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Samsung System LSI

Investor Presentation

2026

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Key Takeaways

Financial Highlights

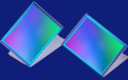
Steady growth based on endless technology innovations

On-device AI



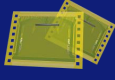
Pioneering with flagship processor

200 Megapixel

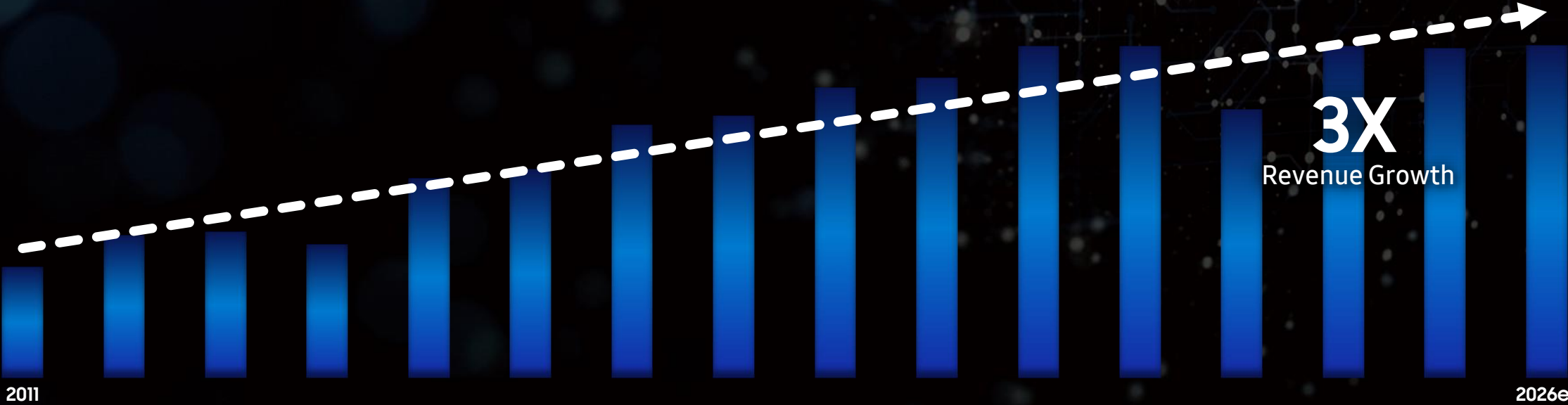


Expanded applications of 200MP image sensor

20+ Years



Leading display driver IC market



3X
Revenue Growth

Business Portfolio

Broad range of logic chips for diverse applications

Mobile SoC (SAMSUNG Exynos logo)
Mobile CIS (Two camera sensors)
Power Management IC (SAMSUNG Power IC chip)
Display Driver IC (Yellow display panels)
NFC/eSE/SIM Banking/ID Security IC (SAMSUNG eSE chip and SIM card)
DTV SoC (SAMSUNG DTV SoC chip)
Auto Modem (SAMSUNG Exynos Auto T logo)
Auto CIS (Automotive camera sensor)

Smartphone

Wearable

Automotive

Physical AI

Global Network

Worldwide R&D expertise for top-notch technologies



 R&D Center
 Regional Office

* Excluding domestic, as of September, 2023 .

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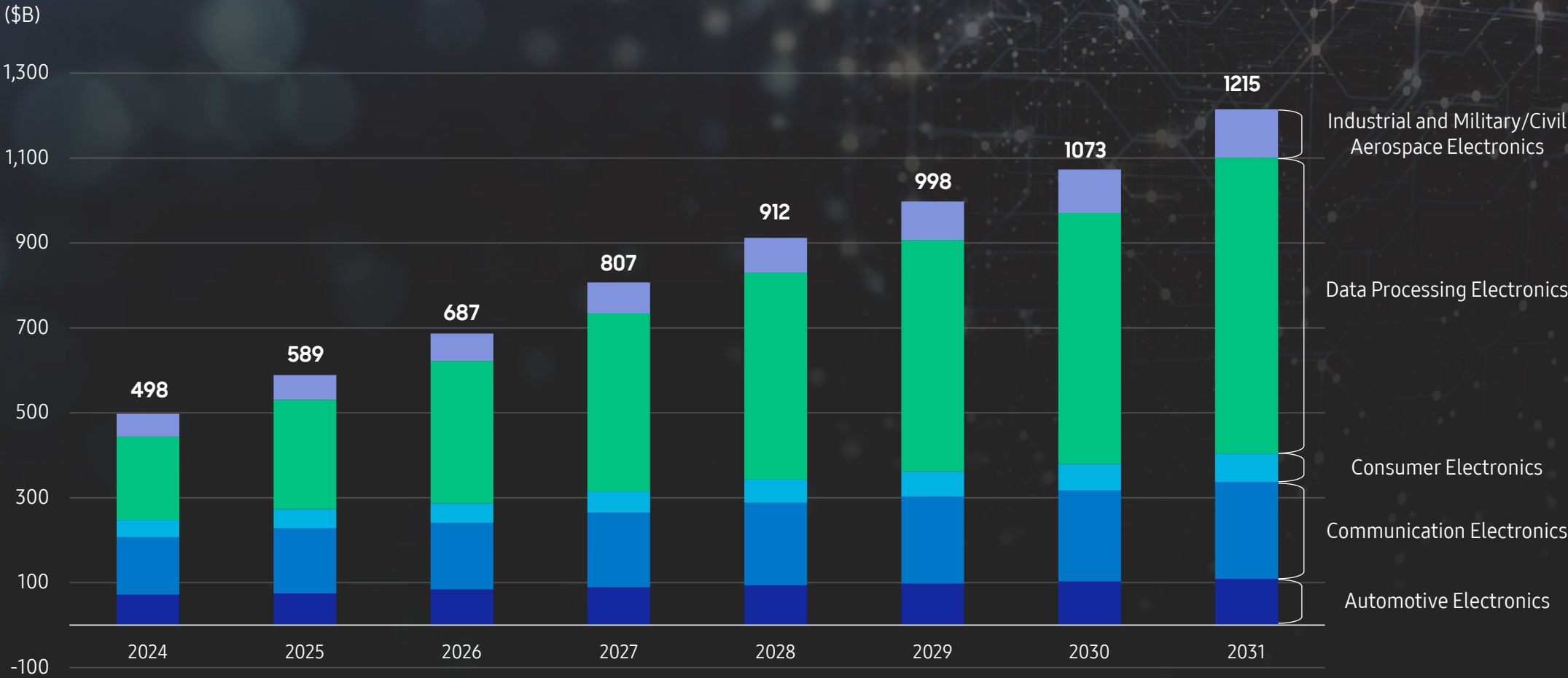
Market Opportunities

Samsung Strategy

Key Takeaways

Logic Chips Market Forecast

Anticipating long-term stable growth



* Gartner '26. 3 (2026~2031: '25~'30 CAGR)

Enlarging Edge of On-device AI

On-device AI's strengths spread to a wide range of applications

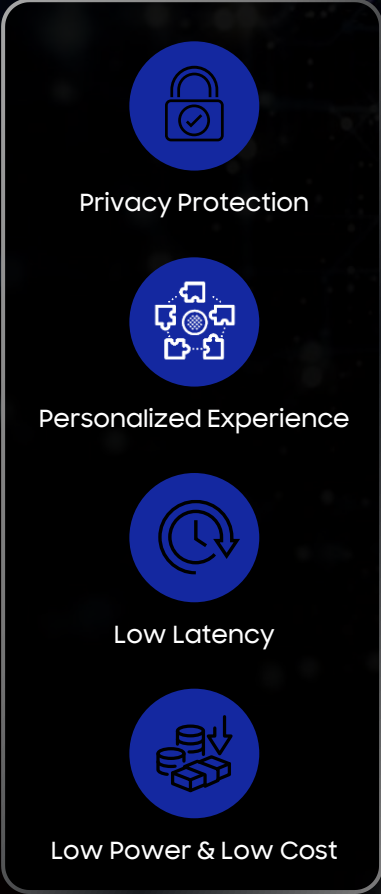
Cloud AI



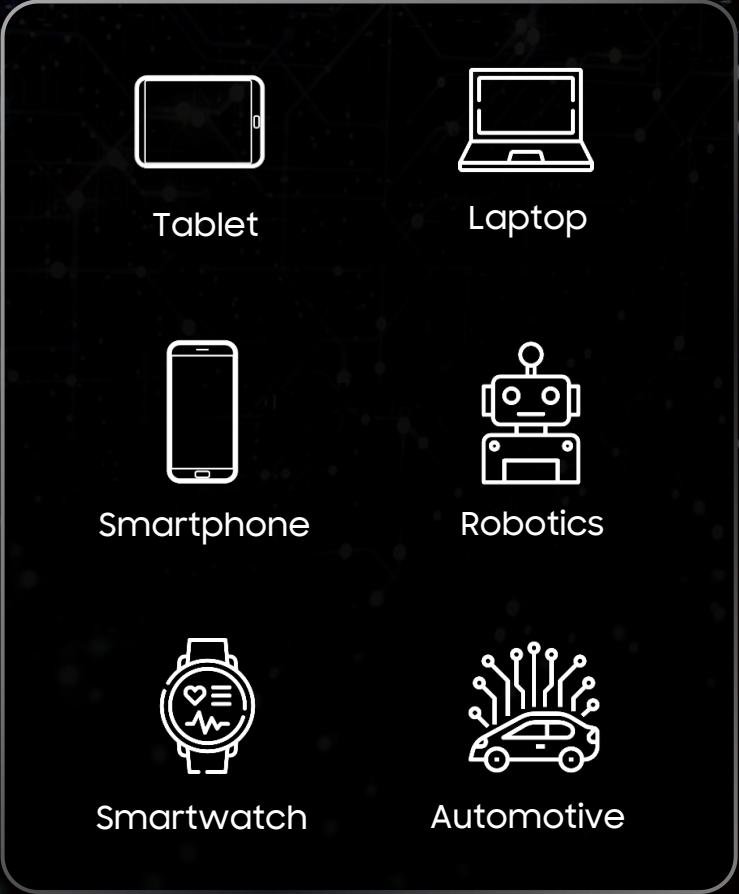
On-Device AI



Key Benefits

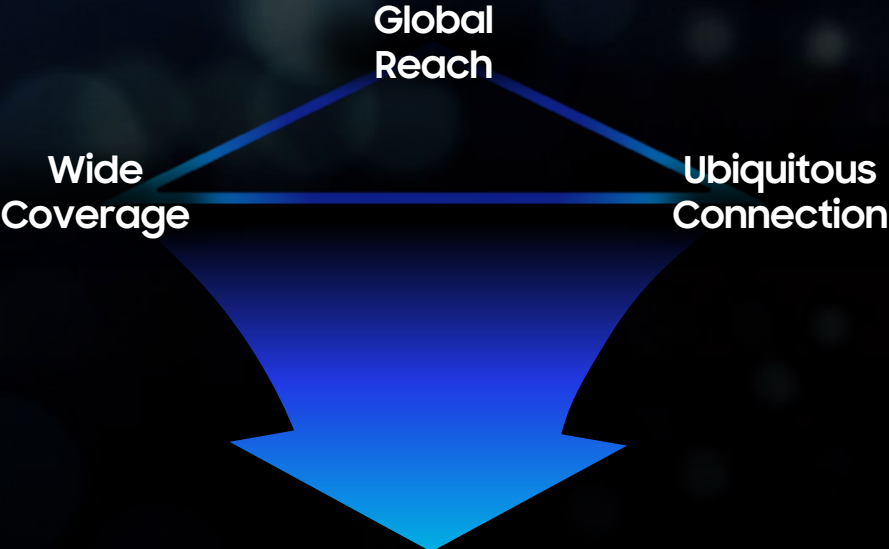


Expanding Applications



Extending Connectivity beyond Terrestrial

Uninterrupted connectivity without blind spot with non-terrestrial network

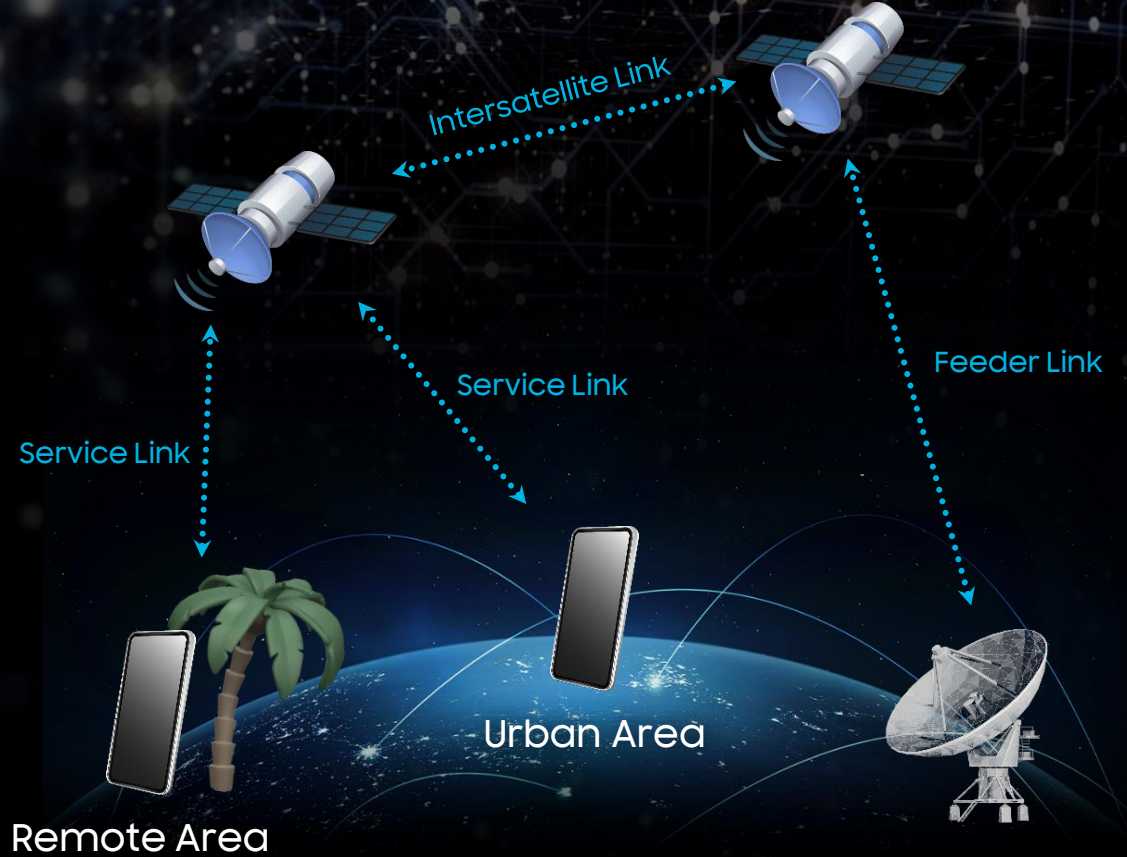


NB-IoT NTN

Emergency Message

5G NR NTN

Multimedia Streaming



Growing Needs for Advanced Mobile Photography

Sophisticated development in mobile image sensor for pro-grade quality of mobile camera



Powerful Zoom



High-Dynamic Range



AI Integration



Low-light Sensitivity




Low Power



Emerging Markets of New Applications

Rising demand for specialized sensors for a variety of devices



Touch Sensor

Camera Image Sensor

RGB Sensor

Distance Sensor

Temperature Sensor

This block features a central image of a white, humanoid robot holding a cardboard box. Surrounding the robot are five circular callouts, each containing the name of a sensor type: Touch Sensor (top right), Camera Image Sensor (top left), RGB Sensor (middle left), Distance Sensor (bottom left), and Temperature Sensor (bottom left).



ToF Sensor

RGB Sensor

Tracking Sensor

Global Shutter Sensor

This block features a central image of a person wearing VR goggles. Surrounding the person are four circular callouts, each containing the name of a sensor type: ToF Sensor (top right), RGB Sensor (middle right), Tracking Sensor (bottom right), and Global Shutter Sensor (bottom left).

Emphasizing Visual Experience across Devices

Diversified needs for display driver IC in varied form factors



OLEDoS Solution

Real OLED Solution

Low Power Design

Higher Frequency



Better Image Reproduction on Displays

Explosive Expansion of AI and its Applications

Rising importance of power and security solutions for sustainable AI



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Strategy for the Growth

Provide platform solutions acting as all the organs in the system



Processor (System on Chip)

Innovative mobile experience with Exynos processor



Deca-core CPU with
Dual-cluster Architecture



NPU Dedicated for
On-device AI



Hardware Ray Tracing & ENSS*
* ENSS: Exynos Neural Super Sampling



Up to 320MP Camera



Modem & Connectivity

Swift and seamless 5G connectivity with Exynos modem



Globally connected modem
with integrated triple-mode NTN technology

3GPP Release 17

Up to 14.79Gbps
with FR1+FR2 and 11.2Gbps on FR1-only

4nm EUV process for power efficiency

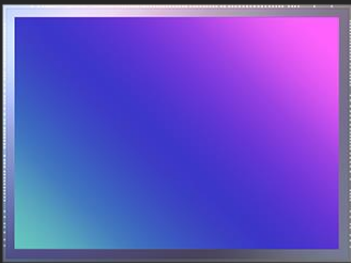
Image Sensor

Consistent imaging quality and performance with smaller pixels

Industry 1st 0.5 μm pixels at 200MP resolution

ISOCELL HP5 *CES Innovation Awards (2026)

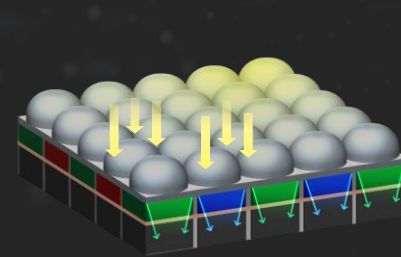
Delivering a breakthrough 200MP sensor with industry-first 0.5 μm pixels, combining advanced pixel technologies and DCC structure to enhance low-light performance — reinforcing pixel innovation leadership.



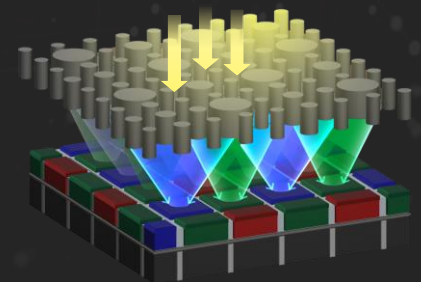
Optical Innovation for Enhanced Sensitivity

Nanoprism

Featuring Nanoprism, leveraging meta-photonics-based optical structure to refract and redirect light for enhanced sensitivity — overcoming pixel miniaturization limits and reinforcing optical innovation leadership.



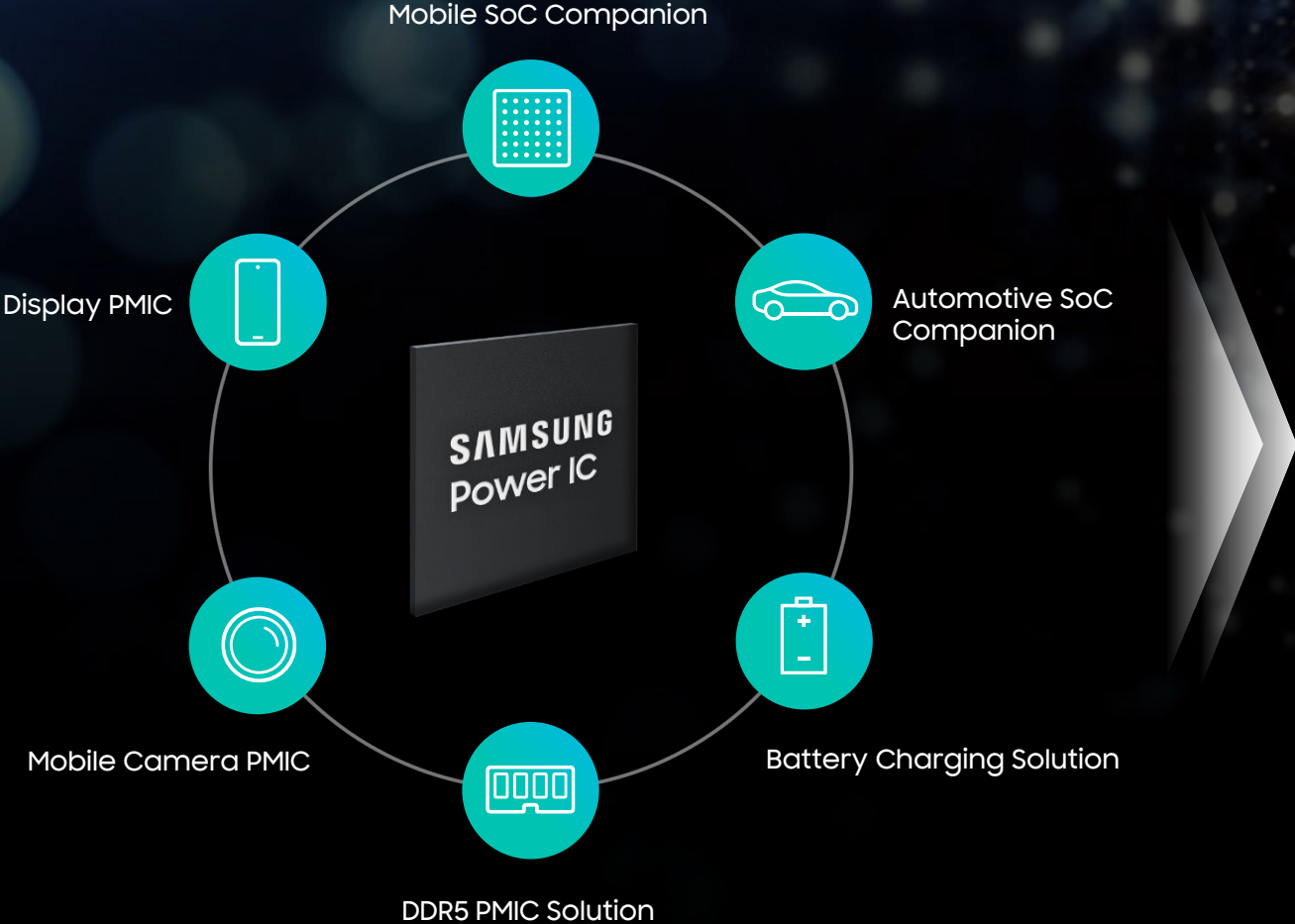
Conventional



Nanoprism

Power Management IC

Comprehensive power solution for improved power efficiency of diverse applications



Power Efficiency

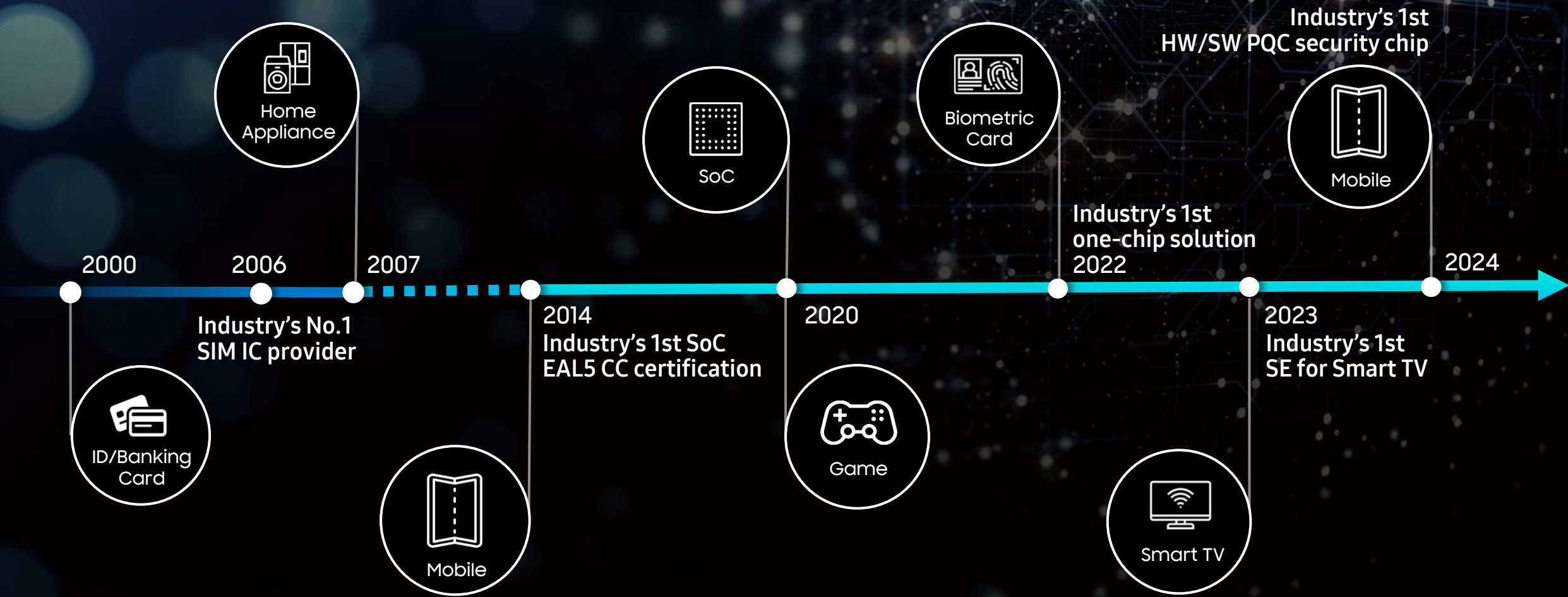
Cost Reduction

Lower Carbon Emission

Sustainability

Security Solution

Protecting privacy and safety across the various platforms



Samsung Solutions for Mobile Platform

SAMSUNG

ISOCELL Image Sensor

Mobile image sensor
ToF sensor

Exynos Processor

Mobile SoC
LTE/5G modem
RF ICs, UWB

Power Management IC

SoC PMIC
OLED display PMIC
Wireless charging IC



SIM / NFC / Secure Element

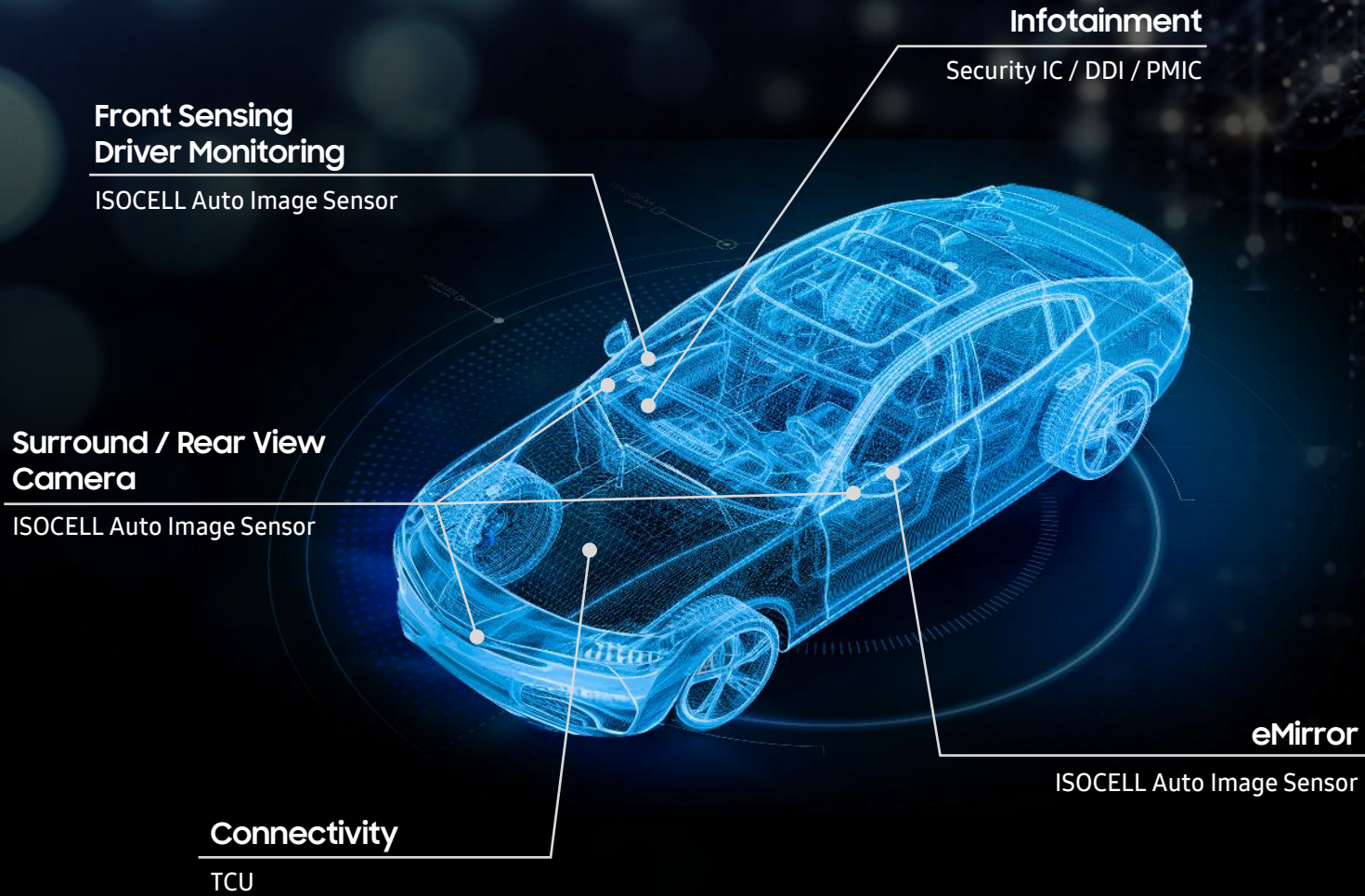
SIM & NFC chip for mobile payment
iSE, iSIM

Display Driver IC

Mobile DDI
- Timing controller
- Source driver
- Gate driver
OLED touch-embedded DDI

Samsung Solutions for Auto Platform

SAMSUNG



Exynos Auto Modem

TCU

ISOCELL Auto

Automotive image sensor

Security Solutions

Security solutions for auto systems
& personal information

Display Solutions

Display Driver IC

Samsung Solutions for Robot Platform

SAMSUNG

Exynos SIP Module

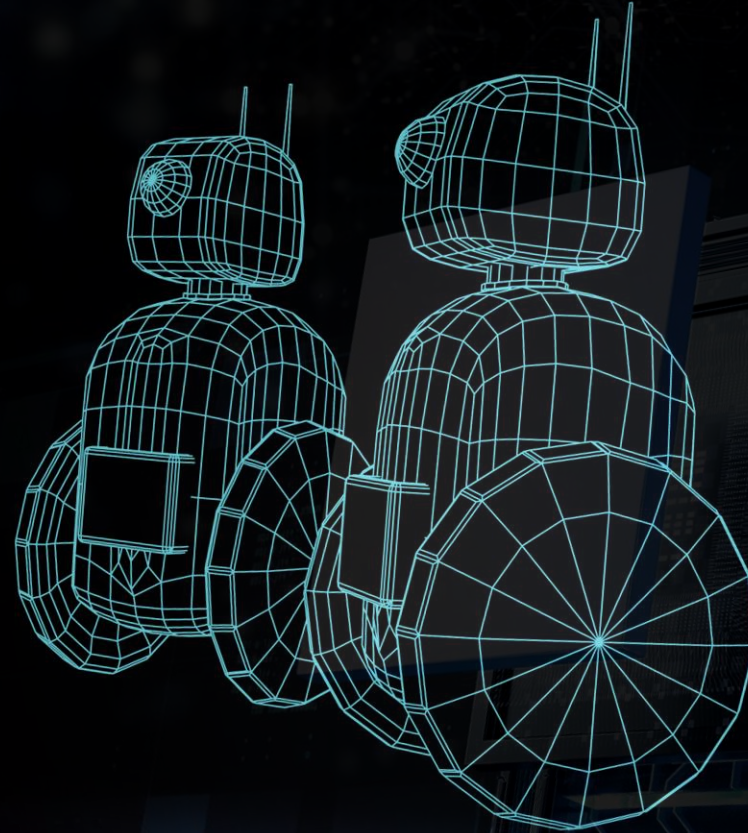
Robot SoC
PMIC for SoC

ISOCELL Image Sensor

ToF sensor
Global shutter sensor

Modem & Connectivity

LTE/5G modem
RF ICs, UWB



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Key Takeaways

Key Takeaways

- ✓ Offering a platform solution based on a comprehensive product portfolio
- ✓ Pioneering advancements in On-device AI with AI dedicated NPU
- ✓ Elevating user experiences across applications with innovative SoC and image sensors
- ✓ Empowering AI solutions with power & security solutions for various applications

SAMSUNG