related to asset backed securities:

- Not applicable

Litigation

The Company is involved in various claims, disputes, and investigations conducted by regulatory bodies, which arose during the normal course of business with numerous entities. Although the outflow of resources and timing of these matters are uncertain, as of the reporting date, the Company believes the outcome will not have a material impact on the financial position of the Company.

Debt guarantee

- Domestic: Not applicable

- Overseas:

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(USD thousand)
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| | | | Guarantee | | Transactions | | Limit of |
|--|--------------|----------------------|------------------|------------------------|-----------------------|------------------|--------------------|
| Company | Relationship | Creditor | Expiry date | Beginning of period | Increase/ decrease | End of period | Limit of guarantee |
| SEA | Subsidiary | BOA etc. | Dec 16, 2024 | - | - | - | 1,278,000 |
| SEM | Subsidiary | BBVA etc. | Mar 27, 2025 | - | - | - | 715,000 |
| SAMCOL | Subsidiary | Citibank etc. | Dec 16, 2024 | - | - | - | 210,000 |
| SEDA | Subsidiary | BRADESCO etc. | Dec 16, 2024 | - | 207 | 207 | 329,000 |
| SECH | Subsidiary | Citibank etc. | Dec 16, 2024 | - | - | - | 62,000 |
| SEPR | Subsidiary | BBVA etc. | Dec 16, 2024 | - | - | - | 150,000 |
| SSA | Subsidiary | SCB etc. | Dec 16, 2024 | - | 36,010 | 36.010 | 318,000 |
| SEMAG | Subsidiary | SocGen etc. | Dec 16, 2024 | 8,065 | △8,065 | - | 96,000 |
| SETK | Subsidiary | BNP etc. | Dec 16, 2024 | 320,893 | 64,001 | 384,894 | 917,000 |
| SETK-P | Subsidiary | BNP etc. | Dec 16, 2024 | - | - | | 70,000 |
| SECE | Subsidiary | Citibank | Dec 16, 2024 | - | - | - | 114,000 |
| SEEG | Subsidiary | HSBC | Jun 13, 2024 | - | - | - | 85,000 |
| SEIN | Subsidiary | BNP etc. | Nov 08, 2024 | - | - | - | 70,000 |
| SJC | Subsidiary | Mizuho Bank etc. | Dec 16, 2024 | - | - | - | 817,268 |
| SEUC | Subsidiary | Credit Agricole etc. | Dec 16, 2024 | - | - | - | 125,000 |
| SEDAM | Subsidiary | Citibank etc. | Dec 16, 2024 | - | - | - | 537,000 |
| SECA | Subsidiary | BoA | Nov 08, 2024 | - | , _ | - | 70.000 |
| SELA | Subsidiary | Citibank | Dec 16, 2024 | - | _ | - | 60,000 |
| SEEH | Subsidiary | HSBC etc. | Dec 16, 2024 | - | - | - | 888,400 |
| SELV | Subsidiary | Citibank | Dec 16, 2024 | - | - | - | 10.000 |
| SEIL | Subsidiary | Citibank | Dec 16, 2024 | - | - | - | 15,600 |
| SAPL | Subsidiary | BOA etc. | Dec 16, 2024 | - | - | - | 404,000 |
| SAVINA | Subsidiary | HSBC | Jun 13, 2024 | - | - | - | 51,000 |
| SCIC | Subsidiary | HSBC etc. | Dec 16, 2024 | | | | 270,000 |
| SESP | Subsidiary | SCB | Nov 08, 2024 | | | | 30,000 |
| SME | Subsidiary | SCB | Nov 08, 2024 | - | - | - | 110,000 |
| SAMEX | Subsidiary | Citibank | Dec 16, 2024 | - | | | 5,000 |
| SEASA | Subsidiary | Citibank | Dec 16, 2024 | - | | | 2,000 |
| SSAP | Subsidiary | SCB | Nov 08, 2024 | | - | | 35,000 |
| SEPM | Subsidiary | HSBC | Jun 13, 2024 | | | | 35,000 |
| SESAR | Subsidiary | HSBC | Jun 13, 2024 | - | - | - | 20,000 |
| SEUZ | Subsidiary | Citibank | Dec 16, 2024 | - | - | | 10,000 |
| AdGear Technologies Inc. | Subsidiary | BOA | Nov 08, 2024 | - | - | - | 2,000 |
| Harman International Industries, Inc. | Subsidiary | JP Morgan | Jun 13, 2024 | - | - | - | 100,000 |
| Harman International Japan Co., Ltd. | Subsidiary | MUFG | Nov 08, 2024 | - | - | - | 1 |
| Harman Holding Limited | , | HSBC . | Jun 13, 2024 | | | | 25,000 30,000 |
| | Subsidiary. | | Juli 13, 2024 | - | - | - | 30,000 |
| Harman do Brasil Industria Eletronica e Participacoes Ltda. Harman da Amazonia Industria Eletronica e Participacoes Ltda. | Subsidiary | SocGen | Nov 08, 2024 | - | - | - | 15,000 |
| | Cubaidian | HSBC | Jun 13, 2024 | | | | 20.000 |
| Harman International Industries Limited | Subsidiary | | Feb 19, 2024 | - | - | - | 30,000 |
| SDN | Subsidiary | SIEL | The date of debt | 510,977 | ∆1,336 | 509,641 | 599,578 |
| SAS | Subsidiary | Epcor | expiration | - | - | - | 340,000 |
| Total | | | | 839,935 | 90,817 | 930,752 | 9,050,846 |

% On a consolidated basis. Debt guarantees for SDN are provided by Samsung Display Co., Ltd. and SAS by SEA, respectively.

※ SEC requires Board approval for individual guarantees exceeding 2.5% of total equity. When the guarantee amount is between 0.1% and/or less than 2.5%, the approval decision is delegated to the Management Committee. Samsung Display Co., Ltd requires Board approval for individual guarantees over KRW 10,000 million.

 SEC claims fees on the debt guarantees depending on the maturity date of each debt guarantee, general loan interest rate, etc. In 2023, the Company claimed approximately USD 2,141,000 in guarantee fees and collected the amount in 2024. In 2023, Samsung Display Co., Ltd. claimed approximately USD 3,066,000 in guarantee fees to SDN and collected the amount in 2024. Refer to the notes to the consolidated financial statements for the information on contingent liabilities. (4) Other matters requiring attention in relation to the use of the financial statements

| Period | Emphasis of matter | Key audit matter |
|--------|--------------------|--|
| 1Q24 | Not applicable | Not applicable |
| 2023 | Not applicable | (Consolidated financial statement) 1. Valuation of memory semiconductor inventory at net realizable value 2. Accuracy and completeness of sales deduction related to sales promotion activities of products (Separate financial statement) 1. Valuation of memory semiconductor inventory at net realizable value 2. Accuracy and completeness of sales deduction related to sales promotion activities of products |
| 2022 | Not applicable | (Consolidated financial statement) 1. Sales deduction related to sales promotion activities of products (Separate financial statement) 1. Sales deduction related to sales promotion activities of products |

A. Emphasis of matter and key audit matter in Independent auditor's report

B. Allowance for bad debt

The allowances for bad debt by account over the past 3 years are as follows:

| | | | | (KRW mil, %) |
|---------|-------------------------------|--------------------|------------------|--------------|
| Period | Account | Receivables amount | Allowance amount | Allowance |
| 2 | Trade receivables | 41,471,936 | 326,545 | 0.8% |
| | Short-term loans | 21,824 | 202 | 0.9% |
| | Other receivables | 7,504,353 | 83,023 | 1.1% |
| | Advances | 1,155,479 | 3,402 | 0.3% |
| 1Q24 | Trade receivables (long-term) | 25,255 | - | 0.0% |
| | Other receivables (long-term) | 860,953 | 203 | 0.0% |
| | Advances (long-term) | 5,326,197 | 8,558 | 0.2% |
| | Long-term loans | 246,295 | 82,413 | 33.5% |
| | Total | 56,612,292 | 504,346 | 0.9% |
| | Trade receivables | 37,002,849 | 355,456 | 1.0% |
| | Short-term loans | 21,279 | 204 | 1.0% |
| | Other receivables | 6,715,263 | 82,015 | 1.2% |
| • • • • | Advances | 994,525 | 3,316 | 0.3% |
| 2023 | Trade receivables (long-term) | 23,889 | - | 0.0% |
| | Other receivables (long-term) | 759,704 | 209 | 0.0% |
| | Advances (long-term) | 4,964,481 | 9,255 | 0.2% |
| | Long-term loans | 239,149 | 77,608 | 32.5% |

| Period | Account | Receivables amount | Allowance amount | Allowance |
|--------|-------------------------------|--------------------|------------------|-----------|
| | Total | 50,721,139 | 528,063 | 1.0% |
| | Trade receivables | 36,033,784 | 312,221 | 0.9% |
| | Short-term loans | 22,403 | 215 | 1.0% |
| | Other receivables | 6,227,068 | 77,859 | 1.3% |
| | Advances | 1,741,031 | 3,965 | 0.2% |
| 2022 | Trade receivables (long-term) | 204,248 | - | 0.0% |
| | Other receivables (long-term) | 824,468 | 242 | 0.0% |
| | Advances (long-term) | 2,382,711 | 10,969 | 0.5% |
| | Long-term loans | 225,983 | 1,206 | 0.5% |
| | Total | 47,661,696 | 406,677 | 0.9% |

※ Based on consolidated financial statements
※ Receivables amount represents the value after deducting present value discount.

Allowance for bad debt by year

(KRW mil)

| | 1Q24 | 2023 | 2022 |
|--|---------|---------|---------|
| 1. Allowance for bad debt (beginning balance) | 528,063 | 406,677 | 397,525 |
| 2. Net bad debt expense $(1-2+3)$ | △8,555 | 14,647 | 16,658 |
| ① Bad debt expense, etc (Write-off) | 444 | 19,179 | 9,711 |
| ② Bad debt recovered | - | 4 | - |
| ③ Others | △8,999 | △ 4,528 | 6,947 |
| 3. Bad debts expense | ∆32,272 | 136,033 | 25,810 |
| 4. Allowance for bad debts (Ending balance) | 504,346 | 528,063 | 406,677 |

* Based on consolidated financial statements.

The guideline for bad debt allowances for trade receivables

- (1) Calculation of bad debt allowance
 - Bad debt allowance is calculated using an expected credit loss impairment model which is based on write-off experience r ate and future expected bad debt amount.

(2) Calculation basis of write-off experience rate and future expected bad debt:

- Write-off experience rate for each aging group of receivables is calculated based on the actual rate of credit losses to threeyear average receivables balance.
- Future expected bad debt is determined taking into consideration cases of debtor bankruptcy, compulsory execution, death, disappearance, credit information of debtor and forward-looking information.

[Bad debt allowance by circumstance]

| Circumstance | Rate of allowance |
|---|-------------------|
| Dispute or conflict | 25% |
| Receivable through utilization of third party collection agency | 50% |
| Receivable under litigation | 75% |
| Customer filed or in the process of filing bankruptcy | 100% |

(3) Instruction: Write-off is recorded when trade receivables contain the following characteristics:

- Objective proof of bad debts, such as bankruptcy, compulsory execution, discontinuance of business, debtor's death or disappearance
- Legal action has failed or the right of collection has been extinguished.
- When the third party collection agency notifies that collection is not possible.
- When the collateral is sold or insurance is received.
- When collection expense exceeds receivables amount.

The outstanding period of trade receivables

(Reporting Date: March 31, 2024)

(KRW mil, %)

| | Less than 6 months | 6 months ~ 1 year | 1 year ~ 3 years | More than 3 years | Total |
|--------|-----------------------|----------------------|---------------------|----------------------|------------|
| Amount | 41,273,424 | 22,588 | 94,751 | 106,428 | 41,497,191 |
| Ratio | 99.4% | 0.1% | 0.2% | 0.3% | 100.0% |

X Base on consolidated financial statements

X Receivables amount represents the value after deducting present value discount.

C. Inventory

- The inventory status by Division over the last three years is as follows:

(KRW mil, %)

| Division | Category | 1Q24 | 2023 | 2022 | Note |
|---------------------|---|------------|------------|------------|------|
| | Finished goods | 6,864,708 | 7,229,898 | 7,712,885 | |
| | Work in process | 821,978 | 967,513 | 1,013,606 | |
| DX | Raw material | 10,422,836 | 9,608,619 | 10,520,293 | |
| | Material in transit | 938,329 | 1,014,420 | 943,322 | |
| | Total | 19,047,851 | 18,820,450 | 20,190,106 | |
| | Finished goods | 6,470,099 | 6,476,768 | 6,601,087 | |
| | Work in process | 21,619,837 | 20,961,730 | 18,756,104 | |
| DS | Raw material | 3,806,704 | 3,484,046 | 3,639,061 | |
| | Material in transit | 135,218 | 76,226 | 61,352 | |
| | Total | 32,031,858 | 30,998,770 | 29,057,604 | |
| | Finished goods | 296,964 | 284,394 | 811,518 | |
| | Work in process | 433,999 | 296,788 | 542,473 | |
| SDC | Raw material | 692,591 | 564,573 | 788,521 | |
| | Material in transit | 12,658 | 6,509 | 23,626 | |
| | Total | 1,436,212 | 1,152,264 | 2,166,138 | |
| | Finished goods | 760,507 | 725,484 | 799,919 | |
| | Work in process | 107,752 | 104,514 | 119,890 | |
| Harman | Raw material | 725,525 | 700,011 | 913,085 | |
| | Material in transit | 426,330 | 319,785 | 269,715 | |
| | Total | 2,020,114 | 1,849,794 | 2,102,609 | |
| > | Finished goods | 14,347,406 | 14,553,014 | 16,032,226 | |
| | Work in process | 22,806,509 | 22,198,448 | 20,077,519 | |
| Total | Raw material | 14,775,429 | 13,697,354 | 14,979,280 | |
| | Material in transit | 1,418,356 | 1,177,058 | 1,098,841 | |
| | Total | 53,347,700 | 51,625,874 | 52,187,866 | |
| | tory ratio (%) Total Assets] × 100 | 11.3% | 11.3% | 11.6% | |
| [Yearly COGS ÷ {(E | ory turnover (x) Beginning inventory + Ending entory)+2}] | 3.5 | 3.5 | 4.1 | |

* Based on consolidated financial statements

Inventory counts

- (1) Inspection date
- End of May and November (twice a year)
- For the difference between the inspection date and year-end, the Company verifies receiving and shipping of inventory during the period thereby confirming existence of inventory on the reporting date.

(2) Inspection method

- · Internal warehouse: Closed & entire quantity inspection
- * Sample tests on semi-conductor and display panel in the production lines and SVC materials in automated warehouses
- · Outside warehouse

Conduct both sample tests and total inspections on third-party inventory and inventory-in-transit by requiring their custodians to submit confirmation documents

• External auditors join and observe the inspection and carry out sample tests to confirm the existence and completeness.

Inventory aging and valuation

Inventory is recognized at the lower of cost or net realizable value. Inventory as of March 31, 2024 are as follows:

| | | | | (KRW mil) |
|---------------------|---------------------|--------------------------------|------------|-----------|
| Category | Acquisition cost | Inventory valuation reserve | Balance | Note |
| Finished goods | 15,448,722 | △1,101,316 | 14,347,406 | |
| Work in process | 25,366,463 | △2,559,954 | 22,806,509 | |
| Raw material | 16,640,738 | △1,865,309 | 14,775,429 | |
| Material in transit | 1,418,356 | - | 1,418,356 | |
| Total | 58,874,279 | △5,526,579 | 53,347,700 | |

* Based on consolidated financial statements

D. Fair value estimation

IV. Management Discussion and Analysis

Pursuant to the reporting guidelines set forth by the *Financial Supervisory Service* of the Republic of Korea, the Management Discussion and Analysis section, reported in the full-year business report, is not included in the 1Q, half-year, and 3Q reports.

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V. Auditor's Report

1. Introduction

Samjong KPMG conducted audit on the consolidated/separate financial statements of the Company for the year ended December 31, 2023 and review for the period ended March 31, 2024. The company received an unqualified opinion for the year 2023, and the financial statements for the the period ended March 31, 2024 are presented fairly, in all material respects, in accordance with Korean IFRS 1034 Interim Financial Reporting.

Deloitte Anjin conducted audit on the consolidated/separate financial statements of the Company for the year ended December 31, 2022 and expressed an unqualified opinion.

All of the Company's subsidiaries received unqualified opinions for the disclosure periods.

| Period end | Company Auditor | Audit Opinion | Emphasis of Matter | Key Audit Matter(s) |
|--------------|-----------------|----------------|-----------------------|---|
| Mar 31, 2024 | Samjong KPMG | Not applicable | Not applicable | Not applicable |
| Dec 31, 2023 | Samjong KPMG | Unqualified | Not applicable | (Consolidated) 1. Valuation of memory semiconductor inventory at net realizable value 2. Accuracy and completeness of sales deduction related to sales promotion activities of products (Separate) 1. Valuation of memory semiconductor inventory at net realizable value 2. Accuracy and completeness of sales deduction related to sales promotion activities of products |
| Dec 31, 2022 | Deloitte Anjin | Unqualified | Not applicable | (Consolidated) 1. Sales deduction related to sales promotion activities of products (Separate) 1. Sales deduction related to sales promotion activities of products |

* Audit opinion on both separate and consolidated financial statements.

[Audit Contract Description]

(KRW mil)

| | | | | tract | Act | ual |
|----------------------------------|-------------------|---|--------------|----------------|----------------|----------------|
| Fiscal Period | Auditor | Description | Audit fee | Total Hours | Fee Claimed | Hours spent |
| Quarter ended Mar 31, 2024 | Samjong KPMG | Review of the interim separate/consolidated financial statements Audit of separate/consolidated financial statements Audit of separate/consolidated Internal Control over Financial Reporting | 7,800 | 78,000 | 1,261 | 12,614 |
| Year ended Dec 31, 2023 | Samjong KPMG | Review of the interim separate/consolidated financial statements Audit of separate/consolidated financial statements Audit of separate/consolidated Internal Control over Financial Reporting | 7,800 | 85,700 | 7,800 | 85,036 |
| Year ended Dec 31, 2022 | Deloitte Anjin | Review of the interim separate/consolidated financial statements Audit of separate/consolidated financial statements Audit of Internal Control over Financial Reporting (ICFR) | 8,424 | 78,000 | 8,424 | 78,146 |

< Review plan for the period ended March 31, 2024>

| Review | Review Period | | |
|---------|---------------|-----------------------------|--|
| 2024 1Q | Pre-review | Mar 11, 2024 ~ Mar 29, 2024 | |
| 2024 10 | Review | Apr 8 2024~ May 14 2024 | |

* Above schedule is for the review of separate and consolidated financial statements

[Non-Audit Service Contract Description]

| [Non-Audit Servi | Non-Audit Service Contract Description] (KRW mil) | | | | | | | | |
|-------------------------------|---|---|--|-----------------------|--------------|--|--|--|--|
| Fiscal Period | Contract Date | Non-audit Service Description | Period for Service | Compensation | Note | | | | |
| Quarter ended Mar 31, 2024 | Feb 2017 Sep 2018 May 2019 | Tax advisory services(overseas subsidiaries) Tax advisory services(overseas subsidiaries) Tax advisory services(overseas subsidiaries) | Jan – Mar 2024 Jan – Mar 2024 Jan – Mar 2024 | 35 - 73 | Samjong KPMG | | | | |
| Year ended Dec 31, 2023 | Feb 2017 Sep 2018 May 2019 May 2023 | Tax advisory services(overseas subsidiaries) Tax advisory services(overseas subsidiaries) Tax advisory services(overseas subsidiaries) ESG certification(domestic subsidiaries) | Jan – Dec 2023 Jan – Dec 2023 Jan – Dec 2023 May – Jul 2023 | 202 27 79 25 | Samjong KPMG | | | | |
| Year ended Dec 31, 2022 | - | - | - | - | - | | | | |

[Details of internal audit committee's discussion with Auditors]

| No. | Date | Participants | Method | Details of discussion | | |
|-----|--------------|--|-------------------------|--|--|--|
| 1 | Jan 29, 2024 | Audit Committee: 3 members Company: Head of Audit Team Auditor: Signing partner and 5 others | Face-to-face meeting | Annual audit plan and its progress Key Audit Matters and other areas of focus Progress of audit of Internal Control over Financial Reporting Other required communications at the completion stage of the audit | | |
| 2 | Apr 26, 2024 | Audit Committee: 3 members Company: Head of Audit Team Auditor: Signing partner and 5 others | Face-to-face meeting | Reporting on progress of quarterly review Audit plan for the year 2024 Other required communications at the planning stage of the audit | | |

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2. Change of Independent Auditor

There are 227 subsidiaries as of March 31, 2024. Harman International Korea, Inc., the Company's domestic subsidiary, changed its external auditor from Samil PwC to Samjong KPMG and Harman International Industries, Inc. changed from PwC to KPMG. Also, eMagin Corporation, the Company's newly acquired affiliate, and Samsung Federal Inc., which was established in 2023, appointed KPMG as external auditor. Appointment of external auditor is decided at each entity's own discretion.

SubsidiariesPrevious auditorCurrent AuditorHarman International Korea, Inc.Samil PwCSamjong KPMGHarman International Industries, Inc.PwCKPMG

Details of change in subsidiaries' external auditors during the period are as follows:

The Company has changed its external auditor from Deloitte Anjin to Samjong KPMG since 2023. Upon the expiration of contract with Deloitte Anjin at the end of 2022, which was the designated auditor, the audit committee has newly appointed Samjong KPMG as the Company's external auditor for three years for the period 2023-2025, in accordance with Article 10 (1), (3) and (4) of the "Act on External Audit of Stock Companies".

For the year ended December 31, 2023, the Company holds 232 subsidiaries. In 2023, 8 domestic subsidiaries, including Samsung Display Co., Ltd., changed external auditor from Deloitte Anjin to Samjong KPMG and SU Materials Co., Ltd. from E&Y Hanyoung to Samjong KPMG. Among overseas subsidiaries, 30 companies including Samsung Electronics America, Inc. (SEA) switched from Deloitte to KPMG, 65 including Samsung (China) Semiconductor Co., Ltd. (SCS) from PwC to KPMG, 6 including Samsung Electronics Benelux B.V. (SEBN) from E&Y to KPMG, and Laos Samsung Electronics Sole Co., Ltd (LSE) from KPP Co., Ltd to KPMG. Samsung Venture Investment Co. No. 62 established in 2023 and Stellar Forest Co., Ltd. established in 2022 appinted Samjong KPMG as their external auditors. As the Company switched its external auditor, those subsidiaries newly designated and shifted their auditors in pursuit of efficient consolidated audit at each entity's own discretion. Details of change in subsidiaries' external auditors during the year are as follows:

| Subsidiaries | Previous auditor | Current Auditor |
|--|------------------|-----------------|
| Samsung Display Co., Ltd. | Deloitte Anjin | Samjong KPMG |
| Samsung Electronics Service Co., Ltd. | Deloitte Anjin | Samjong KPMG |
| Samsung Electronics Service CS Co., Ltd. | Deloitte Anjin | Samjong KPMG |
| Samsung Electronics Sales Co., Ltd. | Deloitte Anjin | Samjong KPMG |
| Samsung Electronics Logitech Co., Ltd. | Deloitte Anjin | Samjong KPMG |
| Dowooinsys Co., Ltd. | Deloitte Anjin | Samjong KPMG |
| Gf-System Co., Ltd. | Deloitte Anjin | Samjong KPMG |
| Mirero System Co., Ltd. | Deloitte Anjin | Samjong KPMG |
| SU Materials Co., Ltd. | E&Y Hanyoung | Samjong KPMG |
| Samsung Electronics America, Inc. (SEA) | Deloitte | KPMG |
| Samsung Semiconductor, Inc. (SSI) | Deloitte | KPMG |
| Samsung Mexicana S.A. de C.V (SAMEX) | Deloitte | KPMG |
| Samsung International, Inc. (SII) | Deloitte | KPMG |
| Samsung Austin Semiconductor LLC. (SAS) | Deloitte | KPMG |
| Samsung Electronics Mexico S.A. De C.V. (SEM) | Deloitte | KPMG |
| Samsung Electronics (UK) Ltd. (SEUK) | Deloitte | KPMG |
| Samsung Electronics Holding GmbH (SEHG) | Deloitte | KPMG |
| Samsung Semiconductor Europe GmbH (SSEG) | Deloitte | KPMG |
| Samsung Electronics GmbH (SEG) | Deloitte | KPMG |
| Samsung Semiconductor Europe Limited (SSEL) | Deloitte | KPMG |
| Samsung Vina Electronics Co., Ltd. (SAVINA) | Deloitte | KPMG |
| Samsung Electronics Singapore Pte. Ltd. (SESP) | Deloitte | KPMG |

| Samsung Asia Pte. Ltd. (SAPL) | Deloitte | KPMG |
|---|----------|------|
| Samsung Electronics Australia Pty. Ltd. (SEAU) | Deloitte | KPMG |
| Thai Samsung Electronics Co., Ltd. (TSE) | Deloitte | KPMG |
| Samsung Display Vietnam Co., Ltd. (SDV) | Deloitte | KPMG |
| Samsung R&D Institute BanglaDesh Limited (SRBD) | Deloitte | KPMG |
| Samsung Electronics Vietnam Co., Ltd. (SEV) | Deloitte | KPMG |
| Samsung Electronics Vietnam THAINGUYEN Co., Ltd. (SEVT) | Deloitte | KPMG |
| Samsung Electronics HCMC CE Complex Co., Ltd. (SEHC) | Deloitte | KPMG |
| Samsung (CHINA) Investment Co., Ltd. (SCIC) | Deloitte | KPMG |
| Samsung Electronics Taiwan Co., Ltd. (SET) | Deloitte | KPMG |
| Shanghai Samsung Semiconductor Co., Ltd. (SSS) | Deloitte | KPMG |
| Samsung Gulf Electronics Co., Ltd. (SGE) | Deloitte | KPMG |
| Samsung Electronics Saudi Arabia Ltd. (SESAR) | Deloitte | KPMG |
| Samsung Electronics South Africa(Pty) Ltd. (SSA) | Deloitte | KPMG |
| Samsung Electronics Turkiye (SETK) | Deloitte | KPMG |
| Samsung Electronics Industry and Commerce Ltd. (SETK-P) | Deloitte | KPMG |
| Samsung Eletronica da Amazonia Ltda. (SEDA) | Deloitte | KPMG |
| Samsung Japan Corporation (SJC) | PwC | KPMG |
| Samsung R&D Institute Japan Co. Ltd. (SRJ) | PwC | KPMG |
| Samsung Electronics Japan Co., Ltd. (SEJ) | PwC | KPMG |
| Samsung Dak Holdings, Inc. (SHI) | PwC | KPMG |
| Samsung Electronics Canada, Inc. (SECA) | PwC | KPMG |
| Samsung Electronics Canada, inc. (SECA) Samsung Research America, Inc (SRA) | PwC | KPMG |
| SAMSUNG NEXT LLC (SNX) | PwC | KPMG |
| SAMSUNG NEXT FUND LLC (SNXF) | PwC | KPMG |
| Samsung Electronics Home Appliances America, LLC (SEHA) | PwC | KPMG |
| Samsung Electronics Home Appliances America, ELC (SEHA) Samsung Electronics Digital Appliance Mexico, SA de CV (SEDAM) | PwC | KPMG |
| Samsung Electronics Digital Appliance (Mexico, SA de CV (SEDAW)) | PwC | KPMG |
| | PwC | KPMG |
| Samsung Electronics France S.A.S (SEF) | PwC PwC | KPMG |
| Samsung Electronics Hungarian Private Co. Ltd. (SEH) | PwC PwC | KPMG |
| Samsung Electronics Czech and Slovak s.r.o. (SECZ) Samsung Electronics Italia S.P.A. (SEI) | | |
| | PwC | KPMG |
| Samsung Electronics Europe Logistics B.V. (SELS) | PwC | KPMG |
| Samsung Electronics Romania LLC (SEROM) | PwC | KPMG |
| Samsung Electronics Overseas B.V. (SEO) | PwC | KPMG |
| Samsung Electronics Polska, SP.Zo.o (SEPOL) | PwC | KPMG |
| Samsung Electronics Nordic Aktiebolag (SENA) | PwC | KPMG |
| Samsung Electronics Austria GmbH (SEAG) | PwC | KPMG |
| Samsung Electronics Switzerland GmbH (SESG) | PwC | KPMG |
| SAMSUNG ELECTRONICS BALTICS SIA (SEB) | PwC | KPMG |
| Samsung Electronics Europe Holding Cooperatief U.A. (SEEH) | PwC | KPMG |
| Samsung Electronics Poland Manufacturing SP.Zo.o (SEPM) | PwC | KPMG |
| Samsung Electronics Greece S.M.S.A (SEGR) | PwC | KPMG |
| Samsung Nanoradio Design Center (SNDC) | PwC | KPMG |
| Samsung Electronics Air Conditioner Europe B.V. (SEACE) | PwC | KPMG |
| Samsung Denmark Research Center ApS (SDRC) | PwC | KPMG |
| Samsung Cambridge Solution Centre Limited (SCSC) | PwC | KPMG |
| Samsung R&D Institute India-Bangalore Private Limited (SRI-Bangalore) | PwC | KPMG |
| Samsung Electronics New Zealand Limited (SENZ) | PwC | KPMG |

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| PT Samsung Electronics Indonesia (SEIN) | PwC | KPMG |
|---|--------------|------|
| PT Samsung Telecommunications Indonesia (STIN) | PwC | KPMG |
| Samsung Display Noida Private Limited (SDN) | PwC | KPMG |
| Samsung Display Dongguan Co., Ltd. (SDD) | PwC | KPMG |
| Samsung Display Tianjin Co., Ltd. (SDT) | PwC | KPMG |
| Samsung Electronics Hong Kong Co., Ltd. (SEHK) | PwC | KPMG |
| Suzhou Samsung Electronics Co., Ltd. (SSEC) | PwC | KPMG |
| Samsung Suzhou Electronics Export Co., Ltd. (SSEC-E) | PwC | KPMG |
| Samsung Mobile R&D Center China-Guangzhou (SRC-Guangzhou) | PwC | KPMG |
| Samsung R&D Institute China-Shenzhen (SRC-Shenzhen) | PwC | KPMG |
| Samsung Electronics Suzhou Semiconductor Co., Ltd. (SESS) | PwC | KPMG |
| SEMES (XIAN) Co., Ltd. | PwC | KPMG |
| Beijing Samsung Telecom R&D Center (SRC-Beijing) | PwC | KPMG |
| Samsung Electronics Suzhou Computer Co., Ltd. (SESC) | PwC | KPMG |
| Samsung Semiconductor (China) R&D Co., Ltd. (SSCR) | PwC | KPMG |
| Samsung Electronics China R&D Center (SRC-Nanjing) | PwC | KPMG |
| Samsung (China) Semiconductor Co., Ltd. (SCS) | PwC | KPMG |
| Samsung SemiConductor Xian Co., Ltd. (SSCX) | PwC | KPMG |
| Samsung Electronics West Africa Ltd. (SEWA) | PwC | KPMG |
| Samsung Electronics East Africa Ltd. (SEEA) | PwC | KPMG |
| Samsung Electronics Israel Ltd. (SEIL) | PwC | KPMG |
| Samsung Electronics Tunisia S.A.R.L (SETN) | PwC | KPMG |
| Samsung Electronics Pakistan(Private) Ltd. (SEPAK) | PwC | KPMG |
| Samsung Electronics South Africa Production (pty) Ltd. (SSAP) | PwC | KPMG |
| Samsung Semiconductor Israel R&D Center, Ltd. (SIRC) | PwC | KPMG |
| Samsung Electronics Maghreb Arab (SEMAG) | PwC | KPMG |
| Samsung Electronics Latinoamerica(Zona Libre), S. A. (SELA) | PwC | KPMG |
| Samsung Electronica Colombia S.A. (SAMCOL) | PwC | KPMG |
| Samsung Electronics Chile Limitada (SECH) | PwC | KPMG |
| Samsung Electronics Peru S.A.C. (SEPR) | PwC | KPMG |
| Samsung Electronics Ukraine Company LLC (SEUC) | PwC | KPMG |
| Samsung R&D Institute Ukraine (SRUKR) | PwC | KPMG |
| Samsung Electronics Central Eurasia LLP (SECE) | PwC | KPMG |
| Samsung Electronics Iberia, S.A. (SESA) | E&Y | KPMG |
| Samsung Electronics Benelux B.V. (SEBN) | E&Y | KPMG |
| Samsung Electronics Portuguesa, Unipessoal, Lda. (SEP) | E&Y | KPMG |
| Samsung Electronics Philippines Corporation (SEPCO) | E&Y | KPMG |
| Samsung Electronics Levant Co.,Ltd. (SELV) | E&Y | KPMG |
| Samsung Electronics Caucasus Co. Ltd (SECC) | E&Y | KPMG |
| Laos Samsung Electronics Sole Co., Ltd (LSE) | KPP Co., Ltd | KPMG |

There are 232 subsidiaries as of December 31, 2022, and Samsung R&D Institute Ukraine (SRUKR) newly appointed PwC, and Samsung Venture Investment Co. No. 52, No. 55, No. 56, and No. 57 appointed Samjong KPMG as external auditors, respectively. Appointment of external auditor is decided at each entity's own discretion.

3. Regarding Internal Control

Pursuant to the reporting guidelines set forth by the Financial Supervisory Service of South Korea, the Internal Control section, reported in the half-year and full-year Business Report, is not included in the 1Q and 3Q reports.

VI. Corporate Governance

1. Board of Directors

Pursuant to the reporting guidelines set forth by the FSS of the Republic of Korea, the Board of Directors section, reported in the half-year and full-year business reports, is not included in the 1Q and 3Q reports.

2. Audit System

Pursuant to the reporting guidelines set forth by the FSS of the Republic of Korea, the Audit System section, reported in the half-year and full-year business reports, is not included in the 1Q and 3Q reports.

3. General meeting of shareholders

A. Voting method

As of March 31, 2024, the Company has not adopted cumulative voting or paper voting and has adopted electronic voting, which was used at the AGM on March 20, 2024.

On January 30, 2020, the Board resolved to adopt electronic voting to enhance convenience in exercising voting rights for shareholders in accordance with Article 368-4 (Exercise of Voting Rights by Electronic Means) of the Commercial Act. E-voting has been used at every AGM since it was introduced at the AGM on March 18, 2020.

The convocation notice of general meeting of shareholders includes the information that voting rights can be exercised electronically. Owners of shares as of the last day of every settlement term can exercise their voting rights via the electronic voting system of Korea Securities Depository ten days prior to general meeting date until the day before the meeting, without being present at the meeting.

[As of March 31, 2024]

| Classification | cation Cumulative voting | | Electronic voting | |
|----------------|--------------------------|-------------|-------------------|--|
| Adoption | Excluded | Not adopted | Adopted | |
| Implementation | - | - | AGM (2023) | |

The Company as of the reporting date employs proxy voting and it contacts shareholders directly to recommend delegating voting rights, contacts shareholders by mail or email, and also made a power of attorney form available on the Company website.

B. Minority shareholder rights

No minority shareholder rights were exercised during the reporting period.

C. Competition over management rights

No competition over management rights occurred during the reporting period.

D. Voting shares

As of March 31, 2024, SEC has 5,969,782,550 issued shares of common stock, and 822,886,700 issued shares of preferred stock with no voting rights. There are 603,800,392shares of common stock with limited voting rights under relevant laws. Thus, the total number of shares with full voting rights is 5,365,982,158.

[As of March 31, 2024]

| Classification | Share type | Number of shares | Note |
|---|------------|------------------|--|
| Number of issued shares (A) | Common | 5,969,782,550 | - |
| | Preferred | 822,886,700 | - |
| Charge with no voting rights (D) | Common | - | - |
| Shares with no voting rights (B) | Preferred | - | - |
| Shares with no voting rights according to | Common | - | - |
| Articles of Incorporation (C) | Preferred | 822,886,700 | - |
| Shares with limited voting rights under relevant laws (D) | Common | 603,324,100 | Restricted by the Monopoly Regulation and Fair Trade Act: 508,157,148 shares held by Samsung Life Insurance & 88,802,052 shares held by Samsung Fire & Marine Insurance 4,484,150 shares held by Samsung Welfare Foundation 1,880,750 shares held by Samsung Foundation of Culture |
| | Common | 476,292 | Restricted by the Insurance Business Act: Shares held by Samsung Life Insurance in certain special accounts |
| Shares with voting rights | Common | 5,365,982,158 | - |
| (E = A - B - C - D) | Preferred | - | - |

Pursuant to Korea's Monopoly Regulation and Fair Trade Act, owners can exercise certain rights on some shares (603,324,100) in accordance with related laws, including the right to vote on agendas such as the appointment or dismissal of directors and revisions to the Articles of Incorporation.

E. Stock affairs

Preemptive rights in the Articles of Incorporation

1. New shares to be issued by the Company shall be allocated to the shareholders in proportion to their respective shareholdings in accordance with Paragraph 6, Article 8. If shares are not subscribed for as a result of waiver or loss of the preemptive right of the shareholders to subscribe for new shares, or if fractional shares remain at the time of allocation of new shares, such shares may be disposed of by a resolution of the Board of Directors in accordance with applicable laws and regulations.

2. Notwithstanding the above Paragraph 1, new shares may be allocated to persons other than shareholders in the following cases:

- a. If the Company issues new shares or causes underwriters to underwrite new shares by a resolution of the Board of Directors in accordance with applicable laws and regulations including the Financial Investment Services and Capital Markets Act;
- b. If the Company allocates new shares preferentially to members of the Employee Stock Ownership Association by a resolution of the Board of Directors in accordance with applicable laws and regulations including the Financial Investment Services and Capital Markets Act;
- c. If the Company issues new shares for the issuance of depositary receipts (DR) by a resolution of the Board of Directors in accordance with the applicable laws and regulations including the Financial Investment Services and Capital Markets Act;
- d. If the Company issues new shares by public offering in accordance with Article 11-3;
- e. If new shares are issued by the exercise of stock options in accordance with Article 11-4;
- f. If the Company issues new shares to the extent of 20% of the total issued and outstanding shares to domestic or foreign financial institutions for the purpose of obtaining financing urgently or to the relevant partner company for the purpose of inducing technology therefrom, etc., by a resolution of the Board of Directors; provided that the issue price of the new shares shall not be less than the price prescribed by the Financial Investment Services and Capital Markets Act and other applicable laws and regulations.
- 🖙 (Note) Paragraph 6, Article 8

In the case of rights issue, bonus issue or stock dividend, the holders of common shares shall be entitled to common shares, and the holders of preferred shares shall be entitled to preferred shares, in proportion to their respective shareholdings; provided that in the case of rights issue and stock dividend the Company may, if necessary, issue only one kind of shares, where all the shareholders shall be entitled to such kind of shares to be issued.

- (Note) Article 11-3 (Public Offering)
- 1. The Company may issue new shares by public offering to the extent that the new shares do not exceed 20% of the total number of issued and outstanding shares by a resolution of the Board of Directors, pursuant to Article 165-6, Paragraph 1, Item 3 of the Financial Investment Services and Capital Markets Act.
- 2. If the Company issues new shares by public offering, the type, quantity and issue price of the shares to be newly issued shall be determined by a resolution of the Board of Directors; provided that the issue price of such new shares shall not be less than the price prescribed by the Financial Investment Services and Capital Markets Act and other applicable laws and regulations.
- (Note) Article 11-4 (Stock Options)
- 1. The Company may grant stock options to its officers and employees (including officers and employees of the related companies as set forth in Article 542-3, Paragraph 1 of the Commercial Code; the same shall apply for the purpose of this Article) by a special resolution of the general meeting of shareholders pursuant to Article 542-3 of the Commercial Code, to the extent permitted by the Commercial Code; provided, however, that the Company may grant the stock options to its officers and employees (except for the directors of the Company) by a resolution of the Board of Directors to the extent determined by the relevant laws and regulations.
- 2. The person to whom stock options may be granted are the officers and employees who have contributed or have the capacity to contribute to the establishment, management, overseas business, technical innovation, etc. of the Company; provided, however, that the officers and employees who may not be entitled to stock options under the relevant laws and regulations shall be excluded.
- 3. The shares to be issued to the officers or employees by the exercise of their stock options (in case the Company pays, either in cash or treasury shares, the difference between the exercise price of stock options and the market price, they refer to the shares which are the basis for such calculation) shall be common shares in registered form or preferred shares in registered form
- 4. Total number of shares to be delivered in accordance with the exercise of stock options shall be up to the extent permitted by the relevant laws and regulations.

Preemptive rights in the Articles of Incorporation

- 5. The stock options may be exercised until an expiry date determined by a resolution of the general meeting of shareholders or the Board of Directors and such expiry date shall be determined within a period not exceeding eight (8) years from the date when two (2) years have elapsed from the date of the general meeting of shareholders or the date of the Board of Directors' meeting at which a resolution to grant such stock options is adopted; provided, however, that the person to whom a stock option is granted should serve the Company for at least two (2) years after the date of such resolution in order to exercise such stock option, unless otherwise set forth by relevant laws and regulations.
- 6. The terms and conditions for stock options, such as the contents and exercise price thereof shall be determined by a special resolution of the general meeting of shareholders or by a resolution of the Board of Directors in accordance with the relevant laws and regulations and the Articles of Incorporation; provided, however, that such matters which are not provided for as matters reserved for resolutions of the general meeting of shareholders or the Board of Directors' meeting under the relevant laws and regulations or the Articles of Incorporation may be determined by the Board of Directors or a committee authorized by the Board of Directors.
- 7. The Company may cancel the grant of stock options by a resolution of the Board of Directors in any of the following cases:
- a. In case the relevant officer or employee voluntarily retires from his/her office or leaves the Company after the grant of stock options;
- b. In case the relevant officer or employee causes substantial damages to the Company due to his/her willful misconduct or negligence;
- c. In case any of the causes for cancellation set forth in the stock option agreement occurs.

| Dec 31 | Meetings of Shareholders | Within 3 months after the end of every business year | | | |
|---|------------------------------------|--|---|--|--|
| Record date (closing period) | | | Last day of fiscal year (One month from Jan 1) | | |
| Transfer agent Korea Securities Depository (T: +82-51 | | | ung-ro, Nam-gu, Busan, Korea | | |
| n/a | | Published on | Joongang Daily | | |
| te | e (closing period) Korea Securi | e (closing period) Korea Securities Depository (T: +82-51-57 n/a | Shareholders e (closing period) Last day of fiscal yet Korea Securities Depository (T: +82-51-519-1500): 40 Munhyeongeumyt n/a Published on | | |

With Act on Electronic Registration of Stocks, Bonds, etc. ("Electronic Securities Act") taking effect Sep 16, 2019, rights specified on stocks and subscription warrants are subject to mandatory electronic registration, therefore, "Stock types" are no longer applicable.

Related information is published on Joongang Daily in pursuant to our Articles of Incorporation, as well as on our website (https://www.samsung.com/sec/ir).

F. Results of shareholder meetings

[As of March 31, 2024]

| Date | Agenda | Results |
|--------------------|--|----------|
| AGM (Mar 20, 2024) | 1 Approval of audited financial statements for FY2023, including Statements of Financial Position, | Approved |
| | Statements of Profit or Loss, Statements of Appropriation of Retained Earnings | |
| | 2 Election of Je-Yoon Shin as Independent Director | Approved |
| | 3 Election of Hye-Kyung Cho as Independent Director for Audit Committee Member | Approved |
| | 4 Election of Myung-Hee Yoo as Audit Committee Member | Approved |
| | 5 Approval of Director Remuneration Limit (FY2024) | Approved |
| | 6 Approval of Amendments to the Articles of Incorporation | Approved |
| AGM (Mar 15, 2023) | 1 Approval of FY22 financial statements, including balance sheet, income statement, and the | Approved |
| | statement of appropriation of retained earnings, etc. | |
| | 2 Appointment of Jong-hee Han as Executive Director | Approved |
| | 3 Approval of remuneration limit for Directors | Approved |
| EGM (Nov 3, 2022) | 1 Appointment of Independent Directors | |
| | 1-1 Appointment of Eun-nyeong Heo as an Independent Director | Approved |
| | 1-2 Appointment of Myung-hee Yoo as an Independent Director | Approved |
| AGM (Mar 16, 2022) | 1 Approval of FY21 financial statements, including balance sheet, income statement, and the | Approved |
| | statement of appropriation of retained earnings, etc. | |
| | 2 Appointment of Directors | |
| | 2-1. Appointment of Independent Directors | |
| | 2-1-1 Appointment of Han-jo Kim as Independent Director | Approved |
| | 2-1-2 Appointment of Wha-jin Han as Independent Director | Approved |
| | 2-1-3: Appointment of Jun-sung Kim as Independent Director | Approved |
| | 2-2: Appointment of Executive Directors | |
| 3 | 2-2-1 Appointment of Kye-hyun Kyung as Executive Director | Approved |
| | 2-2-2 Appointment of Tae-moon Roh as Executive Director | Approved |
| | 2-2-3 Appointment of Hark-kyu Park as Executive Director | Approved |
| | 2-2-4: Appointment of Jung-bae Lee as Executive Director | Approved |
| | 2-3: Appointment of Audit Committee Member | |
| | 2-3-1: Appointment of Han-jo Kim as Audit Committee Member | Approved |
| | 2-3-2: Appointment of Jeong Kim as Audit Committee Member | Approved |
| | 3. Approval of remuneration limit for Directors | Approved |

VII. Information on Shareholders

1. Ownership of shares by the major shareholder(s) and related parties

[As of March 31, 2024]

| Name | Relationship ¹⁾ | Type of share | Period | l start | Period end | | Notes |
|-------------------------------------|--|---------------|-------------|-----------|-------------|-----------|--------------------------|
| | | | Shares | Stake (%) | Shares | Stake (%) | |
| Samsung Life Insurance | Major shareholder | Common | 508,157,148 | 8.51 | 508,157,148 | 8.51 | - |
| | | Preferred | 43,950 | 0.01 | 43,950 | 0.01 | - |
| Samsung Life | Major shareholder | Common | 8,097,938 | 0.14 | 7,284,757 | 0.12 | Open market transactions |
| Insurance (special accounts) | | Preferred | 417,085 | 0.06 | 389,221 | 0.05 | Open market transactions |
| Samsung C&T | Affiliate | Common | 298,818,100 | 5.01 | 298,818,100 | 5.01 | - |
| Samsung Fire & Marine Insurance | Affiliate | Common | 88,802,052 | 1.49 | 88,802,052 | 1.49 | - |
| Samsung Welfare Foundation | Funded foundation | Common | 4,484,150 | 0.08 | 4,484,150 | 0.08 | - |
| Samsung Foundation Of Culture | Funded foundation | Common | 1,880,750 | 0.03 | 1,880,750 | 0.03 | - |
| Da baa Hang | Related party of the major shareholder | Common | 117,302,806 | 1.96 | 97,978,700 | 1.64 | Over-the-counter |
| Ra-hee Hong | | Preferred | 206,633 | 0.03 | 206,633 | 0.03 | - |
| Jae-yong Lee | Related party of the | Common | 97,414,196 | 1.63 | 97,414,196 | 1.63 | - |
| Jae-yong Lee | major shareholder | Preferred | 137,757 | 0.02 | 137,757 | 0.02 | - |
| | Executive member of | Common | 55,394,044 | 0.93 | 52,992,821 | 0.89 | Over-the-counter |
| Boo-jin Lee | affiliate | Preferred | 137,755 | 0.02 | 137,755 | 0.02 | - |
| Seo-hyun Lee | Related party of the | Common | 55,394,044 | 0.93 | 47,290,190 | 0.79 | Over-the-counter |
| Seo-nyun Lee | major shareholder | Preferred | 137,755 | 0.02 | 137,755 | 0.02 | - |
| Jong-hee Han | Executive member of affiliate | Common | 15,000 | 0.00 | 15,000 | 0.00 | - |
| Kye-hyun Kyung | Executive member of affiliate | Common | 21,050 | 0.00 | 21,050 | 0.00 | - |
| Tae-moon Roh | Executive member of affiliate | Common | 13,000 | 0.00 | 13,000 | 0.00 | - |
| Hark-kyu Park | Executive member of affiliate | Common | 22,500 | 0.00 | 22,500 | 0.00 | - |

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| | | | | Ownership | | | |
|---------------|-------------------------------|--------------------------------|---------------|-----------|---------------|-----------|-----------------|
| Name | Relationship ¹⁾ | ¹⁾ Type of share | Period start | | Period end | | Notes |
| | | | Shares | Stake (%) | Shares | Stake (%) | |
| Jung-bae Lee | Executive member of affiliate | Common | 15,000 | 0.00 | 15,000 | 0.00 | - |
| Han-jo Kim | Executive member of affiliate | Common | 3,655 | 0.00 | 3,655 | 0.00 | - |
| Hye-Kyung Cho | Executive member of affiliate | Common | 0 | 0.00 | 500 | 0.00 | Newly appointed |
| Total | | Common | 1,235,835,433 | 20.7 | 1,205,193,569 | 20.19 | - |
| | | Preferred | 1,080,935 | 0.13 | 1,053,071 | 0.13 | - |

1) In accordance with Article 3 Paragraph 1 of Enforcement Decree of the Act on Corporate Governance of Financial Companies.

Common shares carry full voting rights while preferred shares do not. (Owners of certain common shares have limited voting rights in accordance with relevant laws.)

For changes after March 31, 2024, please refer to 'Ownership status of securities, etc. of executives and major shareholder' published in Korean in DART (<u>https://dart.fss.or.kr</u>).

2. Matters related to the major shareholder

A. Overview of the major shareholder (corporation or organization)

(1) Basic information of the major shareholder (Samsung Life Insurance Co., Ltd.)

1) Legal, commercial name: Samsung Life Insurance Co., Ltd.

- 2) Date of establishment: April 24, 1957
- 3) Address, phone number, and English language website of the corporate headquarters
 - Address: 11, Seocho-daero 74-gil, Seocho-gu, Seoul, Republic of Korea
- Phone: +82-2-1588-3114
 - Website: https://www.samsunglife.com
 - 4) CEO and major shareholder of the major shareholder (Samsung Life Insurance)

| Name | Number of investors | CI | EO | Major shareholder | | |
|---------------------------------|---------------------|--------------|-----------------|-------------------|-----------------|--|
| Name | Number of investors | Name | Share ratio (%) | Name | Share ratio (%) | |
| Samsung Life Insurance Co., Ltd | 74,343 | Won-hak Hong | 0.00 | Samsung C&T | 19.34 | |

As of March 31, 2024, based on common shares.

5) Changes to the CEO and major shareholder of the major shareholder (Samsung Life Insurance)

| Data of change | CEC |) | Major shar | Major shareholder | | |
|----------------|--------------|-----------------|------------|-------------------|--|--|
| Date of change | Name | Share ratio (%) | Name | Share ratio (%) | | |
| Mar 21, 2024 | Won-hak Hong | 0.00 | - | - | | |

Mar 21, 2024: Young-muk Jeon resigned from his position as CEO, and Executive Director Won-hak Hong was appointed as CEO

(2) Financial status of the recent settlement term of the major shareholder (Samsung Life Insurance)

| · | (KRW mil) |
|---|---------------------------------|
| Classification | |
| Name of the corporation or organization | Samsung Life Insurance Co., Ltd |
| Total assets | 315,771,608 |
| Total liabilities | 272,373,717 |
| Total equity | 43,397,891 |
| Revenue | 9,318,986 |
| Operating profit | 746,311 |
| Net profit | 663,292 |

The financial status is as of Mar 31, 2024, based on the consolidated K-IFRS financial statements.

(3) Business conditions of the major shareholder (Samsung Life Insurance)

Samsung Life Insurance is a company in which life insurance and its related reinsurance contract are the key purpose of business operations, and it operates businesses in accordance with the Insurance Business Act and other related laws.

Its key subsidiary, Samsung Card, is a specialized credit finance business company that operates specialized credit finance businesses (including credit card business, facility leasing business, and installment financing business) in accordance with the Specialized Credit Finance Business Act and other related laws.

Please refer to the business report (interim and half-year) of Samsung Life Insurance published in DART (https://dart.fss.or.kr) for more details of the major shareholder.

B. Certain transaction that may cause changes in the major shareholder

N/A

C. Overview of the major shareholder of the major shareholder

(1) Basic information of the major shareholder (Samsung C&T) of the major shareholder (Samsung Life Insurance)

1) Legal, commercial name: Samsung C&T Corporation

2) Date of establishment and period of existence: Dongwha Real Estate was first established on December 23, 1963, and the company name was changed to Cheil Industries in July 2014. It merged with Samsung C&T Corporation (founded as Samsung Sanghoe on March 1, 1938, and established as Samsung C&T in January 1951) and changed the company name to Samsung C&T Corporation on September 2, 2015 (merger registration date).

3) Address, phone number, and English language website of the corporate headquarters

- Address: 26, Sangil-ro 6-gil, Gangdong-gu, Seoul, Republic of Korea

- Phone: +82-2-2145-5114

- Website: https://www.samsungcnt.com

4) CEO and major shareholder of the major shareholder (Samsung C&T) of the major shareholder

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| Name | Number of investors | CE | 0 | Major shareholder | | |
|-------------|---------------------|---------------|-----------------|-------------------|-----------------|--|
| Name | Number of investors | Name | Share ratio (%) | Name | Share ratio (%) | |
| Samsung C&T | 115,427 | Jae-eon Lee | 0.00 | | | |
| | | Se-chul Oh | 0.00 | Jae-yong Lee | 18.26 | |
| | | Hai-lin Jeong | 0.00 | | | |

As of Mar 31, 2024, based on common shares

5) Changes to the CEO and major shareholder of the major shareholder (Samsung C&T) of the major shareholder(Samsung Life Insurance)

| Data of shares | CEC |) | Major shareholder | | | |
|----------------|----------------|-----------------|-------------------|-----------------|--|--|
| Date of change | Name | Share ratio (%) | Name | Share ratio (%) | | |
| Mar 17, 2023 | Seung-hwan Han | - | - | - | | |
| Mar 17, 2023 | Hai-lin Jeong | 0.00 | - | - | | |
| Apr 21, 2023 | - | - | Jae-yong Lee | 18.26 | | |
| Mar 15, 2024 | Jung-suk Koh | - | - | - | | |
| Mar 15, 2024 | Jae-eon Lee | 0.00 | - | - | | |

Mar 17, 2023: Seung-hwan Han resigned from his position as CEO, and Executive Director Hai-lin Jeong was appointed as CEO.

Apr 21, 2023: The share ratio of the major shareholder was changed $(18.13\% \rightarrow 18.26\%)$ due to the cancellation of treasury shares (1,295,411 common shares).

May 15, 2024: Jung-suk Koh resigned from his position as CEO, and Jae-eon Lee was appointed as CEO.

(2) Financial status of the recent settlement term of the major shareholder (Samsung C&T) of the major shareholder (Samsung Life Insurance)

| | (KRW mil) |
|---|-------------|
| Classification | |
| Name of the corporation or organization | Samsung C&T |
| Total assets | 69,330,328 |
| Total liabilities | 27,461,534 |
| Total equity | 41,868,794 |
| Revenue | 10,795,789 |
| Operating profit | 712,311 |
| Net profit | 822,138 |

The financial status is as of Mar 31, 2024, based on the consolidated K-IFRS financial statements.

(3) Business conditions of the major shareholder (Samsung C&T) of the major shareholder (Samsung Life Insurance)

Samsung C&T is consisted of Engineering & Construction, Trading & Investment, Fashion, and Resort Groups as well as biomedicine OEM and biosimilar businesses. The Engineering & Construction Group operates businesses in building, civil infrastructure, plant, and housing areas domestically and globally; Trading & Investment trades internationally in various fields,

including resource development, steel, chemical, industrial materials, and textiles. The Fashion Group imports and sells clothing. The Resort Group manages landscaping business, Everland (dry park), Caribbean Bay (water park), golf course, food supply services, and food distribution business (Samsung Welstory).

Please refer to the business report (interim and half-year) of Samsung C&T published in DART (https://dart.fss.or.kr) for more details of the major shareholder of the major shareholder.

VIII. Executives and Employees

(Shares)

1. Executives and employees

A. Registered Executives

[As of Mar 31, 2024]

| Name Gender | Position | Registered Executive | Full-time/ part-time | Responsibility Major caree | Major career | Number of sha owned ¹⁾ | | with major | Length of service | Term |
|-------------------------------------|------------------|-------------------------|-------------------------|---|--|--------------------------------------|-----------|--|-------------------|-----------------|
| Date of birth | | Executive | part-time | | | Common | Preferred | shareholder ²⁾ | (months) | expiration |
| Jong-hee Han Male Mar 1962 | Vice Chairman | Executive Director | Full | -CEO (head of DX) | -Bachelor's degree in Electronic Engineering from Inha University -Head of DX Division | 15,000 | - | Executive Member of an affiliate | 49 | Mar 17, 2026 |
| Kye-hyun Kyung Male Mar 1963 | President | Executive Director | Full | -CEO (head of DS) | -Doctor's degree in Control and Measurement Engineering from Seoul National University -Head of DS Division | 21,050 | - | Executive Member of an affiliate | 25 | Mar 15, 2025 |
| Tae-moon Roh Male Sep 1968 | President | Executive Director | Full | -Head of MX | -Doctor's degree in Electrical Engineering from Pohang University of Science and Technology -Head of MX Business | 13,000 | - | Executive Member of an affiliate | 25 | Mar 15, 2025 |
| Hark-kyu Park Male Nov 1964 | President | Executive Director | Full | -CFO | -Master's degree in Business and Technology Management from Korea Advanced Institute of Science and Technology -Head of Corporate Management Office | 22,500 | - | Executive Member of an affiliate | 25 | Mar 15, 2025 |
| Jung-bae Lee Male Feb 1967 | President | Executive Director | Full | -Head of Memory Business | -Doctor's degree in Electronic Engineering from Seoul National University -Head of Memory Business | 15,000 | - | Executive Member of an affiliate | 25 | Mar 15, 2025 |
| Han-jo Kim Male Jul 1956 | Director | Independent Director | Part | -Board Chair -Head of Audit Committee -Related Party Transactions Committee -Compensation Committee -Head of Sustainability Committee | -Bachelor's degree in French language and Literature from Yonsei University -Chairman of Hana Foundation | 3,655 | - | Executive Member of an affiliate | 61 | Mar 19, 2025 |
| Jun-sung Kim Male Oct 1967 | Director | Independent Director | Part | -Compensation Committee -Sustainability Committee | -Bachelor's degree in Economics & Business Administration from Carnegie Mellon University -Managing Director of Government of Singapore Investment Corporation (GIC) Total Return Group | - | - | Executive Member of an affiliate | 25 | Mar 15, 2025 |
| Eun-nyeong Heo Male Aug 1964 | Director | Independent Director | Part | -Related Party Transactions Committee -Independent Director Recommendation Committee -Sustainability Committee | -Doctor's degree in Mineral Economics from The Pennsylvania State University -Professor of College of Engineering at Seoul National University | - | - | Executive Member of an affiliate | 17 | Nov 2, 2025 |
| Myung-hee Yoo Female Jun 1967 | Director | Independent Director | Part | -Audit Committee -Related Party Transactions Committee -Independent Director Recommendation Committee -Sustainability Committee | -Doctor's degree in Administrative Law from Vanderbilt University -Visiting Professor of Graduate School of International Studies at -Seoul National University | - | - | Executive Member of an affiliate | 17 | Nov 2, 2025 |
| Je-Yoon Shin | | Independent | Part | -Independent Director | -Bachelor's Degree in | | | Executive | | |

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| Male Mar 1958 | Director | Director | | Recommendation Committee -Compensation Committee -Sustainability Committee | Economics from Seoul National University -Senior Advisor at Bae, Kim & Lee LLC | - | - | Member of an affiliate | 1 | Mar 28, 2027 |
|-------------------------------------|----------|-------------------------|------|---|---|-----|---|--|---|-----------------|
| Hye_Kyung Cho Female Jul 1964 | Director | Independent Director | Part | -Audit Committee -Sustainability Committee | -Doctor's degree in Robotics from Seoul National University -Professor of Applied AI at Hansung University | 500 | - | Executive Member of an affiliate | 1 | Mar 19, 2027 |

1) As of the reporting date; for changes after the reporting date, please refer to 'Ownership status of securities, etc. of executives and major shareholder' published in Korean in DART (https://dart.fss.or.kr).

2) In accordance with Article 3 Paragraph 1 of the Enforcement Decree of the Act on Corporate Governance of Financial Companies. Mar 20, 2024: Je-Yoon Shin and Hye Kyung Cho were newly appointed as Independent Directors and Independent Director Sun-uk Kim resigned at the AGM

Mar 22, 2024: Term of Independent Director Jeong Kim expired

B. Registered Executives with concurrent positions

[As of Mar 31, 2024]

| Concurrent | office holder | | Company | | | | |
|---------------|----------------------|--------------------------------------|----------------------|--------------|--|--|--|
| Name Position | | Name of company | Position | Period | | | |
| Hye-Kyung Cho | Independent Director | Hyundai E&C | Independent Director | 2021-present | | | |
| Myung-hee Yoo | Independent Director | HD Hyundai Construction Equipment | Independent Director | 2022-present | | | |

2. Remuneration for Directors

Pursuant to the reporting guidelines set forth by the FSS of the Republic of Korea, the Remuneration for Directors section, reported in the half-year and full-year business reports, is not included in the 1Q and 3Q reports.

IX. Affiliates and Subsidiaries

Pursuant to the reporting guidelines set forth by the FSS of the Republic of Korea, the Affiliates and Subsidiaries section, reported in the half-year and full-year business reports, is not included in the 1Q and 3Q reports.

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X. Transactions with Affiliates and Subsidiaries

1. Credit offerings for affiliates and subsidiaries

As of Mar 31, 2024, SEC provides a debt guarantee for financing of subsidiaries, including Samsung Electronics America, Inc. (SEA) and other subsidiaries as listed below

| | | | | | Quanta | 0 | Limit of g | juarantee | | Transactions | (USD th | Interest |
|---------|-----------|--------------------------|----------------------|-------------------|-------------------------|--------------------------|--------------|------------|--------------|--------------|------------|-------------|
| Company | Relation | Creditor | Туре | Purpose | Guarantee start date | Guarantee expiry date | Period start | Period end | Period start | Change | Period end | Rate (%) |
| SEA | Affiliate | BOA, etc. | Payment guarantee | Operating fund | Apr 16, 2023 | Dec 16, 2024 | 1,278,000 | 1,278,000 | - | - | - | |
| SEM | Affiliate | BBVA, etc. | Payment guarantee | Operating fund | Jun 14, 2023 | Mar 27, 2025 | 715,000 | 715,000 | - | - | - | |
| SAMCOL | Affiliate | Citibank, etc. | Payment guarantee | Operating fund | Jun 14, 2023 | Dec 16, 2024 | 210,000 | 210,000 | - | - | - | |
| SEDA | Affiliate | BRADESCO, etc. | Payment guarantee | Operating fund | Oct 01, 2023 | Dec 16, 2024 | 329,000 | 329,000 | - | 207 | 207 | 16.9% |
| SECH | Affiliate | Citibank, etc. | Payment guarantee | Operating fund | Jun 14, 2023 | Dec 16, 2024 | 62,000 | 62,000 | - | , – | - | |
| SEPR | Affiliate | BBVA, etc. | Payment quarantee | Operating fund | Jun 01, 2023 | Dec 16, 2024 | 150,000 | 150,000 | - | - | - | |
| SSA | Affiliate | SCB, etc. | Payment guarantee | Operating fund | Jun 14, 2023 | Dec 16, 2024 | 318,000 | 318,000 | - | 36,010 | 36,010 | 6.8% |
| SEMAG | Affiliate | SocGen, etc. | Payment guarantee | Operating fund | Nov 09, 2023 | Dec 16, 2024 | 96,000 | 96,000 | 8,065 | -8,065 | - | |
| SETK | Affiliate | BNP, etc. | Payment guarantee | Operating fund | Jun 14, 2023 | Dec 16, 2024 | 917,000 | 917,000 | 320,893 | 64,001 | 384,894 | 49.5% |
| SETK-P | Affiliate | BNP, etc. | Payment guarantee | Operating fund | Nov 09, 2023 | Dec 16, 2024 | 70,000 | 70,000 | - | - | - | |
| SECE | Affiliate | Citibank | Payment quarantee | Operating fund | Dec 17, 2023 | Dec 16, 2024 | 114,000 | 114,000 | - | - | - | |
| SEEG | Affiliate | HSBC, etc. | Payment guarantee | Operating fund | Jun 14, 2023 | Jun 13, 2024 | 85,000 | 85,000 | - | - | - | |
| SEIN | Affiliate | BNP, etc. | Payment guarantee | Operating fund | Jun 14, 2023 | Nov 08, 2024 | 70,000 | 70,000 | - | - | - | |
| SJC | Affiliate | Mizuho Bank, etc. | Payment guarantee | Operating fund | Apr 28, 2023 | Dec 16, 2024 | 835,508 | 817,268 | - | - | - | |
| SEUC | Affiliate | Credit Agricole, etc. | Payment quarantee | Operating fund | Jun 14, 2023 | Dec 16, 2024 | 125,000 | 125,000 | - | - | - | |
| SEDAM | Affiliate | Citibank, etc. | Payment guarantee | Operating fund | Jun 14 <u>,</u> 2023 | Dec 16, 2024 | 537,000 | 537,000 | - | - | - | |
| SECA | Affiliate | BOA | Payment guarantee | Operating fund | Nov 09, 2023 | Nov 08, 2024 | 70,000 | 70,000 | - | - | - | |
| SELA | Affiliate | Citibank | Payment guarantee | Operating fund | Dec 17, 2023 | Dec 16, 2024 | 60,000 | 60,000 | - | - | - | |
| SEEH | Affiliate | HSBC, etc. | Payment guarantee | Operating fund | Jun 14, 2023 | Dec 16, 2024 | 888,400 | 888,400 | - | - | - | |
| SELV | Affiliate | Citibank | Payment guarantee | Operating fund | Dec 17, 2023 | Dec 16, 2024 | 10,000 | 10,000 | - | - | - | |
| SEIL | Affiliate | Citibank | Payment guarantee | Operating fund | Dec 17, 2023 | Dec 16, 2024 | 15,600 | 15,600 | - | - | - | |
| SAPL | Affiliate | BOA, etc. | Payment guarantee | Operating fund | Jun 14, 2023 | Dec 16, 2024 | 404,000 | 404,000 | - | - | - | |
| SAVINA | Affiliate | HSBC | Payment guarantee | Operating fund | Jun 14, 2023 | Jun 13, 2024 | 51,000 | 51,000 | - | - | - | |
| SCIC | Affiliate | HSBC, etc. | Payment guarantee | Operating fund | Jun 14, 2023 | Dec 16, 2024 | 270,000 | 270,000 | - | - | - | |
| SESP | Affiliate | SCB | Payment guarantee | Operating fund | Nov 09, 2023 | Nov 08, 2024 | 30,000 | 30,000 | - | - | - | |
| SME | Affiliate | SCB | Payment guarantee | Operating fund | Nov 09, 2023 | Nov 08, 2024 | 110,000 | 110,000 | - | - | - | |
| SAMEX | Affiliate | Citibank | Payment guarantee | Operating fund | Dec 17, 2023 | Dec 16, 2024 | 5,000 | 5,000 | - | - | - | |
| SEASA | Affiliate | Citibank | Payment | Operating | Dec 17, 2023 | Dec 16, 2024 | 2,000 | 2,000 | - | - | - | |

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| | | | guarantee | fund | | | | | | | | |
|-------|-----------|----------|-------------------|-------------------|--------------|--------------|--------|--------|---|---|---|--|
| SSAP | Affiliate | SCB | Payment guarantee | Operating fund | Nov 09, 2023 | Nov 08, 2024 | 35,000 | 35,000 | - | - | - | |
| SEPM | Affiliate | HSBC | Payment guarantee | Operating fund | Jun 14, 2023 | Jun 13, 2024 | 35,000 | 35,000 | - | - | - | |
| SESAR | Affiliate | HSBC | Payment guarantee | Operating fund | Jun 14, 2023 | Jun 13, 2024 | 20,000 | 20,000 | - | - | - | |
| SEUZ | Affiliate | Citibank | Payment guarantee | Operating fund | Dec 17, 2023 | Dec 16, 2024 | 10,000 | 10,000 | - | - | - | |

| Company | | | | Guarantee | Guarantee | Limit of g | juarantee | | Transactions | | Interest |
|--|-----------|----------------------|-------------------|--------------|--------------|--------------|------------|--------------|--------------|------------|----------|
| (relation) | Creditor | Туре | Purpose | start date | expiry date | Period start | Period end | Period start | Change | Period end | Rate (%) |
| AdGear Technologies Inc. (affiliate) | BOA | Payment guarantee | Operating fund | Nov 09, 2023 | Nov 08, 2024 | 2,000 | 2,000 | - | - | - | |
| Harman International Industries, Inc. (affiliate) | JP Morgan | Payment guarantee | Operating fund | Jun 14, 2023 | Jun 13, 2024 | 100,000 | 100,000 | - | - | - | |
| Harman International Japan Co., Ltd. (affiliate) | MUFG | Payment guarantee | Operating fund | Nov 09, 2023 | Nov 08, 2024 | 25,000 | 25,000 | - | `- | - | |
| Harman Holding Limited (affiliate) | HSBC | Payment guarantee | Operating fund | Jun 14, 2023 | Jun 13, 2024 | 30,000 | 30,000 | - | • | - | |
| Harman do Brasil Industria Eletronica e Participacoes Ltda. (affiliate) | | | Operating | | | | | | | | |
| Harman da Amazonia Industria Eletronica e Participacoes Ltda. (affiliate) | SocGen | Payment guarantee | fund | | | 15,000 | 15,000 | - | - | - | |
| Harman International Industries Limited (affiliate) | HSBC | Payment guarantee | Operating fund | Nov 09, 2023 | Nov 08, 2024 | 30,000 | 30,000 | - | - | - | |
| | Total | | | | | | | 328,958 | 92,153 | 421,111 | |

Separate basis.

The approval decision is resolved by the Management Committee when the guarantee amount per transaction is between 0.1% and/or less than 2.5%, and by the Board of Directors when the guarantee amount per transaction is 2.5% and above.

SEC receives fees on the debt it guarantees depending on the maturity date of each debt guarantee, general loan interest rate, etc. SEC claimed pproximately USD 2,141 thousand in guarantee fees in 2023, and it received the fees in 2024.

2. Acquisitions and disposals of assets with affiliates and subsidiaries

In 1Q24, the Company sold assets to affiliates, including Samsung Electronics Suzhou Semiconductor Co., Ltd. (SESS), to increase production capacity of such affiliates. Also, the Company acquired assets including facility equipment from affiliates to improve production efficiency.

| Company | Relationship | Transaction type | Transaction date ¹⁾ | Asset | Purpose of transaction | Amount ²⁾ | Gain or loss on disposal |
|---------|--------------|---------------------|--------------------------------|-----------------|---|----------------------|-----------------------------|
| SESS | Affiliate | Asset sale/purchase | Mar 16, 2024 | Machinery, etc. | Enhance capacity and production efficiency | 9,049 | -8 |
| SCS | Affiliate | Asset sale | Feb 28, 2024 | Machinery, etc. | Enhance capacity and production efficiency | 8,022 | 7,289 |
| SEVT | Affiliate | Asset purchase | Mar 20, 2024 | Machinery, etc. | Enhance capacity and production efficiency | 2,173 | - |
| SII | Affiliate | Asset sale | Feb 15, 2024 | Machinery, etc. | Enhance capacity and production efficiency | 1,753 | 60 |
| SEV | Affiliates | Asset purchase | Jan 17, 2024 | Machinery, etc. | Enhance capacity and production efficiency | , 132 | - |

| Samsung Biologics | Affiliates | Asset sale | Feb 28, 2024 | Vehicle and delivery equipment. | Enhance asset efficiency | 122 | -14 |
|----------------------|------------|------------|--------------|---------------------------------|--------------------------|-----|-----|
|----------------------|------------|------------|--------------|---------------------------------|--------------------------|-----|-----|

Separate basis

The above acquisition and disposal transactions of assets are not subject to the Board's approval.

1) Most recent transaction.

2) Properly calculated by an appropriate method based upon market value assessment. Transaction was made under normal conditions (e.g., terms of cash payment within the 15th, 30th of the following month of transaction).

Transactions worth less than KRW 100 million were excluded according to Corporate Disclosure Guidelines.

3. Business transactions with affiliates and subsidiaries

In 1Q24, no business transactions with affiliates and subsidiaries that are subject to public disclosure.

(KRW mil)

| Company | Relationship | Transaction type | Transaction date | Details | Amount |
|---------|--------------|------------------|------------------|---------|--------|
| - | - | - | - | - | - |

Separate basis

Transactions worth 5% and above of revenue of the current business year are subject to public disclosure.

XI. Other Information

1. Changes in public disclosure

- N/A

2. Contingent liabilities

A. Litigation

The Company is involved in various claims, disputes, and investigations conducted by regulatory bodies, which arose during the normal course of business with numerous entities. Although the outflow of resources and timing of these matters are uncertain, as of the reporting date, the Company believes the outcome will not have a material impact on the financial position of the Company.

Samsung Electronics and its spun-off companies, including SDC, are liable to fulfill in solidarity the debts of SDC which relate to the periods prior to SDC's separation from the Company.

For information related to other contingent liabilities and commitments, see retained earnings in ^[7]3. Notes to consolidated

financial statements_ and ^r5. Notes to non-consolidated financial statements_ in ^rIII. Financial Affairs_.

B. Guarantees

| | rantees | | | | 1 | | | | | | | JSD thousand) |
|---------|------------|--------------------------|-------------------|-------------------|--------------|--------------|--------------|------------|--------------|--------------|------------|---------------|
| Company | Relation | Creditor | Type | Purpose | Guarantee | Guarantee | Limit of g | uarantee | | Transactions | | Interest rate |
| oompany | Relation | orealtor | Type | i uipose | start date | end date | Period start | Period end | Period start | Change | Period end | interestrate |
| SEA | Affiliate | BOA, etc. | Payment guarantee | Operating fund | Apr 16, 2023 | Dec 16, 2024 | 1,278,000 | 1,278,000 | - | - | - | |
| SEM | Affliliate | BBVA, etc. | Payment guarantee | Operating fund | Jun 14, 2023 | Mar 27, 2025 | 715,000 | 715,000 | - | - | - | |
| SAMCOL | Affliliate | Citibank, etc. | Payment guarantee | Operating fund | Jun 14, 2023 | Dec 16, 2024 | 210,000 | 210,000 | - | - | - | |
| SEDA | Affliliate | BRADESCO, etc. | Payment guarantee | Operating fund | Oct 01, 2023 | Dec 16, 2024 | 329,000 | 329,000 | - | 207 | 207 | 16.9% |
| SECH | Affliliate | Citibank, etc. | Payment guarantee | Operating fund | Jun 14, 2023 | Dec 16, 2024 | 62,000 | 62,000 | - | - | - | |
| SEPR | Affliliate | BBVA, etc. | Payment guarantee | Operating fund | Jun 01, 2023 | Dec 16, 2024 | 150,000 | 150,000 | - | - | - | |
| SSA | Affliliate | SCB, etc. | Payment guarantee | Operating fund | Jun 14, 2023 | Dec 16, 2024 | 318,000 | 318,000 | - | 36,010 | 36,010 | 6.8% |
| SEMAG | Affliliate | SocGen, etc. | Payment guarantee | Operating fund | Nov 09, 2023 | Dec 16, 2024 | 96,000 | 96,000 | 8,065 | -8,065 | - | |
| SETK | Affliliate | BNP, etc. | Payment guarantee | Operating fund | Jun 14, 2023 | Dec 16, 2024 | 917,000 | 917,000 | 320,893 | 64,001 | 384,894 | 49.5% |
| SETK-P | Affliliate | BNP, etc. | Payment guarantee | Operating fund | Nov 09, 2023 | Dec 16, 2024 | 70,000 | 70,000 | - | - | - | |
| SECE | Affliliate | Citibank | Payment guarantee | Operating fund | Dec 17, 2023 | Dec 16, 2024 | 114,000 | 114,000 | - | - | - | |
| SEEG | Affliliate | HSBC | Payment guarantee | Operating fund | Jun 14, 2023 | Jun 13, 2024 | 85,000 | 85,000 | - | - | - | |
| SEIN | Affliliate | BNP, etc. | Payment guarantee | Operating fund | Jun 14, 2023 | Nov 08, 2024 | 70,000 | 70,000 | - | - | - | |
| SJC | Affliliate | Mizuho Bank, etc. | Payment guarantee | Operating fund | Apr 28, 2023 | Dec 16, 2024 | 835,508 | 817,268 | - | - | - | |
| SEUC | Affliliate | Credit Agricole, etc. | Payment guarantee | Operating fund | Jun 14, 2023 | Dec 16, 2024 | 125,000 | 125,000 | - | - | - | |
| SEDAM | Affliliate | Citibank, etc. | Payment guarantee | Operating fund | Jun 14, 2023 | Dec 16, 2024 | 537,000 | 537,000 | - | - | - | |
| SECA | Affliliate | BOA | Payment guarantee | Operating fund | Nov 09, 2023 | Nov 08, 2024 | 70,000 | 70,000 | - | • | - | |
| SELA | Affliliate | Citibank | Payment | Operating | Dec 17, 2023 | Dec 16, 2024 | 60,000 | 60,000 | - | - | - | |

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| | | | au aranta a | fund | | | | | | | | |
|--------|------------|------------|-------------|-----------|---------------|--------------|---------|---------|---|-----|---|--|
| | | | guarantee | fund | | | | | | | | |
| SEEH | Affliliate | HSBC, etc. | Payment | Operating | Jún 14, 2023 | Dec 16, 2024 | 888,400 | 888,400 | _ | _ | - | |
| ULLII | Annate | 1000, 010. | guarantee | fund | 0011 14, 2020 | 000 10, 2024 | 000,400 | 000,400 | _ | _ | | |
| SELV | Affliliate | Citibank | Payment | Operating | Dec 17, 2023 | Dec 16, 2024 | 10,000 | 10,000 | - | - | - | |
| | | •••••• | guarantee | fund | | | , | , | | | | |
| SEIL | Affliliate | Citibank | Payment | Operating | Dec 17, 2023 | Dec 16, 2024 | 15,600 | 15,600 | - | - | - | |
| | | | guarantee | fund | , | | -, | -, | | | | |
| SAPL | Affliliate | BOA, etc. | Payment | Operating | Jun 14, 2023 | Dec 16, 2024 | 404,000 | 404,000 | - | - | - | |
| | | - , | guarantee | fund | , | , - | , | . , | | | | |
| SAVINA | Affliliate | HSBC | Payment | Operating | Jun 14, 2023 | Jun 13, 2024 | 51.000 | 51,000 | - | - | - | |
| | | | guarantee | fund | , | | . , | - , | | | | |
| SCIC | Affliliate | HSBC, etc. | Payment | Operating | Jun 14, 2023 | Dec 16, 2024 | 270,000 | 270,000 | - | - | - | |
| | | , | guarantee | fund | , | , - | ., | -, | | | | |
| SESP | Affliliate | SCB | Payment | Operating | Nov 09, 2023 | Nov 08, 2024 | 30.000 | 30,000 | - | - | - | |
| | | | guarantee | fund | | , | , | , | | | | |
| SME | Affliliate | SCB | Payment | Operating | Nov 09, 2023 | Nov 08, 2024 | 110,000 | 110,000 | - | - | - | |
| | | | guarantee | fund | | , | , | , | | | | |
| SAMEX | Affliliate | Citibank | Payment | Operating | Dec 17, 2023 | Dec 16, 2024 | 5,000 | 5,000 | - | - | - | |
| | | | guarantee | fund | , | , - | -, | -, | | | | |
| SEASA | Affliliate | Citibank | Payment | Operating | Dec 17, 2023 | Dec 16, 2024 | 2,000 | 2,000 | - | - | - | |
| | | | guarantee | fund | , | , - | , | , | | | | |
| SSAP | Affliliate | SCB | Payment | Operating | Nov 09, 2023 | Nov 08, 2024 | 35,000 | 35,000 | - | - | - | |
| | | | guarantee | fund | , | | , | , | | | | |
| SEPM | Affliliate | HSBC | Payment | Operating | Jun 14, 2023 | Jun 13, 2024 | 35,000 | 35,000 | - | · • | - | |
| | | | guarantee | fund | | | ,- | ,••• | | | | |
| SESAR | Affliliate | HSBC | Payment | Operating | Jun 14, 2023 | Jun 13. 2024 | 20.000 | 20,000 | - | - | - | |
| 020/11 | | | guarantee | fund | | | _0,000 | | | | | |
| SEUZ | Affliliate | Citibank | Payment | Operating | Dec 17, 2023 | Dec 16, 2024 | 10,000 | 10,000 | - | - | - | |
| | | | guarantee | fund | | , | , | , | | | | |

| | | | | | | | | | | (030 | thousand |
|--|-----------|----------------------|-------------------------|--------------|---------------------|-----------------|------------|-----------------|-------------|------------|----------|
| Company | | | | Guarantee | Guarantee | Limit of | Guarantee | | Transaction | 5 | Interest |
| (relation) | Creditor | Туре | Purpose | start date | | Period start | Period end | Period start | Change | Period end | |
| AdGear Technologies Inc. (affliliate) | BOA | Payment guarantee | Operating fund | Nov 09, 2023 | Nov 08, 2024 | 2,000 | 2,000 | - | - | - | |
| Harman International Industries, Inc. (affliliate) | JP Morgan | Payment guarantee | Operating fund | Jun 14, 2023 | Jun 13, 2024 | 100,000 | 100,000 | - | - | - | |
| Harman International Japan Co., Ltd. (affiliate) | MUFG | Payment guarantee | Operating fund | Nov 09, 2023 | Nov 08, 2024 | 25,000 | 25,000 | - | - | - | |
| Harman Holding Limited (affliliate) | HSBC | Payment guarantee | Operating fund | Jun 14, 2023 | Jun 13, 2024 | 30,000 | 30,000 | - | - | - | |
| Harman do Brasil Industria Eletronica e Participacoes Ltda. (affililate) Harman da Amazonia Industria Eletronica e Participacoes Ltda. (affililate) | SocGen | Payment guarantee | Operating fund | Nov 09, 2023 | Nov 08, 2024 | 15,000 | 15,000 | - | - | - | |
| Harman International Industries Limited (affiliate) | HSBC | Payment guarantee | Operating fund | Jun 14, 2023 | Jun 13, 2024 | 30,000 | 30,000 | - | - | - | |
| SDN (affliliate) | SIEL | Payment guarantee | Operating fund, etc. | Nov 22, 2021 | Feb 19, 2026 | 601,149 | 599,578 | 510,977 | -1,336 | 509,641 | 8.1% |
| SAS (affliliate) | Epcor | Payment guarantee | Operating fund, etc | Apr 26, 2022 | Debt expiry date | 340,000 | 340,000 | - | - | - | |
| | 1 | otal | | | | 9,070,657 | 9,050,846 | 839,935 | 90,817 | 930,752 | |

(USD thousand)

Consolidated basis.

Debt guarantees for SDN are provided by SDC, SAS by SEA. SEC requires Board approval for individual guarantees exceeding 2.5% of total equity; the approval decision is delegated to the Management Committee when the guarantee amount is between 0.1% and/or less than 2.5%.

SDC requires Board approval for individual guarantees over KRW 10,000 million. In 2023, the Company claimed approximately USD 2,141,000 in guarantee fees, and it received the fees in 2024.

In 2023, Samsung Display Co., Ltd. claimed approximately USD 3,066,000 in guarantee fees to SDN, and it received the fees in 2024.

3. Sanctions and others

Pursuant to the reporting guidelines set forth by the FSS of the Republic of Korea, the Sanctions and others section, reported in the half-year and full-year business reports, is not included in the 1Q and 3Q

4. Subsequent events and other matters

Pursuant to the reporting guidelines set forth by the FSS of the Republic of Korea, the Subsequent events and other matters section, reported in the half-year and full-year business reports, is not included in the 1Q and 3Q reports.

XII. Appendix

1. Subsidiaries subject to consolidated financial statements (detailed)

Pursuant to the reporting guidelines set forth by the FSS of the Republic of Korea, the Subsidiaries subject to consolidated financial statements (detailed) section, reported in the half-year and full-year business reports, is not included in the 1Q and 3Q reports.

2. Affiliates

Pursuant to the reporting guidelines set forth by the FSS of the Republic of Korea, the Affiliates & subsidiaries (detailed) section, reported in the half-year and full-year business reports, is not included in the 1Q and 3Q reports.

3. Equity investments in other corporations (Details)

Pursuant to the reporting guidelines set forth by the FSS of the Republic of Korea, the Equity investments in other corporations (detailed), reported in the half-year and full-year business reports, is not included in the 1Q and 3Q reports.

4. R&D results (detailed)

| | DX Division |
|------------------|--|
| Research project | Details |
| Visual Display | |
| Neo QLED 8K | □ Ultra high-resolution, slim 8K TV based on Mini LED technology (65 • 75 • 85") |
| ~Mar 2024 | - QN900 (65 · 75 · 85") / QN800 (65 · 75 · 85") / QN700 (55 · 65 · 75 ") |
| | QLED 8K resolution offers real-life viewing experiences with enhanced contrast of sophisticated Mini LED |
| | Offers immersive and realistic viewing experience with Neural Quantum Processor 8K |
| | Offers spatial sound that envelops the space with OTS (object tracking sound) |
| Neo QLED 4K | □ Mini LED-based products come in 3 series and up to 7 sizes (43 · 50 · 55 · 65 · 75 · 85 · 98") |
| (~Mar 2024) | □ Slim design by adopting Mini LED, premium look with bezel-less/metal design |
| | - New LED with Quantum Nano-Layer Multi-Cell structure, enabling slim design, high luminance efficiency, luminance profile |
| | control |
| | Adjusts picture quality using AI fuctions based on user's preferences of genre-specific picture quality Provides quick access and personalized recommendations with New Home, which offers convenient serviceability |
| OLED TV | |
| (~Mar 2024) | □ Quantum-Dot-based self-emitting Display Flat 4K TV (55 • 65 • 77") |
| | S95 (55 • 65 • 77"): OLED TV that provides the true value of TV, featuring QD-OLED display with 144Hz VRR; OLED Glare Free-True Reality quality; Infinity One Design (an ultra slim flat form factor equipped with top speaker); Object |
| | Tracking Sound; and ATMOS |
| | S90 (55 · 65 · 77"): Provides picture quality of OLED Display featuring 144Hz VRR and immersive sound with Laser Slim |
| | Design featuring OTS Lite and ATMOS, strengthening Samsung OLED lineups beyond Neo QLED to enhance positioning |
| | in the premium TV market |
| | |
| | □ White OLED-based self-emitting Display Flat 4K TV (42 · 48 · 55 · 65 · 77 · 83") |
| | - S90 (42 · 48 · 55 · 65 · 77 · 83"): same features as above |
| | - S85 (55 · 65 · 77 · 83"): Features white OLED display—which has been prepared as a new lineup for OLED sales |
| | expansion and profit/loss improvement-and offers premium spatial sound with OTS Lite/ ATMOS and a contour design |
| | with sleek curves |
| QLED TV | □ Flat QLED 4K TV (32 · 43 · 50 · 55 · 60 · 65 · 70 · 75 · 82 · 85 · 98") |
| (~Mar 2024) | Specs and features |
| | - Flagship QLED maximizes viewing experience with unrivaled picture quality within 4K (Al/brightness/viewing angle) and sound |
| | quality (OTS) |
| | Maximizes immersive experience with ideal brightness contrast, free viewing angle, life-like color, and optimal brightness Optimizes viewing experience with ideal brightness contrast, free viewing angle, life-like color, and optimal brightness |
| | Optimizes viewing experience by identifying user context based on voice recognition and AI technologies Convenient calibration of picture quality with the touch of a button from a mobile device without expensive, professional |
| | equipment |
| | Upgraded gaming experience for casual gamers through Game Bar |
| UHD TV | □ Flat UHD TV (43 · 50 · 55 · 58 · 65 · 70 · 75 · 82 · 85 · 98") |
| (~Mar 2024) | \square Specs and features |
| . , | - UHD Smart TV with slim, bezel-less design provides colors close to real-life |
| | - UHD picture quality expresses picture quality of original content through Dynamic Crystal Color and Dual LED |
| | - Provides a multi-media screen experience, rich content, and complete smart experience via smart home experience |
| | - Enhances smart experiences with the addition of Game Hub, IoT Hub, Chat Together, Voice Ready, Daily+, SmartThings Mobile |
| | Plugin |

| | DX Division |
|------------------|---|
| Research project | Details |
| Lifestyle TV | □ The SERO (43") |
| ~April 2023 | Simple, modern vertical screen that rotates 360 degrees with flat-type speaker |
| | Easily installed in any living space, mobile floor stand included |
| | - Significantly improved VoC compared to existing products with anti-glare/anti-reflective screen even for rotated form factor |
| | □ The Frame (32 · 43 · 50 · 55 · 65 · 75 · 85") |
| | Design resembles a real picture frame; completes a picture frame experience |
| | Exhibit various famous paintings and pictures; adopted lifestyle design which blends in with the interior |
| | Additional introduction of 85" to meet the needs for ultra-large Lifestyle products |
| | - Completes the Real Frame experience with the anti-glare/anti-reflective screen that shows a paper-like image |
| | □ The Serif (43 · 50 · 55 · 65") |
| | I-shaped serif font design; distinct from other products; works as beautiful interior design object |
| | Additional introduction of 65" to expand the position of large screen products |
| | - Design that resembles a piece of furniture with the anti-glare/anti-reflective screen that shows a matte image |
| | - Offers a dark color option other than white (Ivy Green) |
| | □ The Terrace (55 · 65 · 75") |
| | Differentiated product tailored to a lifestyle of relaxing and enjoying entertainment outdoors |
| | □ The Premiere (100–130") |
| | - Ultra-short-throw laser projector with high-resolution, providing a top-notch Smart UX/OTT experience |
| | - Complements any environment with blended design, can be placed directly in front of a wall and has an easily |
| | adjustable screen size. |
| | - Complete experience of our TV models including the differentiated picture quality and sound |
| | □ The Freestyle (30–100") |
| | Movable Smart Screen that enables users to enjoy content anytime, anywhere Easy to set up in various locations and provides an optimal viewing experience regardless of angle/distance (Auto |
| | Focus/Auto Keystone) |
| | Added usability via the basic cradle, enabling easy placement in various locations; and the socket adapter expands usability. |
| Micro-LED TV | □ The Wall 2.0 (110") |
| ~December 2023 | Released completed version of Micro-LED to strengthen technology leadership and dominance of Micro-LED market |
| December 2023 | Ultra-large Home Screen that reproduces the real world on display |
| د | Micro-LED picture quality with a sense of space and depth that seems like the real thing without limitation on resolution |
| | \square Micro-LED Screen (76 · 89 · 101 · 114") |
| | - Next-generation flagship model that satisfies premium customer and distribution needs |
| | Released completed version of TFT glass-based 12.7" module (pitch 0.51) microLED Screen |
| | □ microLED Processor: creates vivid 3D picture quality based on AI scaling + HDR enhancing features |
| Sound Bar | |
| ~March 2022 | Bar-shaped audio product well suited to TVs |
| | - Adopted AI solution enabling voice recognition |
| | Adopted 3D surround system, creating enriching sounds close to first-hand experiences |
| | Sound Bar Q990B |
| | Industry's first wireless ATMOS transmission from TV to soundbar |
| | - Provides the optimal Cinema True ATMOS just like in the cinema, utilizing all channels of TV and soundbar |
| | Equipped with soundbar room-correction technology |

| | DX Division |
|----------------------------|--|
| Research project | Details |
| Monitor | □ Space monitor |
| ~Sep 2023 | - Application of integrated arm stand that minimizes space needed for the monitor |
| | Neo QLED Gaming monitor (49") Strengthened black gamut based on enhanced brightness contrast by applying Neo QLED |
| | Strengthened black gampa based on enhanced bightness contrast by applying Neo QLED More immersive gaming experience with 1000R curvature—the world's highest |
| | □ High-resolution QHD monitor (34") |
| | - Offers picture solution comfortable to the eye with Intelligent Eye Care solution, etc. |
| | LCD Smart monitor |
| | Enjoy VOD services without using a PC via Smart TV services (Netflix, YouTube, etc.) |
| | □ Smart monitor M80B (32") |
| | - Ultra-slim, flat back, lifestyle design that adopts Warm White color |
| | Includes magnetic-mount webcam Strengthened smart experiences (watching VOD/connecting mobile devices/PC-less function/loT/communication/game) |
| | □ Gaming monitor G85NB (32") |
| | World's first UHD 240Hz 1ms (GTG) gaming monitor with premium gaming performance features (1000R Curved) |
| | Odyssey Neo that offers a new level of picture quality experience (Mini LED, Quantum HDR2000) |
| | □ World's first 1000R large game screen G97NB (55") |
| | - Offers top-notch immersive experience with a large screen-size without viewing-angle limitations—even near-field |
| | viewing angles—via 1000R, 16:9, 55" Big Curved Screen |
| | - Provides a new immersive experience, almost like sitting in the cockpit of a space shuttle, by allowing users to rotate the screen |
| | vertically and in any direction |
| | Game-exclusive panel that offers a 4K 165Hz refresh rate and 1ms response time QD-OLED gaming monitor (G85SB 34") |
| | Exquisite expression of various colors with the combination of True RGB self-luminous display and quantum dot |
| | technology |
| | Can play games with an extremely fast response time of 0.1ms and clear screen with 175Hz refresh rate |
| | - Implemented an all-in-one game streaming discovery platform, including cloud gaming and consoles, with the adoption of the |
| | Samsung Gaming Hub |
| | □5K ultra-high resolution monitor (S90PC 27") |
| 2 | - 5K (5120x2880) resolution that expresses more information, with at least 50% more pixels compared to a 4K monitor |
| | Matte Display reduces glare without a monitor hood and eliminates distortion, thus protecting your eyesight |
| | Equipped with thunderbolt 4 and miniDP, compatible with both MAC/Windows "Smart Screen" can be customized to satisfy your work/daily life/space needs |
| | DUHD Flagship Gaming Monitor (G95NC 57") |
| | - Allows users to experience maximum immersion with the new super large form factor (57") and ultra-high definition Dual UHD |
| | (7680X2160) |
| | Can play games with a clear screen with 240Hz refresh rate and extremely fast 1 ms response time |
| Signage | □ LCD-based B2B Smart Signage (LFD, Video Wall, Outdoor, etc.) (13 · 24 · 32 · 43 · 49 · 50 · 55 · 65 · 75 · 85 · 98") |
| ~June 2023 | □ Indoor/outdoor signage using LED |
| | □ All-in-one Kiosk (24"), all additional equipment embedded |
| | - Payment platform for developing Tizen payment module and ordering app, antibacterial finishing |
| Defrigeratore | □ Flip-edu (75 • 85") interactive feature for education |
| Refrigerators ~Feb 2024 | 177cm one-door built-in fridge enters the European market Expanded lineup of built-in packages |
| -1eb 2024 | - Highest energy rating based on new standards |
| | Secured superior capacity of the indirect cooling system |
| | Differentiated features of fresh storage of food (high-humidity refrigeration) and temperature flexibility |
| | (freezer→refrigerator) |
| | Address replacement demand and new demand for 48" refrigerators in the North American market |
| | Large capacity of 27.4cf for a built-in refrigerator |
| | - Differentiated Ice & Water Solution (Auto Fill Water Pitcher, Dual Auto Ice Maker) |
| | - Soft-closing doors give the product an high-quality, luxurious ambience |
| | Introduced a super-gap energy model in Korea (achieved first-class rating for its ultra-energy-efficiency, 22% achieved the first-class) Applies one of the world's most efficient compressor (W1, EER 9.3) |
| | Applies one of the world's most enclent compressor (wit, EER 9.5) Reduced the SET heat load (with increased VIP Coverage) |
| | Enhanced heat dissipation in machine room (additional side cooling on the comp side) |
| | □ Global Wide BMF Refrigerator |
| | Offers high-efficiency energy rating, incorporates AI Energy mode, and saves energy cost |
| | Expands usable interior space with SpaceMax, offering convenient storage |
| | - Offers smart services (e.g. automatic lighting adjustments by time of day) based on SmartThings |
| | |

| DX Division | |
|------------------------------|---|
| Research project | Details |
| | □ Custom Refrigerator for home specs in China home (W83cm) Enables seamless installation to fit perfectly in the kitchen with zero gap on both left/right sides to give a built-in look Application of AI energy mode to reduce actual energy usage (China Energy Label Grade 1) Provides specialize storage for food materials at optimal temperature and humidity with dry/wet boxes Applies Wide Open, an automatic wide door opening feature □ Refrigerator applying Peltier Achieves highest efficiency and maximum energy grade by applying Peltier and utilizing waste heat Combines advantages of two cooling methods (compressor + Peltier) to create value Achieves energy savings of 30% for Energy Grade 1, compared to the previous 22% savings for the same grade) Offers additional useable interior space with more compact Peltier cooling system (875L → 900L) |
| Washer ~Feb 2024 | □ Grande Al 24kg washer - 24kg, Flat Design (glass type) |
| 1 60 2024 | Features pet-care cycle (removes stains, smell, and allergens) Applied auto door opening (door opens automatically after the washing cycle ends) BESPOKE Grande AI OneBody Top-Fit BESPOKE Grande AI all-in-one washer for Korean market One-body design with 21 kg washer and 17 kg dryer all-in-one combo Simple flat design BESPOKE AI Washer-Dryer Combo |
| , | ONE Solution: Convenient washing and drying without transferring laundry AI Home: Easy operation with touch screen and voice-recognition AI customized course: Operation of optimized course based on laundry type |
| Air conditioner ~Aug 2023 | Increased revenue in the European market with an enhanced lineup that adopts the new the EHS platform Low-frequency noise regulation: met limits for noise regulation of each European country, centering on Germany Reinforced low-temperature performance: full heating performance at -25°C High-temperature discharged water: discharged water of up to 70°C in a single heat pump cycle Differentiated design: deep dark color 1 fan outdoor AC unit that harmoniously blends in with the living environment |
| | BESPOKE wind-free air conditioner WindowFit Wind-free mode cools air without directly blowing wind into the room Low-noise mode, with a 32dB level, reduces vibration and noise for better sleep Selection of high efficient energy saving modes tailored to different situations Enhanced cooling capabilities and larger fans enable stronger and more consistent cooling for a wider area Safe and simple installation kit allows for a seamless installation Infinite Line 1Way BESPOKE wind-free built-in air conditioner Ambient indirect edge lighting that creates a natural ambiance in the space Wind-free on wider area with high-efficiency energy saving mode 8-stage care system including for management of air quality and the inside of the air conditioner Al energy mode for energy reduction tailored to different situations New platform for the new Eco Heating System refrigerant (R290) for the European market Introduced a new refrigerant (R290) solution to comply with 2027 regulations High-temperature discharged water (max 75 °C) for boiler market's alternatives Achieved low noise (minimum 35dBA) |

| DX Division | |
|-----------------------------------|--|
| Research project | Details |
| Vacuums ~Mar 2023 | Bespoke Jet AI Vacuum (up to 280W suction) Continued to enhance suction power and the original POD (Clean Station); increased market share Enabled world's strongest suction power of up to 280W, which ensures powerful and hygienic cleaning Auto setting of the optimal cleaning mode and provides maintenance guidance based on self-diagnosis Jet Stick Vacuum 4.0 High-temperature cleaning brush Damp cloth brush that directly sprays high-temperature water onto stains Effectively removes stains by directly spraying high-temperature water (approximately 50 °C or above) onto the floor Quick preheating (around 20 seconds) and at least 30 minutes of use with one battery Convenient cleaning with light wet mop of 1.51kg without attaching additional battery Bespoke Jet Bot Combo—wet & dry robot vacuum for Korean market Able to separate wet and dry functions/Al-floor recognition/Al-object recognition Rotational wet mop featuring automatic removal, with features preventing carpet contamination Self-cleaning station; automatic mop cleaning/drying with steam sterilization |
| Range hoods Feb 2022 | Expanded lineup of premium hoods for home Unparalleled performance compared to existing products Optimal air flow with a smart monitoring ventilation system equipped with Triple Air Sensor Industry's strongest suction power of 780CMH; industry's lowest noise (29dB, Quiet Mark certification) Improved user convenience by pairing with an electric range and by adopting stainless steel filters with easy-to-clean coatings Design that reflects various needs of consumers (Bespoke colors) Entered the B2C market with easy-to-install products and adoption of installment process |
| Inverter dehumidifier May 2022 | Ultra-quiet inverter dehumidifier with first-class energy efficiency rating in Korea Fast and strong large-capacity dehumidifier with a wide blade Smart space care that keeps spaces from bathroom to dressing room pleasant Dries a wide range of clothing—even delicate items—with swing blade Simple design and compact size that fits anywhere Low-noise mode that remains quiet throughout extended hours of use |
| Dishwasher June 2022 | In-house technology platform that has a competitive edge in the European/Korean markets Fit for Tall Tubs for the European market Secured competitiveness with top-notch energy/water/low-noise specifications Strengthened premium experiences via differentiating features, such as an automatic dispenser (for Korean detergents) and a simple UX Differentiated specifications of Z-wash, Smart, Flexible Basket |
| Gas oven Aug 2023 | Dacor 48" Pro-Range for North American market Introduced 48" All Gas Pro range with transitional (Chef) look design on the exterior Incorporated healthier cooking POD features, such as air fry and air sous-vide Equipped with a 7" pop-up display Dacor 48" Pro-Range (Dual Fuel) for North American market Introduced 48" Dual Fuel) for North American market Introduced 48" Dual Fuel Pro range, with transitional (Chef) look design on the exterior Dual fuel, with electricity for the oven and gas for the cooktop Applied 6 burners + griddle cooktop specifications Combination of small oven 12" (new platform) + big oven 36" (previous platform) Provides Steam Assist function |
| Mobile eXperience | |
| Galaxy Foldable ~Aug 2023 | Galaxy Z Fold 4 (August 2022) Screen: Main display 7.6", cover display 6.2" Size (W x H x D): (folded) 67.1mm x 155.1mm x 14.2–15.8mm (unfolded) 130.1mm x 155.1mm x 6.3mm Platform (H/W, S/W): Snapdragon 8+ Gen 1, Android 12.0, One UI 4.1.1 Improved camera experience via Nightography picture/video, high-resolution (50M/8K), Space Zoom (30X) lens Easier and faster multi-tasking with the new Taskbar feature Easy-to-use Multi window thanks to various entry points Al-based recommendation of related features after recognition of text from an image Galaxy Z Flip 4 (August 2022) Screen: Main display 6.7", cover display 1.9" Size (W x H x D): (folded) 71.9mm x 84.9mm x 15.9–17.1mm (unfolded) 71.9mm x 165.2mm x 6.9mm Platform (H/W, S/W): Snapdragon 8+ Gen 1, Android 12.0, One UI 4.1.1 Supports 25W charging and offers 3700mAh battery Supports FlexCam, optimized for taking pictures/videos from various angles Easy and quick switch to and manipulation of applications in Flex mode Expanded the Cover screen function (simple reply, Samsung Wallet platform, increased Quick settings, etc.) |

| DX Division | |
|-------------------------|--|
| Research project | Details |
| Galaxy S (~Jan 2024) | □ Galaxy Z Fold5 (2023.08.) - Screen: Main display 6.7", cover display 6.2" - Size (W x H x D): (folded) 67.1mm x 154.9mm x 13.4mm (unfolded) 129.9mm x 154.9mm x 6.1mm - Platform (H/W, S/W): SM8550, Snapdragon 8 Gen 2, Android 13.0, One UI 5.1 - Slim, flat-folding design with the application of the Dumbbell Flex Hinge (waterdrop design) - Improved portability with an enhanced grip by reducing weight and thickness - Enhanced user experience by optimization for a large screen - Two-handed mode: Touch and hold the app/content with one hand and perform the action you like to carry out with the other - Taskbar optimization: Shows more recently used apps (2→4 apps); automatically extends the navigation bar - Enhanced Multi window switch function: Able to switch popup windows into the multi-window easily on the home screen - Galaxy Z Flip 5 (August 2023) - Enhanced durability: Strengthened shock absorption layers within display and changed structure of the hinge set - Slim and lightweight S-Pen and Case: Reduced the thickness and weight of S-Pen and its case by changing their shape □ Galaxy Z Flip 5 (August 2023) - Screen: Main display 6.7", cover display 3.4" - Size (W x H x D): (folded) 71.9mm x 85.1mm x (15.1mm (unfolded) 71.9mm x 165.1mm x 6.9mm - Platform (H/W, S/W): Snapdragon 8 Gen 2, Android 13.0, One UI 5.1 - Enhanced grip by reducing thickness and applying a slim, flat-folding design with a new hinge |
| | 77.9mm x 163.3mm x 8.9 mm Platform (H/W, S/W): Snapdragon 8 Gen 1 Exynos2200, Android 12.0, One UI 4.1 Strengthened camera video filming and low-light function performance Video: Improved HDR and OIS+AI Stabilizer performance to support rich colors and minimize shaking/jittering Enhanced low-light performance: Applies Big Pixel sensor and On-device AI algorithm Integrated Ultra/Note by equipping with S Pen* Optimized latency: 5.6ms (S21 Ultra) → 2.8ms (S22 Ultra) Improved outdoor visibility of display* Peak brightness: 1,500nit (S21 Ultra) → 1,750nit (S22 Ultra) Battery that can be used all-day and 45W ultra-fast charging speed (S22 Ultra/S22+) Enhanced durability: Adopts Amor AL and Victus+ Glass with a 10% improvement in durability Improved completion of Galaxy foundation experience One UI 4.1: sophisticated, sensible interaction experience and personal experience of users Galaxy Eco: improved end-to-end completion and enhanced convenient experience |

| DX Division | |
|------------------|--|
| Research project | Details |
| | □ Galaxy S23 · S23+ · S23 Ultra (February 2023) |
| | Design: Ultimate Premium Experience designed for today and beyond |
| | * Unrivalled Camera, Ultimate Gaming, Eco-conscious Design |
| | - Screen: S23 6.1", S23+ 6.6", S23 Ultra 6.8" |
| | - Size (W x H x D): S23 70.9 x 146.3 x 7.6 mm, S23+ 76.2 x 157.8 x 7.6 mm, 195g |
| | S23 Ultra 78.1 x 163.4 x 8.9 mm, 233g |
| | - Platform (H/W, S/W): Snapdragon 8 Gen 2, Android 13, One UI 5.1 |
| | Enhanced low-light performance based on AI and improved video experience Capable of expressing precise color and tone in portrait mode even in the dark with improved color solutions |
| | leveraging AI-based scene optimization technology |
| | Less camera shake for videos thanks to increased Optical Image Stabilization (OIS) correction angle (S22 Ultra 1.5°→ |
| | S23 Ultra3°) |
| | Offers crisp and clear, high-resolution details and high-resolution camera experience S23 Ultra adopted ultra-high-resolution 200MP camera |
| | Provides optimal picture quality with auto adjustment of pixel size for sections with different lighting conditions |
| | - Improved basic performance, such as heat dissipation and durability against drops |
| | · Offers seamless gaming experience by enhancing heat dissipation performance, including improved power efficiency and |
| | revamped heat dissipation structure |
| | Greater drop protection with adoption of Victus 2 Glass with durability enhanced by 21% |
| | S23 Ultra offers top-notch productivity experience with S-pen |
| | Al-based recommendation of related features after text recognition from an image/video |
| | - Improved connected experience with multiple devices (phone-PC) |
| | Capable of mirroring the smartphone screen on a PC and continuing browsing on the same webpage |
| | Adds to our sustainability story with the adoption of eco-friendly materials overall from dyes to the actual materials Declaring here is 100% regular appendix |
| | Packaging box is 100% recycled paper Adopte recycled PRT recipite hand matel (10%) recycled matel materials adopted in side (ave (28%)) ato |
| | Adopts recycled PBT resin to bond metal (10%), recycled metal materials adopted in side keys (28%), etc. Incorporated recycled glass into the front and back glass panels (22%), natural dyes when processing metals, |
| | recycled PET films, etc. |
| | - Strengthened privacy and security |
| 2 | Visualization of security status; notification of sensitive information when sharing images; and limiting access to private |
| | information when repairing products |
| | □ Galaxy S24 · S24+ · S24 Ultra (Jan 2024) |
| | - Introducing innovative Galaxy Intelligence experience by adopting Galaxy AI features |
| | Offers AI features including circle to search, real-time interpretation, photo/note/chat assist |
| | - Screen: S24 6.2", S24+ 6.7", S24 Ultra 6.8" |
| | Size (W x H x D): S24 70.6 x 147.0 x 7.6 mm 167g, S24+ 75.9 x 158.5 x 7.7 mm, 196g |
| | S24 Ultra 79.0 x 162.3 x 8.6 mm, 232g |
| | - Platform (H/W, S/W): Snapdragon 8 Gen 3/Exynos 2400, Android 14, One UI 6.1 |
| | - Strengthen immersive display experience through application of Slim even BM |
| | - Elevates a sense of design cohesion with one-mass design |
| | - Enhances camera shooting and gallery viewing/editing with the improved AI ProVisual Engine · Enables clear and high quality |
| | pictures with space zoom and nightography features for camera |
| | Offers Instant Slow-mo and Edit Suggestion |
| | - Improves outdoor visibility of the display * Peak brightness: 1,750nit \rightarrow 2,600nit |
| | - S24 Ultra enhances durability and maximizes premium quality with a titanium metal frame |
| | - S24 Ultra features a high-resolution telephoto camera * 10MP (S23 Ultra) \rightarrow 50MP (S24 Ultra) |

| | DX Division |
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| Research project | Details |
| Galaxy Tab | □ Galaxy Tab S8 · S8+ · S8 Ultra (February 2022) |
| ~August 2023 | - Screen: Tab S8 11" WQXGA+ (2560 x 1600) |
| | Tab S8+ 12.4" WQXGA+ (2800 x 1752) |
| | Tab S8 Ultra 14.6" WQXGA+ (2960 x 1848) - Size (W x H x D) & weight: Tab S8 165.3mm x 253.8mm x 6.3mm, 503g |
| | Tab S8+ 185.0mm x 285.0mm x 5.7mm, 567g Tab |
| | S8 Ultra 208.6mm x 326.4mm x 5.5mm, 726g |
| | - Platform (H/W, S/W):Snapdragon 8 Gen 1, Android 12, One UI 4.1 |
| | Memory: 8GB+128GB / 8GB+256GB / 12GB+256GB / 16G+512G, microSD up to 1TB |
| | - Enhanced video call experienced |
| | [Tab S8 Ultra] Provides dual front cameras (12M 80-degrees, 12M 120-degrees) and Auto Framing function [Tab S8+ |
| | / Tab S8] Provides 12M 120-degree front camera and Auto Framing function Enhanced AP Sustain performance by improving heat sink design (gpu 70%, cpu 25%↑ compared to previous model), |
| | enhanced gaming performance |
| | - Improved S pen latency (5.6ms \rightarrow 2.65ms) and optimized prediction algorithm |
| | Provides seamless and precise writing experience when writing & drawing, just like a real pen, enhancements to lessen the |
| | parallax effect |
| | - Enhanced the audio experience of video calls by upgrading 3 MIC noise cancellation performance (3 types of noise |
| | cancellation mode) Equipped with WiFi 6E function—a first for a tablet—and improved big data transmission time between devices |
| | Equipped with wire of Phone Power Share by half compared to the previous model by adopting D2D 15W charging function |
| | □ Galaxy Tab S9 · S9+ · S9 Ultra (August 2023) |
| | - Screen: Tab S9 11" WQXGA+ (2560 x 1600) |
| | Tab S9+ 12.4" WQXGA+ (2800 x 1752) |
| | Tab S9 Ultra 14.6" WQXGA+ (2960 x 1848) |
| | - Size (W x H x D) & weight: Tab S9 165.8mm x 254.3mm x 5.9mm, 498g |
| | Tab S9+ 185.4mm x 285.4mm x 5.7mm, 581g Tab |
| | S9 Ultra 208.6mm x 326.4mm x 5.5mm, 732g |
| \$ | Platform (H/W, S/W): Snapdragon 8 Gen 2, Android 13, One UI 5.1 Provided large-screen experience adapted with rich color impression and various environment settings |
| | Adopted Dynamic AMOLED 2X technology for all models in Tab S9 series, offering clear and comfortable screen |
| | experience |
| | · Implemented Vision Booster technology that ensures a vibrant screen, even in direct sunlight |
| | Secured mobility and dependability so users can use the product anywhere without any concerns |
| | Achieved IP68 rating, the highest level of waterproof/dustproof accreditation |
| | Armor Aluminum frame protects the product from impacts |
| | Enhanced usability eco-system by introducing an S-Pen that can be charged in either direction, and enhanced |
| | durability of accessories. |
| | Strengthened compatibility by making the keyboard and other accessories compatible with Tab FE models |
| | Introduced a new two-way heat dissipation structure using a vapor chamber, allowing users to use the product for a long |
| | time without discomfort |
| | - Secured sufficient Android App Eco system in various areas |
| | Strengthened key android productivity apps, including apps for taking notes, managing documents, and browsing— e.g., Samsung note, Good note |
| | Secured key apps to improve usability in drawing and photo/video editing: LumaFusion, Clip studio, etc. |
| | Utilized eco-friendly materials throughout the product, incorporating recycled components for the exterior and tempered glass |
| | Newly adopted recycled plastic on the S-Pen dock surface |
| | Used new recycled materials for tempered glass of the display (10%, Gorilla Glass 5) |
| | - Used 100% recycled paper and armor aluminum (20%) for package box and recycled plastic for interior materials |
| Galaxy A | □ Galaxy A23 (March 2022) |
| ~Mar 2024 | - Screen: 6.6" FHD+ (2408 x 1080) 90Hz Size (M x H x D) & weight 76 9mm x 165 4mm x 8 4mm 105c |
| | Size (W x H x D) & weight: 76.9mm x 165.4mm x 8.4mm, 195g Platform (H/W, S/W):SDM680, Android 12, One UI 4.1 |
| | Final off (1704, 3704). SDM000, And old 12, One of 4.1 6.6" FHD+ display, supports 90Hz screen refresh rate (previous model: A22 6.4" HD+ 90Hz) |
| | Vivid pictures in the dark without camera shake with the adoption of high-definition 50MP OIS camera |
| | Adoption of high-capacity 5,000mAh battery and supports 25W ultra-fast charging |

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| | DX Division |
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| Research project | Details |
| | 🗆 Galaxy A13 5G (January 2022) |
| | - Screen: 6.5" HD+ (1600 x 720) 90Hz |
| | - Size (W x H x D) & weight: 76.5mm x 164.5mm x 8.8mm, 195g |
| | - 6.5" HD+ display, supports 90Hz screen refresh rate (previous model: A12 6.5" HD+ 60Hz) |
| | - Super-low priced 5G model for LTE user migration and expansion of the 5G market |
| | - Strengthened AP (P35 \rightarrow D700) to address entry market |
| | Higher definition of pictures compared to the previous model (A12 16MP) with the application of 50MP camera |
| | □ Galaxy A13 LTE (March 2022) - Screen: 6.6" FHD+ (2408 x 1080) 60Hz |
| | - Size (W x H x D) & weight: 76.4mm x 165.1mm x 8.8mm, 195g |
| | - Platform (H/W, S/W):Exynos850, Android 12, One UI Core 4.1 |
| | Provides better large screen experience compared to the previous model (A12 6.5" HD+) by adopting 6.6" FHD+ display |
| | - Higher definition of pictures compared to the previous model (A12 48MP) by adopting 50MP camera |
| | - Able to use up to two days on a single charge by applying 5,000mAh high-capacity battery and Al Power mode |
| | □ Galaxy A73 5G (April 2022) |
| | - Screen: 6.7" FHD+ Super AMOLED+ (1080 x 2400) 120Hz |
| | Size (W x H x D) & weight: 76.1mm x 163.7mm x 7.6mm, 181g |
| | - Platform (H/W, S/W): SDM778G, Android 12, One UI 4.1 |
| | Vivid pictures in the dark without camera shake with the support of 108MP high-resolution picture quality and OIS Soft and place servers experience with the adaption of high reference and a MACLED display. |
| | Soft and clear screen experience with the adoption of high refresh rate of 120Hz and sAMOLED display Adopts 5,000mAh high-capacity battery (2-day battery life) and supports 25W ultra-fast charging speed |
| | Offers strong durability with the adoption of Gorilla Glass 5 and IP67 rating |
| | Provides the latest flagship experience with the support of One UI 4.1 |
| | □ Galaxy A53 5G (April 2022) |
| | - Screen: 6.5" FHD+ Super AMOLED (1080 x 2400) 120Hz |
| | - Size (W x H x D) & weight: 74.8mm x 159.6mm x 8.1mm, 189g |
| | - Platform (H/W, Ś/W): Exynos1280, Android 12, One UI 4.1 |
| | - 8.1t slim design and 5,000 mAh high-capacity battery (0.3t↓, 500 mAh↑ compared to previous model) |
| | - Soft and clear screen experience provided by the combination of high refresh rate of 120Hz and fast response speed of |
| • | sAMOLED |
| | - Enhanced glass durability with the adoption of Gorilla Glass 5 |
| | Provides the latest flagship experience with the support of One UI 4.1 |
| | □ Galaxy A33 5G (April 2022) |
| | Screen: 6.4" FHD+ Super AMOLED (1080 x 2400) 90Hz Size (W x H x D) & weight: 74.0mm x 159.7mm x 8.1mm, 186g |
| | - Platform (H/W, S/W): Exynos1280, Android 12, One UI 4.1 |
| | Delivers enhanced screen experience with the support of 6.4" FHD+ display and 90Hz (previous model: A32-5G HD+ TFT |
| | |
| | - High-definition pictures without camera shake with the adoption of 48MP OIS camera |
| | - Enhanced durability with the adoption of Gorilla Glass 5 and support of IP67 rating for dust and water resistance |
| | - Adopts 5,000 mAh high-capacity battery (2-day battery) and supports 25W ultra-fast charging speed |
| | □ Galaxy A23 5G (September 2022) |
| | - Screen: 6.6"FHD+ TFT LCD (1080 x 2408) 120Hz |
| | Size (W x H x D) & weight: 76.9mm x 165.4mm x 8.4mm, 197g |
| | - Platform (H/W, S/W): SDM695, Android 12, One UI 4.1 |
| | - Upgraded AP performance compared to previous model (A22-5G D700) with the application of SDM695 |
| | - High-resolution pictures without camera shake with the adoption of 50MP OIS camera (OIS is not supported in the North |
| | America region) Provides appaged large careen experience compared to providue model (A22.5C.6.6" HD + 90Hz) by adopting 6.6" FHD + |
| | Provides enhanced large-screen experience compared to previous model (A22-5G 6.6" HD+ 90Hz) by adopting 6.6" FHD+ Applies 5,000mAh large-capacity battery (2-day battery) and supports 25W ultra-fast charging |
| | □ Galaxy A14 5G (January 2023) |
| | - Screen: 6.6"FHD+ TFT LCD (2408 x 1080) 90Hz |
| | - Size (W x H x D) & weight: 78.0 x 167.7 x 9.1mm, 201g |
| | - Size (W XTYXD) & Weight. 76.0 X 107.7 X 9. minit, 201g - Platform (H/W, S/W): D700/Exynos1330, Android 13, One UI core 5.0 |
| | - High-resolution pictures (5MP \rightarrow 13MP) with adoption of higher spec front camera compared to previous model (A13- 5G) |
| | Enhanced screen experience compared to previous model (A13-5G 6.5" HD+) with adoption of 6.6" FHD+ large-screen display |
| | - Applies 5,000mAh large-capacity battery |

| DX Division | |
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| Research project | Details |
| | □ Galaxy A54 5G (March 2023) |
| | - Screen: 6.4" FHD+ Super AMOLED (2340 x 1080) 19.5:9 120Hz |
| | - Size (W x H x D) & weight: 76.7 x 158.2 x 8.2mm, 202 g |
| | - Platform (H/W, S/W): Exynos1380, Android 13, One UI 5.1 |
| | Improved visibility through enhanced performance of AP picture quality, fine-tuning by light condition, and peak |
| | brightness of 1,000nit Maximized performance by offering optimal refresh rate of 120Hz and boosted battery efficiency |
| | Provides rich haptics experience thanks to elaborate adjustment of linear motor vibration |
| | Enhanced balanced design and premium CMF (adopts 6.4", 19.5:9) |
| | - Offers the latest flagship experience with One UI 5.1 |
| | □ Galaxy A34 5G (March 2023) |
| | - Screen: 6.6" FHD+ Super AMOLED (2340 x 1080) 120Hz |
| | - Size (W x H x D) & weight: 78.1 x 161.3 x 8.2mm, 199g |
| | - Platform (H/W, S/W): D1080, Android 13, One UI 5.1 |
| | - Offers enhanced screen experience by featuring 6.6" FHD+, 1,000nit brightness, and 120Hz refresh rate |
| | High-resolution pictures without camera shake with adoption of 48MP OIS camera |
| | Equipped with a linear motor, which provides haptics experience of a flagship model |
| | □ Galaxy A14 (March 2023) |
| | - Screen: 6.6" FHD+ TFT LCD (2408 x 1080) 60Hz |
| | - Size (W x H x D) & weight: 78.0 x 167.7 x 9.1mm, 201g |
| | - Platform (H/W, S/W): Exynos 850/G80, Android 13, One UI core 5.1 |
| | - Offers enhanced selfie experience (8MP → 13MP) with adoption of higher spec front camera compared to previous model |
| | (A13) |
| | - Applies 5,000mAh large-capacity battery |
| | □ Galaxy A24 (May 2023) |
| | - Screen: 6.5" FHD+ sAMOLED U-Cut (1080 x 2340) 90Hz |
| | - Size (W x H x D) & weight: 77.6mm x 162.1mm x 8.3mm, 195g |
| | - Platform (H/W, S/W): G99, Android 13, One UI core 5.1 |
| 2 | Enhanced selfie experience (8MP |
| | Records videos without camera shake via the adoption of new VDIS in addition to the previous OIS feature Offers improved outdoor visibility compared to the A23, with wider color gamut spectrum, providing a brighter and more |
| | convenient screen experience |
| | □ Galaxy A05s (October 2023) |
| | - Screen: 6.7" FHD+ TFT LCD U-cut (1080 x 2400) 90Hz |
| | - Size (W x H x D) & weight: 77.8mm x 168.0mm x 8.8mm, 194g |
| | - Platform (H/W, Ś/W): SDM680, Android 13, One UI core 5.1 |
| | Drives market volume/share in entry-level LTE market |
| | - Higher spec than the previous A04S: Equipped with high-performance AP (Exynos850 8nm → SDM680 6nm) and high- spec |
| | front camera (5MP \rightarrow 13MP) |
| | - Adoption of high-capacity global 5,000 mAh battery and supports 25W ultra-fast charging (15W $ ightarrow$ 25W) |
| | Galaxy A05 (October 2023) |
| | - Screen: 6.7" HD+ TFT LCD U-cut (720 x 1600) 60Hz |
| | Size (W x H x D) & weight: 78.2mm x 168.8mm x 8.8mm, 195g |
| | - Platform (H/W, S/W): G85, Android 13, One UI Core 5.1 |
| | - Provides enhanced multimedia experiences with supports of large screen (6.7") and high-resolution camera (50MP) |
| | - Improves customers' product usability by incorporating high-performance AP (CPU 33% ↑, GPU 150% compared to the |
| | previous model) |
| | - Able to use long period on a 30-minute-charge with 25W fast charging |
| | □ Galaxy A25 5G (January 2024) |
| | - Screen: 6.5" FHD+ Super AMOLED (2340 x 1080) 19.5:9 120Hz |
| | - Size (W x H x D): 76.5 x 161.0 x 8.3 mm, 197g |
| | - Platform (H/W, S/W): Exynos 1280, Android 14, One UI 6.0 |
| | Supports 6.5" FHD+ and 120Hz refresh rates for an improved viewing experience Explanation provide the provide states with FOMD OLS wide explanation |
| | Enables high-resolution shake-free photos with 50MP OIS wide-angle camera Adaption of high capacity 5 000m (h battan) |
| | Adoption of high-capacity 5,000mAh battery |

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| DX Division | |
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| Research project | Details |
| | □ Galaxy A15 (January 2024) |
| | - Screen: 6.5" FHD+ Super AMOLED (2340 x 1080) 19.5:9 90Hz |
| | Size (W x H x D): 76.8 x 160.1 x 8.4 mm, 200g Platform (H/W, S/W): [5G] D6100+ / [LTE] G99, Android 14, One UI 6.0 |
| | - Enhances picture quality by upgrading display compared to the previous model (A14) (LCD \rightarrow Super AMOLED) |
| | Adoption of high-capacity 5,000mAh battery that supports 25W fast charging |
| | - Enhances security and privacy protection with Knox Vault |
| | □ Galaxy A55 5G (2024.03.) |
| | - Screen: 6.6" FHD+ Super AMOLED (2340 x 1080) 19.5:9 120Hz |
| | - Size (W x H x D): 77.4 x 161.1 x 8.2 mm, 213g |
| | - Platform (H/W, S/W): Exynos 1480, Android 14.0, One UI 6.1 |
| | - Provides stronger nightography and video recording experience with enhanced camera sensor and AP |
| | - Enhances design competitiveness by applying metal + glass and creating young & energetic CMF design |
| | - Provides improved screen viewing experience with 6.6" FHD+ large screen display, compared to the previous A54-5g with 6.4" |
| | □ Galaxy A35 5G (2024.03.) - Screen: 6.6" FHD+ Super AMOLED (2340 x 1080) 19.5:9 120Hz |
| | - Size (W x H x D): 78.0 x 161.7 x 8.2 mm, 209g |
| | - Platform (H/W, S/W): Exynos 1380, Android 14.0, One UI 6.1 |
| | - Applies HID (hole-in-display) and back glass for unique and distinctive design |
| | Enhances security with Knox Vault and guarantees quality by providing four OS updates and five security maintenance releases |
| Galaxy Book | Galaxy Book2 Pro 360 (April 2022) |
| ~February 2023 | - Screen: 15.6" FHD Super AMOLED (16:9), up to 500nit (HDR), Color Volume 120% |
| | 13.3" FHD Super AMOLED (16:9), up to 500nit (HDR), Color Volume 120% |
| | Size (W x H x D) & weight: 15.6" 354.85 x 227.97 x 11.9mm, 1.41kg |
| | 13.3" 302.5 x 202 x 11.5 mm, 1.04kg |
| | - Platform, OS: Intel ® Core™ Processor 12th Gen CPU, Windows 11 |
| | - sAMOLED: Default 370nit/HDR 500nit, Color volume 120% |
| | - S Pen & Touchscreen support |
| ٠ | - 1080p FHD Camera (87-degree wide angle, supports Auto Framing, which recognizes users and adjusts them to the center |
| | of the screen) - SSD: Gen4 SSD, Expendable SSD (M.2 2230) |
| | - Supports WiFi 6E |
| | - Battery: 15.6" 68Wh (21hrs), 13.3" 63Wh (21hrs) |
| | - Galaxy Apps: Quick Share, 2nd Screen, Multi-Control, etc. |
| | • QR Sign-in: logs into Galaxy Book with a QR scan linked to the account on your phone |
| | - Security: supports Secured-Core PC with enhanced security for each stage for hardware, firmware, and software |
| | □ Galaxy Book2 Pro (April 2022) |
| | - Screen: 15.6" FHD AMOLED (16:9), up to 500nit (HDR), Color Volume 120% |
| | 13.3" FHD AMOLED (16:9), up to 500nit (HDR), Color Volume 120% |
| | - Size (W x H x D) & weight: 15.6" 355.4 x 225.8 x 11.7mm, 1.11kg |
| | 13.3" 304.4 x 199.8 x 11.2mm, 0.87kg - Platform, OS: Intel ® Core™ Processor 12th Gen CPU, Windows 11 |
| | - AMOLED: Default 400nit/HDR 500nit. Color volume 120% |
| | 1080p FHD Camera (87-degree wide angle, supports Auto Framing, which recognizes users and adjusts them to the center |
| | of the screen) |
| | - SSD: Gen4 SSD, Expendable SSD (15.6" Only, M.2 2280) |
| | - Supports WiFi 6E, 5G Sub6 (15.6"Only) |
| | - Battery: 15.6" 68Wh (21hrs), 13.3" 63Wh (21hrs) |
| | Galaxy Apps: Quick Share, 2nd Screen, Multi-Control, etc. |
| | QR Sign-in: logs into Galaxy Book with a QR scan linked to the account on your phone |
| | - Security: supports Secured-Core PC with enhanced security for each stage for hardware, firmware, and software |

| | DX Division |
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| Research project | Details |
| | □ Galaxy Book2 Go 5G (December 2022) |
| | - Screen: 14" IPS (1920 x 1080) |
| | - Size (W x H x D): 323.9mm x 224.8mm x 15.5mm |
| | - Platform: Snapdragon 7C+ Gen 3, Window 11 |
| | - Developed Mass WoA product adopting 7C+ Gen3 (CPU 63%↑, GPU 102%↑ compared to Snapdragon 7C Gen 2) |
| | Improved picture quality of display (TN →IPS) Supports WiFi 6E, 5G Sub6 |
| | Adopted 5G model for the mass market which supports ENDC/eSIM |
| | - Supports 45W charging |
| | - Completed eight tests from the MIL-STD-810H certification |
| | - Shock, high/low temperature, thermal shock, dust, vibration, low pressure, humidity |
| | □ Galaxy Book2 Pro 360 (2023) (December 2022) |
| | - Screen: 13.3" FHD AMOLED (16:9), Touch Screen, Color Volume (DCI-P3) 100%, S Pen |
| | Size (W x H x D) & weight: 13.3" 302.5 x 202.0 x 11.5mm, 1.04kg |
| | Platform, OS: Snapdragon 8cx Gen 3, Windows 11 Home |
| | - AMOLED: 13.3" FHD Super AMOLED (16:9), Color Volume (DCI-P3) 100%, up to 370nit, S Pen |
| | - Speakers: Stereo 2 x 4W (Smart AMP), AKG, Dolby Atmos |
| | - SSD: eUFS on board, 256GB |
| | - WiFi 6E (802.11ax) - Battery: 63Wh (Video Play 35hrs↑) |
| | Galaxy ecosystem: Smart Switch, Samsung Account, Samsung Apps, Keyboard & Touch Pad Sharing between Galaxy |
| | devices |
| | Security: fingerprint recognition, Secured Core PC (Level 3, H/W & F/W Protection) |
| | - Al: Noise Reduction, Video Call with Neural Engine |
| | □ Galaxy Book3 Ultra (February 2023) |
| | - Screen: 16.0" OLED 120Hz, 370nit/500nit, 16:10 (2880 x 1800, 3K) |
| | Size (W x D x H): 355.4 x 250.5 x 16.5mm, 1.79kg, |
| | - Intel |
| | MIPI Camera, A/C/D AI, B Glass, TA 100W |
| د | - Adopts 13th Gen Intel® Core™ H-series mobile processor and next-generation Nvidia® GeForce RTX™ 40 Series |
| | graphics |
| | - 3K high-resolution display that adopts WQXGA+; color volume 120% |
| | Touch pad 39% larger in size (compared to Galaxy Book 2 Pro 33.7 cm / 39.6cm) Fast charging speed of 100W; charges 55% of battery in 30 minutes |
| | - Quad Speaker: features AKG and Dolby Atmos |
| | - Supports Galaxy Ecosystem |
| | Multi Control: capable of using keyboard and mouse on a smartphone and a tablet; can transfer files or copy and paste |
| | files and images between devices |
| | Second Screen: using Galaxy Tab as a dual monitor; capable of extending or replicating PC screen |
| | Quick Share: wireless file sharing between Galaxy devices, such as phone and tablet |
| | □ Galaxy Book3 Pro 360 (February 2023) |
| | - Screen: 16.0" WQXGA+ AMOLED (16:10) 2880 x 1800, Touch Screen, DCI-P3 120%, S Pen |
| | - Size (W x H x D) & weight: 16.0" 355.4 x 252.2 x 12.8mm, 1.66kg |
| | - Platform, OS: Intel ® Core™ Processor 13th Gen CPU, Windows 11 |
| | - Dynamic AMOLED 2X: 3K (2880x1800), 500nit (HDR), 120Hz, DCI-P3 120% |
| | S Pen & Touchscreen support 1080p FHD Camera (87-degree wide angle, supports Auto Framing, which recognizes users and adjusts them to the center |
| | Tooop FHD Camera (or-degree wide angle, supports Auto Framing, which recognizes users and adjusts them to the center of the screen) |
| | - Quad SPK (AKG/Dolby, Max 5Wx2, 2Wx2), Studio Grade Dual Mic |
| | - SSD: Gen4 SSD |
| | - Supports WiFi 6E |
| | - Battery: 76Wh |
| | - Galaxy Apps: Quick Share, 2nd Screen, Multi-Control, Samsung Pass, etc. |
| | - Security: supports Secured-Core PC with enhanced security for each stage for hardware, firmware, and software |

| DX Division | |
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| Research project | Details |
| | □ Galaxy Book3 Pro (February 2023) - Screen: 16" WQXGA+ AMOLED (16:10), up to 500nit (HDR), 120Hz, DCI-P3 120% 14" WQXGA+ AMOLED (16:10), up to 500nit (HDR), 120Hz, DCI-P3 120% |
| | - Size (W x H x D) & weight: 16" 355.4 x 250.4 x 12.5mm 1.56kg 14" 312.3 x 223.8 x 11.3mm 1.17kg |
| | Platform, OS: Intel ® Core[™] Processor 13th Gen CPU, Windows 11 Dynamic AMOLED 2X: 3K (2880 x 1800), 500nit (HDR), 120Hz, DCI-P3 120% 1080p FHD Camera (87-degree wide angle, supports Auto Framing, which recognizes users and adjusts them to the center |
| | of the screen) - Quad SPK (AKG/Dolby, Max 5Wx2, 2Wx2), Studio Grade Dual Mic |
| | SSD: Gen4 SSD, Expendable SSD (M.2 2280) Supports WiFi 6E |
| | Battery: 16" 76Wh, 14" 63Wh Galaxy Apps: Quick Share, 2nd Screen, Multi-Control, Samsung Pass, etc. |
| | Security: supports Secured-Core PC with enhanced security for each stage for hardware, firmware, and software Galaxy Book3 360 (February 2023) Screen:15.6" FHD Super AMOLED (16:9), up to 500nit (HDR), DCI-P3 120% |
| | 13.3" FHD Super AMOLED (16:9), up to 500nit (HDR), DCI-P3 120% Size (W x H x D) & weight: 15.6" 355.4 x 228.0 x 13.7mm, 1.49kg 13.3" 304.4 x 202.0 x 12.9 mm, 1.16kg |
| | Platform, OS: Intel 13th Gen CPU (EVO Verified by Intel), Windows 11 sAMOLED: 1080p FHD, 500nit (HDR), 60Hz, DCI-P3 120% S Pen & Touchscreen support |
| | 1080p FHD Camera (87-degree wide angle, supports Auto Framing, which recognizes users and adjusts them to the center of the screen) |
| | Stereo SPK (Dolby, 2Wx2), Studio Grade Dual Mic SSD: Gen4 DRAM-less SSD, Expendable SSD (15.6") Supports WiFi 6E |
| | Battery: 15.6" 68Wh, 13.3" 61.1Wh Galaxy Apps: Quick Share, 2nd Screen, Multi-Control, Samsung Pass, etc. |
| | Security: supports Secured-Core PC with enhanced security for each stage for hardware, firmware, and software Galaxy Book4 Ultra (2024.01.) |
| | Screen: 16" WQXGA+ AMOLED (16:10) Touch Screen, Anti-Reflection Size (W x D x H) & weight: 355.4 x 250.4 x 16.5mm, 1.86kg |
| | Platform, OS: Intel® Core[™] Ultra Processor, Windows 11 Dynamic AMOLED 2X: 3K (2880x1800), 120Hz, color volume 120% (DCI-P3 basis), 500nit (HDR) Graphic: NVIDIA® GeForce RTX[™] 4050/4070 |
| | AKG Quad speaker (Woofer Max 5W x 2, Tweeter 2W x 2), Smart Amp, Dolby Atmos®, 2M Camera Memory, SSD : LPDDR5X, NVMe SSD |
| | - Bluetooth v5.3, WiFi 6E, 802.11 ax 2x2 - Battery: 76Wh (typical) □ Galaxy Book4 Pro (2024.01.) |
| | Screen: 16" WQXGA+ AMOLED (16:10) Touch Screen, Anti-Reflection 14" WQXGA+ AMOLED (16:10) Touch Screen, Anti- Reflection |
| | Size (W x H x D) & weight: 16" 355.4 x 250.4 x 12.5mm, 1.56kg 14" 312.3 x 223.8 x 11.6mm, 1.23kg |
| | Platform, OS: Intel® Core[™] Ultra Processor, Windows 11 Dynamic AMOLED 2X: 3K (2880x1800), 120Hz, 120% color volume (DCI-P3 basis), 500nit (HDR) Graphic: Intel® Arc[™] Graphics |
| | AKG Quad speaker (Woofer Max 5W x 2, Tweeter 2W x 2), Smart Amp, Dolby Atmos®, 2M Camera Memory, SSD: LPDDR5X, NVMe SSD |
| | Bluetooth v5.3, WiFi 6E, 802.11 ax 2x2 Battery: 16" 76Wh, 14" 63Wh (typical) |

| DX Division | |
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| Research project | Details |
| | □ Galaxy Book4 Pro 360 (2024.01.) Screen: 16" WQXGA+ AMOLED (16:10) Touch Screen, Anti-Reflection, supports S-pen Size (W x H x D) & weight: 355.4 x 252.2 x 12.8mm, 1.66kg Platform, OS: Intel® Core™ Ultra Processor, Windows 11 Dynamic AMOLED 2X: 3K (2880x1800), 120Hz, 120% color volume (DCI-P3 basis), 500nit (HDR), S-pen Graphic: Intel® Arc™ Graphics AKG Quad speaker (Woofer Max 5W x 2, Tweeter 2W x 2), Smart Amp, Dolby Atmos®, 2M Camera Memory, SSD: LPDDR5X, NVMe SSD Bluetooth v5.3, WiFi 6E, 802.11 ax 2x2 Battery: 76Wh (typical) |
| Galaxy Watch ~August 2023 | Dates Y, Orthony C, Alager Markov S, Alager M, Salager M, Salag |

| DX Division | | |
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| Research project | Details | |
| Galaxy buds ~August 2022 | Galaxy Buds 2 Pro (August 2022) Kernel-type premium TWS that offers high-quality 24bit Hi-Fi audio and comfortable fit Size (W x H x D): Earbuds 21.6mm x 19.9mm x 18.7mm Cradle 50.2mm x 50.1mm x 27.7mm Platform (H/W, S/W): BES2700YP 1Chip solution, RTOS | |
| Networks | | |
| RAN S/W Package ~November 2023 | vRAN* SW Package (November 2023) vRAN (virtualized RAN) Integrated 4th generation CPU from company "I" into our vRAN SW Package, applying it to a vRAN commercial network for the first time in industry Successfully conducted data call on vRAN commercial network equipped with 4th generation CPU, following previous success in large-scale vRAN commercialization utilizing 3rd generation CPU | |
| Base stations ~May 2023 | Domestic 3.5GHz NR 32T32R TDD MMU (February 2022) Applied Mechanical PSA (phase shift antenna) for the first time * Automatically controls the antenna angle (tilt 0-12°) inside the MMU with a motor Developed high-performance RFIC + DFE integrated chip (April 2022) * RFIC (Radio Frequency Integrated Circuit): high-frequency integrated circuit suitable for wireless communication Two types of FDD RU for Dish (Dual Band/Tri Band RU) (September 2022) Developed 5G FDD RU product that complies with the O-RAN standard and supports multiple frequency bands at the same time * frequency supported by RU: n71 (600MHz), n29 (700MHz), n66 (AWS: 1.7GHz/2.1GHz), n70 (AWS: 1.7GHz/1.9GHz) Gen.3 Dual Band NR 2T2R AU (October 2022) Developed the world's first Dual Band (28GHz+39GHz) AU Upgraded product performance by increasing output and capacity twofold with the same size compared to the existing 2nd generation AU Domestic 3.5GHz NR 64T64R MMU (November 2022) Developed 64T64R Massive MIMO MMU, which was commercialized in the domestic market for the first time Increased antenna elements twofold and output by 2.7 times compared to the existing 32T32R MMU (old model) for the domestic market 3.5GHz CBRS NR Strand Smallcell (March 2023) Developed Strand Small Cell (small cell solution designed to be installed on cables) for the first commercial use Cell solution that integrates baseband, radio, and antenna into a single form factor Equipped with the Company's newest in-house chipset—2nd generation 5G modem SoC—and its small size enables installation on cables C-band NR 64T64R MMU (2023.05.) for North America More compact and lightweight 64 | |
| DRAM for mobile Sep 2023 | Development of industry's first LPCAMM Development of industry's first LPCAMM Developed LPDDR-based modules, leading the next-generation markets like PC and laptops Improved performance by 50%, power efficiency by 70%, and mounting area by 60% compared to SO-DIMMs, and improved flexibility in manufacturing as well as user convenience with easy upgrade/replacement Set to be tested using next-generation systems with major customers and slated for commercialization in 2024: expected to gain wide adoption in next-generation PCs, laptops and data centers. | |

| DX Division | | |
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| Research project | Details | |
| DRAM for server | Development of industry's most advanced 12nm-class DRAM | |
| December 2022 – | - Developed the industry's first 12mn-class 16Gb DDR5 DRAM, securing high-performance and low power features optimized for | |
| Sontombor 2022 | next-generation computing services | |
| September 2023 | Improved productivity by approximately 20% and reduced power consumption by approximately 23% compared to previous models Mass produced starting in 2023, providing optimal memory solutions for next-generation systems for customers, with applications expected to expand to data centers, AI, and next generation computing Mass production of the industry's most advanced 12nm-class DRAM | |
| | Enhanced productivity and improved low power consumption characteristics compared to 14-nano DRAM, improving productivity by approximately 20% and reducing power consumption by approximately 23%, which maximizes next- generation computing | |
| | Produced via our completed highly advanced node that applies cutting-edge technologies, such as a capacitor utilizing a new material with a high dielectric constant | |
| | Provide high-performance and high-density DRAM solutions to meet demand for the high-throughput computing market and expand 12nm-class DRAM lineup, which will be supplied to various applications | |
| | Development of the largest-capacity 32Gb DDR5 DRAM to date 40 years after the development of 64Kb DRAM in 1983, capacity has increased by 500,000 times | |
| | Enables the production of 128GB modules without TSV processes; improved power efficiency by 10% compared to 12-nano | |
| | 16Gb based modules with the same capacity | |
| | Provides high density DRAM solutions optimized for AI and enables 1TB module production | |
| | Expects to enter mass production within 2024 to be supplied to various applications such as Al and next-generation computing | |
| Graphic DRAM | □ Development of GDDR6 DRAM, industry's one of the fastest graphic DRAMs | |
| July 2022–July 2023 | - First in the industry to deliver speeds up to 24Gbps by applying 3rd generation 10nm-class (1z) process | |
| | Met customer needs by enhancing performance by more than 30% compared to the previous product, leading to processing speeds of up to 1.1TB per second; supporting operation voltage of 1.1V; and improving power efficiency by 20% | |
| | Secured compatibility by being fully compliant with specifications of JEDEC, an international semiconductor standardization body Expanded applications, including next-generation graphics cards, AI, and HPC | |
| | Development of GDDR6W, graphics memory that applies advanced packaging technology | |
| | - GDDR6W is manufactured by introducing Fan-Out Wafer-Level Packaging (FOWLP) technology—a construction and stacking | |
| | technology—without developing a new memory die | |
| | Increased performance (bandwidth) and capacity by twofold while maintaining the same packaging size of GDDR6 Development of the industry's first GDDR7 DRAM | |
| | With the development of industry's fastest 32Gbps GDDR7 DRAM, we improved performance by 1.4 times and power efficiency by 20% compared to the previous 24Gbps GDDR6 | |
| | Minimized heat generation during high-speed operation through optimization of the circuit design with new package materials Set to be tested using next-generation systems with major customers within this year and planned for a timely commercialization to gain wide adoption in next-generation graphic cards, high-performance computing and AI | |
| НВМ | □ Developed Al-accelerator equipped with HBM-PIM and GPU | |
| October 2022–February 2024 | Materialized HBM-PIM Cluster by installing HBM-PIM memory in AMD's GPU accelerator | |
| | Compared to existing GPU accelerators, on average, the addition of HBM-PIM improved performance by more than double | |
| | and reduced energy consumption by more than 50% | |
| | - In preparation to provide software that supports accelerators equipped with HBM-PIM, so consumers are expected to be able | |
| | to use PIM memory solutions in an integrated software environment | |
| | Unveiled ultra-high performance HBM3E DRAM Shinebolt that will lead AI technology innovation Provides high-performance of up to 9.8Gbps per one data input/output pin, allowing speed capable of processing up to 1.2TB | |
| | of data per second | |
| | Achieves high-level stacking for HBM chips by optimizing non-conductive film technology for dense chip stacking without gaps, and improved heat transfer coefficient by maximizing heat conduction | |
| | Currently mass-producing 8-layer and 12-layer HBM3 products and delivering samples of the next-generation HBM3E to customers | |
| | □ Developed industry's first 36GB HBM3E 12H DRAM | |
| | - Achieved industry's highest capacity of 36GB by stacking 12 layers | |
| | With Advanced TC NCF technology, achieved 12-layer stacks by maintaining the same height as 8-layer HBM3 and also improved both performance and capacity by over 50% | |
| | Enhanced vertical integration with 7 micrometer chip spacing—the industry's smallest— and applied various bump sizes Started sample shipping to customers, with mass production expected in 2H | |

| DX Division | | |
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| Research project | Details | |
| NAND November 2022 | Mass production of 8th generation V-NAND Mass production of 1Tb 8th generation V-NAND, which is among the highest capacities in the world Significantly enhanced bit productivity per wafer and secured one of the industry's highest bit density Enhanced performance by 1.2 times compared to existing model, featuring an input and output (I/O) speed of up to 2.4Gbps with the adoption of a next-generation interface Expected to lead the trend of expanding storage capacity in next-generation enterprise servers and extend use into the automotive market, in which reliability is critical | |
| eStorage ~May 2022 | Development of highly advanced UFS 4.0 Improved reading/writing speed by approximately twofold compared to UFS 3.1 product Enhanced power efficiency by approximately 46% for processing the same amount of data, which allows longer hours of use Improved a function that reads and saves customer's important data by adopting the latest security technologies Expected to expand into consumer devices, such as smartphones, automotives, and VR/AR | |
| SSD for server July 2022 | Development of '2nd generation smart SSD' with upgraded processing functionality Enhances processing functionality by twofold and cuts processing time by over 50%, energy consumption by up to 70%, and CPU utilization by up to 97% Processes data directly, thereby improving system performance and energy efficiency at the same time Actively address various market needs, including database and video transcoding Lead standardization of computational storage and increase development of next-generation storage products | |
| SSD for Client January 2023 | Mass production of PM9C1a, a high-performance PC SSD equipped with a 5nm controller Elevated performance with a new 5nm controller and 7th generation V-NAND Enhanced speed by up to 1.8 times and power efficiency by up to 70% vs the previous generation Supports device authentication and verification technology with strengthened security solutions such as the new adoption of the Device Identifier Composition Engine (DICE) security standard | |
| Brand SSD April 2022–January 2024 | Released portable SSD 'T7 Shield' for experts that offers both performance and durability Built with dust and water resistance and drop resistance up to 3m Transmits data stably without performance degradation, including when recording and editing high-resolution videos Unveiled high-performance SD '990 PRO' optimized for gaming Offers unparalleled performance by featuring the latest V-NAND technology and a new proprietary controller Enhanced speed by up to 55% and power efficiency by up to 50% compared to previous model Offers optimal performance for an environment in which ultra-high speed data processing is required, such as high-performance graphic games and 4K/8k high-resolution videos Released high-performance SD '990 PRO' 4TB Offers the fastest random read speed among PCle 4.0-based consumer SSDs by applying state-of-art 8th generation V-NAND and achieving industry's highest performance Optimized for tasks that require ultra-fast data processing, such as high-performance games and 3D/4K graphics Strengthened compatibility and heat dissipation through design and application of a heat diffuser and heat sink Launched ultra-fast portable SSD T9' Supports new data transmission interface, USB 3.2 Gen2x2, achieving approximately 2x improvement in consecutive reading/writing compared to the previous generation Improves surface materials and achieves software optimization to reduce degradation and overheating during transmission of large files Launched 8TB portable SSD T5 EVO, the largest capacity in industry Provides consecutive reading/writing with a speed of up to 460MB/s based on USB3.2 Gen1 Enhanced overheating prevention and hardware data encryption technologies Launched customer SSD '990 EVO' with high-performance and versatility Improved reading/writing speed by | |

| DX Division | |
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| Research project | Details |
| CXL May 2022 – May 2023 | Development of industry's first high-capacity 512GB CXL DRAM Enhanced capacity of CXL DRAM by four times, which allows expansion of over tens of terabytes per server Equipped with CXL-exclusive controller, reducing data latency by 1/5 |
| | Development of CXL-based PNM solution for high-capacity AI models PNM's (Processing-near-Memory) computational functions are performed closer to the memory to reduce the |
| | bottleneck between the CPU and memory data transference and to improve system performance Enhanced performance by approximately twofold in applications, such as recommendation systems or in-memory |
| | databases, that require high memory bandwidth □ Development of industry's first CXL 2.0 DRAM - Overcomes limitations of DRAM modules, enabling expansion of bandwidth and capacity |
| | Reduced server operation costs by supporting memory pooling, which assists splitting-use of CXL DRAM Expands CXL ecosystem through continued collaboration with data centers and server and chipset companies; and become an industry leader by promptly addressing demand in the next-generation computing market |
| Brand Card May 2022-Feb 2024 | Released memory card 'PRO Endurance' with enhanced performance and durability Adopts high-quality server-level NAND durability that allows up to 16 years of continuous recording time Optimized for high-resolution (4K, Full HD) video recording equipment, such as surveillance video and black box Keeps stable recording performance even in tough conditions, applies 6-proof protection Supports speed of Class 10, UHS Class U3, and video speed of Class V30; can continuously record Full HD • 4K high- |
| | resolution videos Released memory card 'PRO Ultimate' with enhanced speed and stability 'PRO Ultimate' provides the highest level of 200MB/s read speed and 130MB/s write speed under the UHS-I standard, improving power efficiency by 37% compared to previous models and achieving data protection against extreme external conditions such as water, moisture, abrasion, X-ray, and temperature. Provides the optimal SD Cards/Micro SD Cards for high-resolution content work catering to professional photographers and creators who use devices like drones, action cameras, and DSLR |
| | Developed industry-first SD Express microSD Card Offers industry's highest continuous reading performance of 800MB/s and 256GB capacity First to apply Dynamic Thermal Guard technology—which has been used in SSDs—to effectively addressed overheating in small form factors |
| , | Mass produced high-density 1TB UHS-I micro SDcard, based on the most recent V-NAND Achieved terabyte-level capacity in microSD cards with 8th generation V-NAND Ensures data protection data in extreme environments (e.g. water, abrasion from dropping) |
| Automotives July 2023-October 2023 | Mass production of ultra-low-power UFS 3.1 for vehicles Began mass production of Infotainment (IVI) UFS 3.1 for vehicles, which has the lowest power consumption in the industry and is optimized for EVs and autonomous vehicles Offers 33% lower power consumption compared to the previous generation, with a maximum read speed of |
| | Chief's 35 /s lower power consumption compared to the previous generation, with a maximum read speed of 2,000MB/s and a maximum write speed of 700MB/s for 256GB Strengthened storage product lineup for automotives by establishing lineup of 128GB/256GB/512GB products to meet various customer needs; and established UFS 3.1 products for advanced driver assistance systems Unveiled key solutions for vehicles to reach no.1 in automotive memory market in 2025 |
| | Onveried key solutions for venicles to reach no. If in automotive memory market in 2025 Unveiled Detachable AutoSSD that allows multiple SoCs to use a single SSD divided through storage virtualization, supporting consecutive read speed up to 6,500MB/s and providing 4TB capacity Showcased high bandwidth GDDR7 for vehicles and LPDDR5X with reduced packaging size |

| | DS Division |
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| Research project | Details |
| System LSI | |

| Foundry | |
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| lanuary 2022 | Combines hardware security chip (SE, Secure Element), fingerprint sensor, and Secure Processor in one IC Received globally accredited certifications in security, EAL6+ from Common Criteria (CC) and global online card payment technical standard (EMVCo) and proved security in line with Mastercard's Biometric Evaluation Plan Summary. |
| SLSI | Features content recognition image processing with powerful AI function Enhanced graphics performance over the previous generation with AMD RDNA-based Xclipse 530 GPU Released all-in-one fingerprint security IC for biometric payment cards (S3B512C) |
| | - Improved power efficiency by 22% over the previous model by applying the latest 4nm technology |
| | Unveiled latest technology mobile AP Exynos 1480 |
| | With enhanced AI performance, it provides on-device generative AI functions without internet connection First Exynos to adopt Non-Terrestrial Network technology |
| | model With enhanced AL performance, it provides on device generative AL functions without internet connection |
| | - Offers industry's highest performance of ray tracing with 2.1 times higher level of performance compared to the previous |
| | □ Unveiled advanced Mobile AP Exynos 2400 |
| | Offers high level of safety by adopting ASIL-B safety standard for vehicle system |
| | Supplies Exynos Auto V920 for premium infotainment to Hyundai Significantly enhanced performance compared to the previous V910 model, offering optimal mobility experiences for drive |
| | First Infotainment collaboration with Hyundai Motor Company |
| | Expands eco-system for next-generation graphic solution R&D |
| | Offers console-level gaming experiences on various devices beyond smartphones |
| | □ Expands Samsung Electronics-AMD partnership for next-generation graphic design asset |
| | - Certified by FiRa Consortium, an organization that certifies UWB products for conformity to interoperability standards |
| | external hacking |
| | Equipped with a scrambled timestamp sequence (STS) function and a secure hardware encryption engine to prevent |
| | Provides an accuracy of single-digit centimeters and 5-degrees and under Low-power, one-chip solution optimized for various mobile, automotive, and IoT devices |
| | □ Unveiled Exynos Connect U100, an ultra-wideband (UWB) chipset for short-range wireless communications |
| | - Supports two-way transmission of large-capacity data, including text messaging and video sharing |
| | Adopted technologies that accurately predict low Earth orbit satellite locations and minimize frequency offsets |
| | Reflects the latest standard (Release-17) of 3GPP, which unites telecommunications standard development organizations |
| | Secured internationally standardized 5G non-terrestrial networks (NTN) modem technology for satellite communications Reflects the latest standard (Release 17) of 3CPP, which upites telecommunications standard development |
| | learning performance |
| | - Enhanced NPU performance by more than twofold compared to the previous model, significantly enhanced machine |
| | Strengthened performance and security by adopting the core based on the latest ARM CPU architecture 'Armv9' |
| | eπiciency - Enabled Ray Tracing technology based on hardware on mobile devices—a first in the industry |
| anuary 2022–March 2024 | Adopted the next-generation GPU Xclipse jointly developed with AMD, maximized gaming performance and power efficiency |
| xynos | Released premium mobile AP 'Exyros 2200' |
| | Recognizes even minute movements in the user's pupils, facial expressions, hand motions, etc. |
| | - Simultaneously exposes all pixels to light, just like the human eye, increasing speed and accuracy. |
| | □ Unveiled ISOCELL Vision 931 Global Shutter sensor (931, 2.2um/0.4Mp) |
| | Supports surface light source and point light source modes and extends maximum measurement distance to 10m |
| | An industry-first single-chip iTOF sensor which reduces system power consumption by 40% compared to the previous sensor (33D) |
| | - Measures three dimensional information of objects by sensing light wavelengths |
| | Unveiled ISOCELL vision 63D iTOF (indirect time of flight) sensor (63D, 3.5um/0.3Mp) |
| | Applies DTI (deep trench isolation) to prevent interference between adjacent pixels and improves low-light SNR |
| | Enables automotive120dB HDR, LFM (LED flicker mitigation) and motion-artifact free simultaneously |
| | Applied Super QPD, which allows the sensor to use all its pixels for auto-focusing Launched industry's highest- performance image sensor for vehicles (1H1, 2.1um/8.3Mp) |
| | Adopted Dual Slope Gain, creating an HDR image as high as 50MP—industry's first |
| | - Leveraged Tetra2pixel technology, offering vivid picture quality even in low-lit environments |
| | - Applied Dual Vertical Transfer Gate technology—industry's first—and enhanced color expression and picture quality |
| | □ Launched 200-megapixel image sensor combined with ultra-high resolution technologies (HP2, 0.6um/200Mp) |
| | Improves picture resolution for 200 megapixel and usability of a 50 megapixel sensor zoom by applying AI-based image process solutions |
| | - Utilizes Tetra2pixel technology, which offers vivid picture quality even in low-light environments |
| anuary 2022–December 2023 | - With the Super Quad Phase Detection (QPD) technology, enables auto-focusing feature for all 200 megapixels |
| | - Reduced camera module area by up to 20% with 12% smaller pixels compared to the previous HP1 (0.64um) |

| World's first 3nm process that | World's first mass production of 3nm process that adopts Gate-All-Around (GAA) transistor technology |
|------------------------------------|---|
| adopts GAA technology June 2022 | Maximized power efficiency and performance by implementing 'MBCFET', our in-house GAA technology that utilizes nanosheets |
| | 1st-generation 3nm process reduced power consumption by 45%, improved performance by 23%, and reduced surface area by 16% compared to 5nm |
| | GAA technology overcomes the performance limitations of FinFET, allowing to continue to make smaller chips |
| | The gate surrounds all four faces of the channel, which enables finer control of current flow and reduces operating voltage and power consumption |
| | - The structure in which the channels are piled up vertically boosts performance as it increases channel width per unit area |
| | and allows greater amount of current to flow |
| | - The width of channels can be adjusted, giving better design flexibility |
| | Providing verified 3nm design infrastructure and services with ecosystem partners |
| | - Planning to expand adoption into high-performance, low-power system semiconductors for HPC, mobile SoCs, etc. |

| SDC | |
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| Research project | Details |
| Display panel | |
| 55/65" QD-Display January 2022 | World's first QD-Display for TV (55" UHD, 65" UHD) Exceptional wide color gamut of BT2020 90% Expresses outstanding brightness and color at any angle with QD display which emits light evenly across all directions Excellent HDR performance, deep and detailed black expression |
| 34" QD-Display March 2022 | World's first QD-Display for monitor (34" QHD) Provides superb gaming experience by supporting 175Hz, 0.1ms, 1800r, HDR True Black, and G-Sync Outstanding color, viewing angle, and contrast ratio and minimized exposure to blue light |
| Foldable OLED for Galaxy Z Fold 4 August 2022 | Promoting additional improvements compared to previous model Significantly improved display quality in the location of the Under Panel Camera while maintaining camera performance and emphasized large-screen experience Enhanced energy efficiency with Eco2 OLED Plus with improved transmittance efficiency Reduced costs and weight via integrated FRP-Digitizer panel |
| 14/16" OLED for Galaxy Book 3 Pro February 2023 | Development of the world's first large-sized (16") OCTA technology Expanded the application of OCTA—touch-integrated technology—from smartphone OLED to middle-sized laptop OLED panels Minimized the dead space of panels via development of new materials and process technologies Reduced power consumption with the first adoption of OLED notebooks with refresh rate of 48–120Hz |
| 16" OLED Development for HP Elitebook April 2023 | Achieves power-efficiency and durability through improvements in OLED organic materials 16" WQ+ (2,880 x 1,800, 16:10) Applied 48Hz–120Hz, VRR (Variable Refresh Rate) and received AMD Freesync Premium Pro certification; provides an optimal gaming environment |
| OLED for Google Pixel 8 pro October 2023 | Through application of new OLED materials that are highly efficient and long-lasting, high luminance (HBM 1,600nits, peak 2,400nits) was achieved. 6.7" WQXGA+ (1,344 x 2,992) Applied 1–120Hz VRR (variable refresh rate) and technology to minimize dead space |
| Galaxy S24 AMOLED Jan 2024 | Galaxy S24 (6.16"FHD+, 6.66"WQ+, 6.79WQ+) Combines high-resolution low power consumption technology with technology to minimize panel dead space Achieves high-luminance, low power and slim bezel and improves image quality and user experience |
| 31.5"UHD, 27"QHD QD-OLED Jan 2024 | Developed 31.5" (140ppi), 27" (360Hz) QD-OLED monitor Developed self-emitting display with high-resolution (140ppi) and high refresh rate (360Hz) with precision inkjet printing technology and Samsung's AI-based operating algorithms |