DISCLAIMER

This presentation has been prepared by Samsung Electronics Co., Ltd. (the "Company"). It does not purport to contain all the information that a prospective investor may require in connection with any potential investment in the Company. You should not treat the contents of this presentation, or any information provided in connection with it, as financial advice, financial product advice or advice relating to legal, taxation or investment matters.

No representation or warranty (whether express or implied) is made by the Company or any of its officers, advisers, agents or employees as to the accuracy, completeness or reasonableness of the information, statements, opinions or matters (express or implied) arising out of, contained in or derived from this presentation or provided in connection with it, or any omission from this presentation, nor as to the attainability of any estimates, forecasts or projections set out in this presentation.

This presentation is provided expressly on the basis that you will carry out your own independent inquiries into the matters contained in the presentation and make your own independent decisions about the affairs, financial position or prospects of the Company. The Company reserves the right to update, amend or supplement the information at any time in its absolute discretion (without incurring any obligation to do so).

Neither the Company, nor its related bodies corporate, officers, their advisers, agents and employees accept any responsibility or liability to you or to any other person or entity arising out of this presentation including pursuant to the general law (whether for negligence, under statute or otherwise). Any such responsibility or liability is, to the maximum extent permitted by law, expressly disclaimed and excluded. Nothing in this material should be construed as either an offer to sell or a solicitation of an offer to buy or sell securities. It does not include all available information and should not be used in isolation as a basis to invest in the Company.

Future Matters

This presentation contains reference to certain intentions, expectations, future plans, strategy and prospects of the Company. Those intentions, expectations, future plans, strategy and prospects may or may not be achieved. They are based on certain assumptions, which may not be met or on which views may differ and may be affected by known and unknown risks. The performance and operations of the Company may be influenced by a number of factors, many of which are outside the control of the Company. No representation or warranty, express or implied, is made by the Company, or any of its directors, officers, employees, advisers or agents that any intentions, expectations or plans will be achieved either totally or partially or that any particular rate of return will be achieved.

Given the risks and uncertainties may cause the Company's actual future results, performance or achievements to be materially different from those expected, planned or intended, recipients should not place undue reliance on these intentions, expectations, future plans, strategy and prospects. The Company does not warrant or represent that the actual results, performance or achievements will be as expected,

US Disclosure

planned or intended.

This document does not constitute any part of any offer to sell, or the solicitation of any offer to buy, any securities in the United States or to, or for the account or benefit of any "US person" as defined in Regulation S under the US Securities Act of 1993 ("Securities Act"). The Company's shares have not been, and will not be, registered under the Securities Act or the securities laws of any state or other jurisdiction of the United States, and may not be offered or sold in the United States or to any US person without being so registered or pursuant to an exemption from registration including an exemption for qualified institutional buyers.

SAMSUNG MEMORY

Investor Presentation

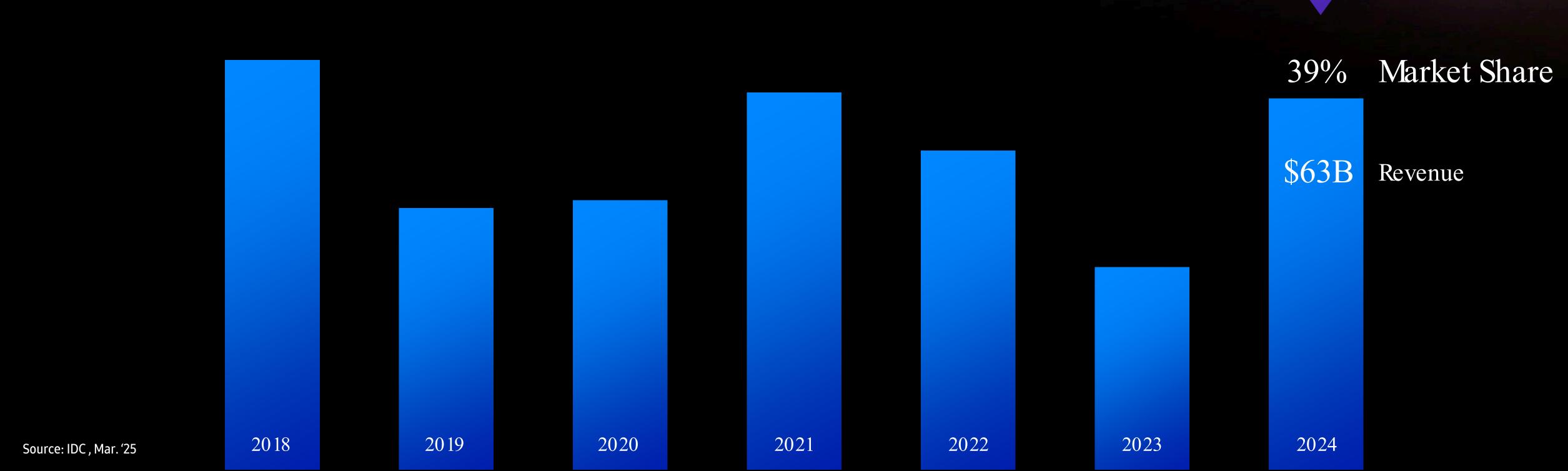
CONTENTS

BUSINESS UPDATE
 MEMORY MARKET OPPORTUNITIES
 SAMSUNG STRATEGY

SAMSUNG MEMORY BUSINESS REVIEW

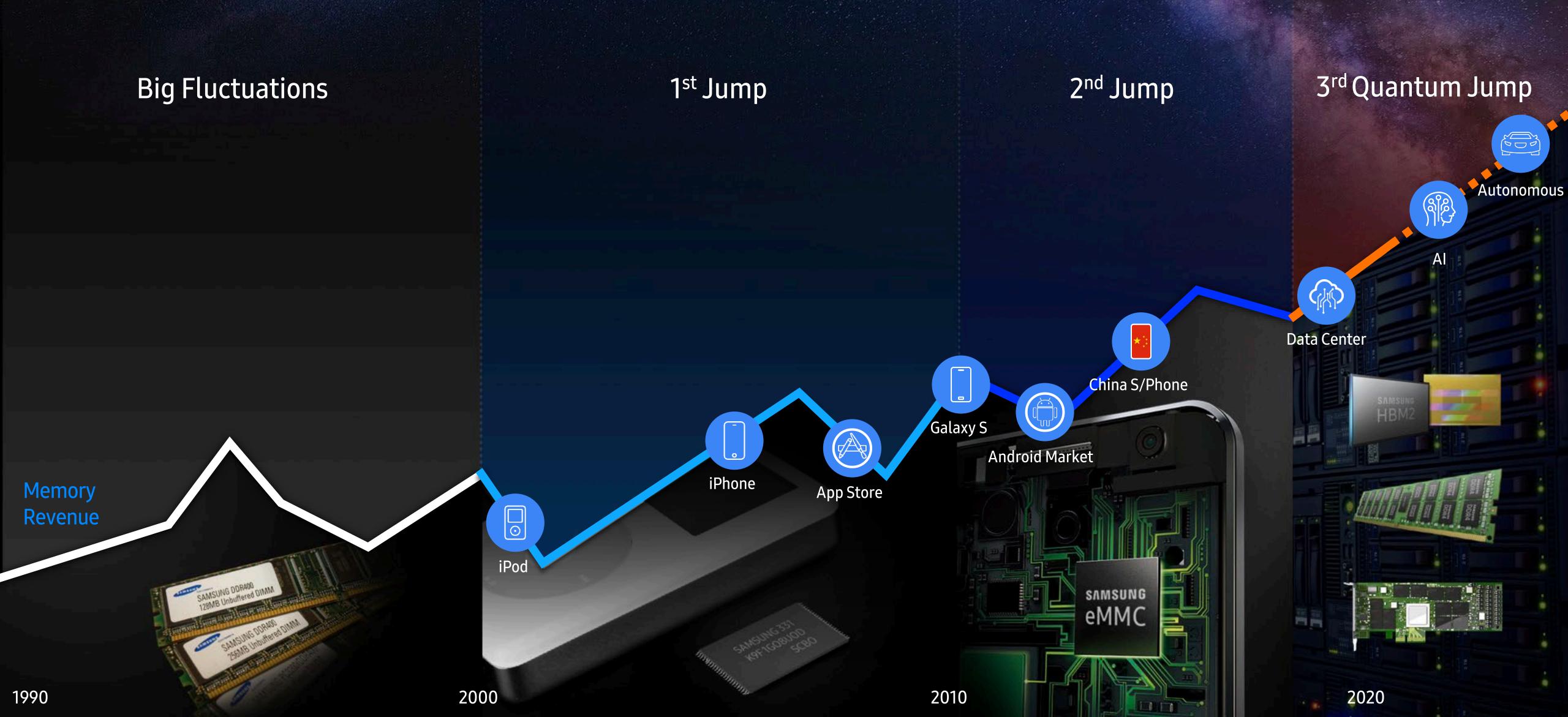
#1 in Memory Worldwide Since 1993, Well Balanced DRAM/NAND Portfolio

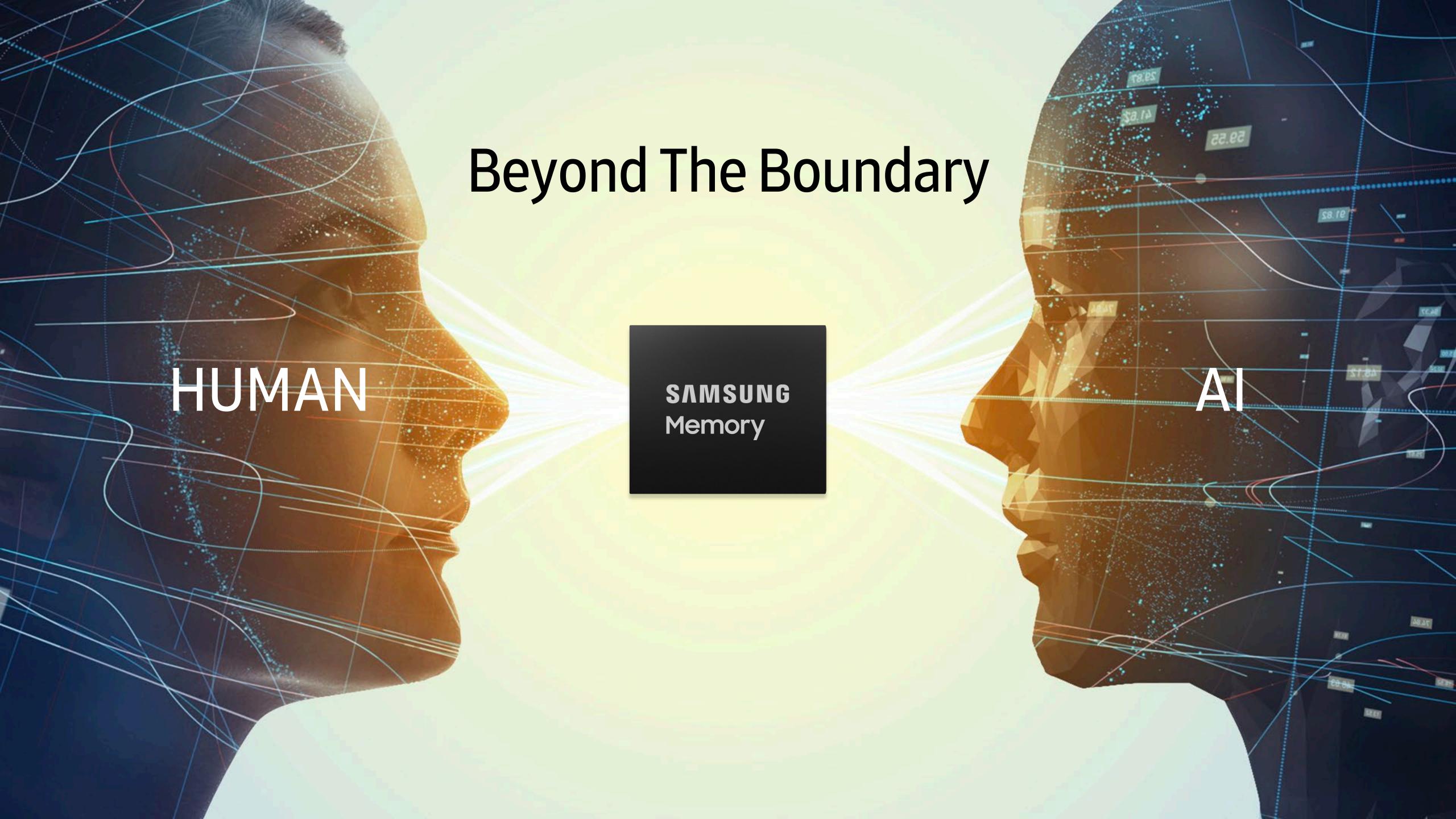
2024 Market Share DRAM 41% NAND 36%



MEMORY BIZ. PARADIGM SHIFT LED BY SAMSUNG

Samsung is Powering the Technologies that bring Innovation to Lifestyle





CONTENTS

BUSINESS UPDATE

MEMORY MARKET OPPORTUNITIES
 SAMSUNG STRATEGY

SPREAD-OUT OF PUBLIC CLOUD Explosive Growth of Data

1st WAVE



Cloud Service Providers

2nd WAVE



.Com & Forbes Top100

3rd WAVE



Telcos

THE FLOOD OF DATA

4TH WAVE







SAMSUNG

Al

Automotive

Robot

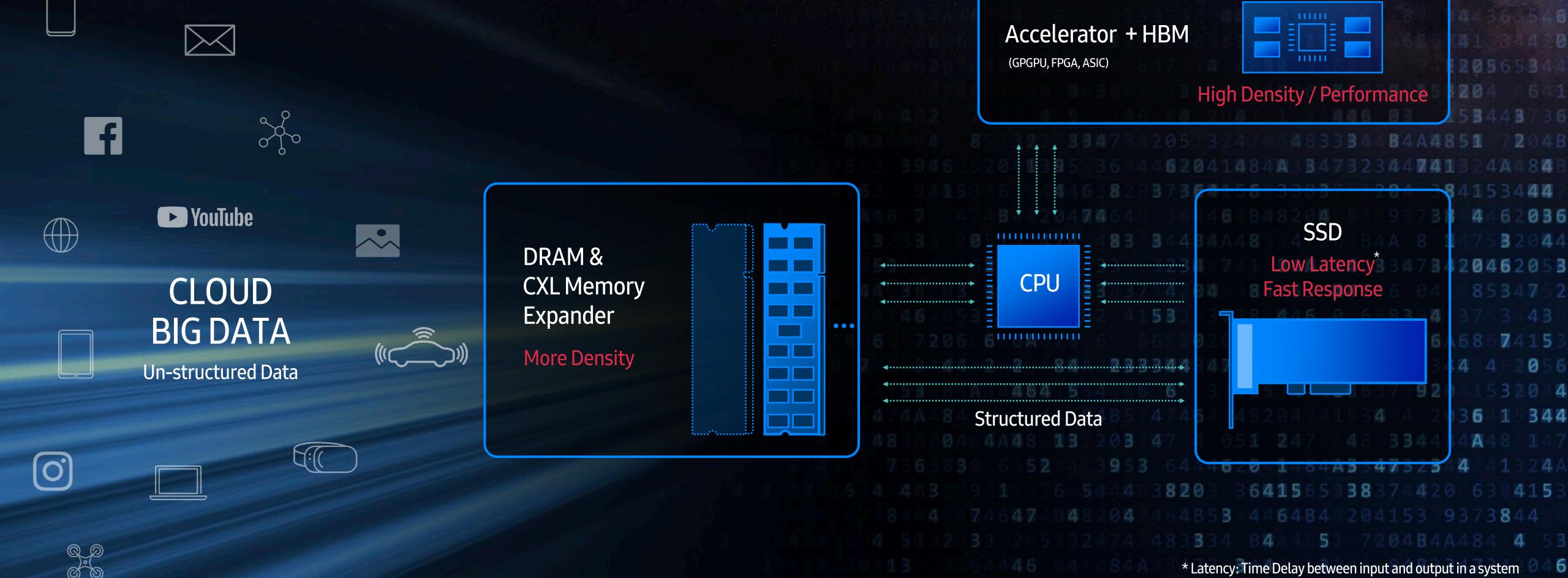
SMART CITY & AUTONOMOUS CAR FUELED BY 5G NETWORK

Huge Amounts of Data Generated by Hyper-connected Devices



MARKET OPPORTUNITY IN BIG DATA ANALYTICS

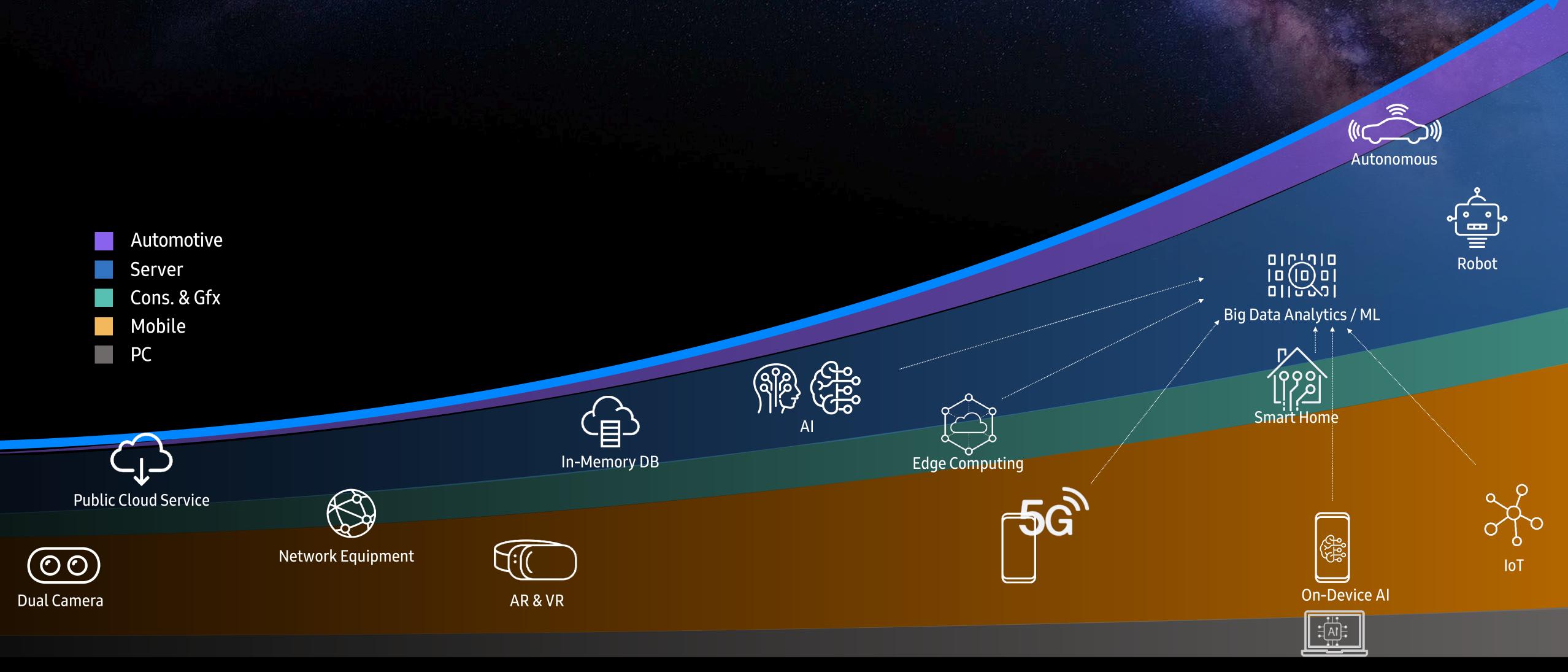
Demand Increase for High Density & Performance Memory to Enhance Computing Power



04638415 444

CONTINUOUS GROWTH OF MEMORY DEMAND

Memory Growth led by Server & Mobile devices based on Big Data Ecosystem



CONTENTS

BUSINESS UPDATE

MEMORY MARKET OPPORTUNITIES

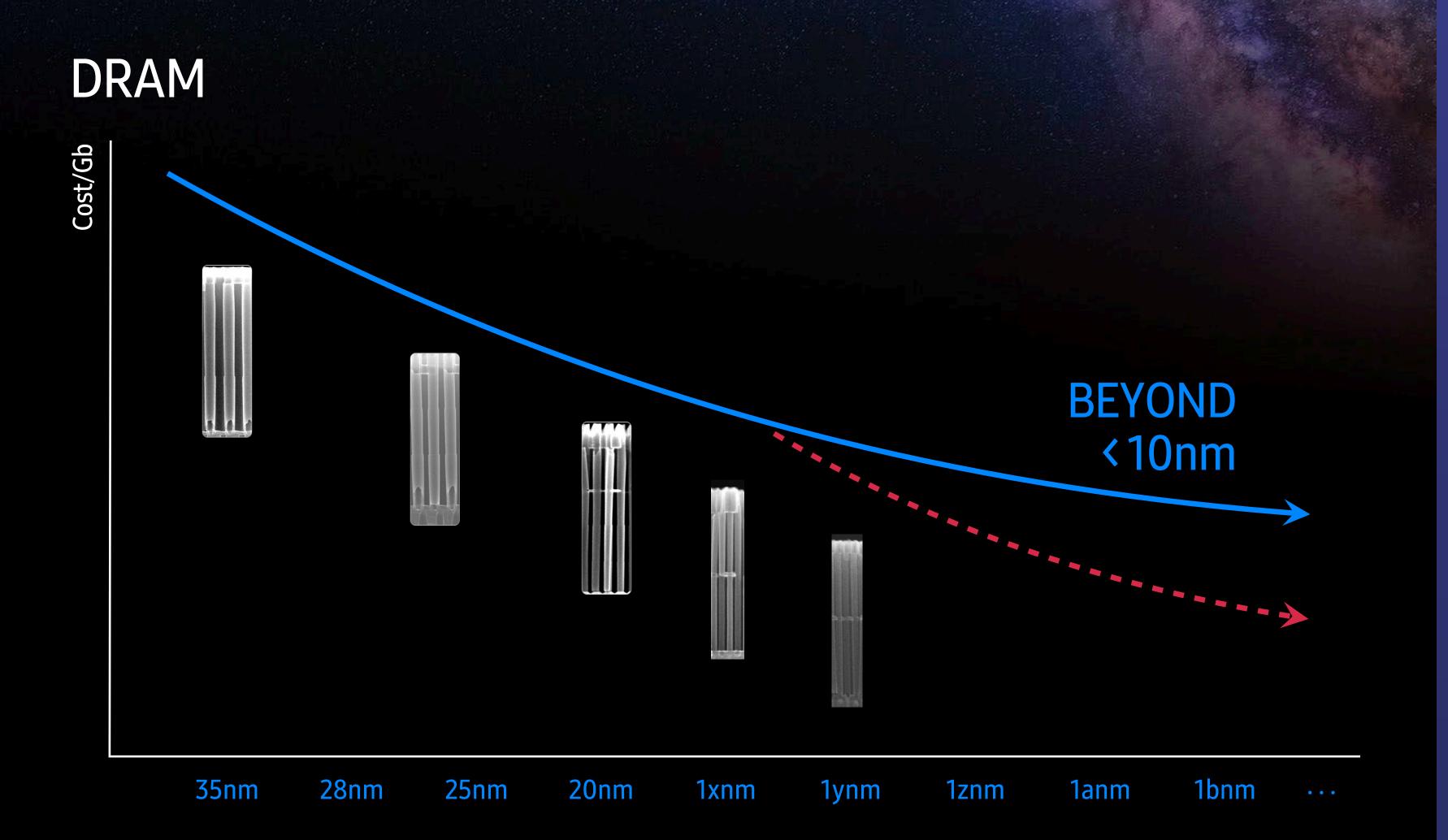
SAMSUNG STRATEGY

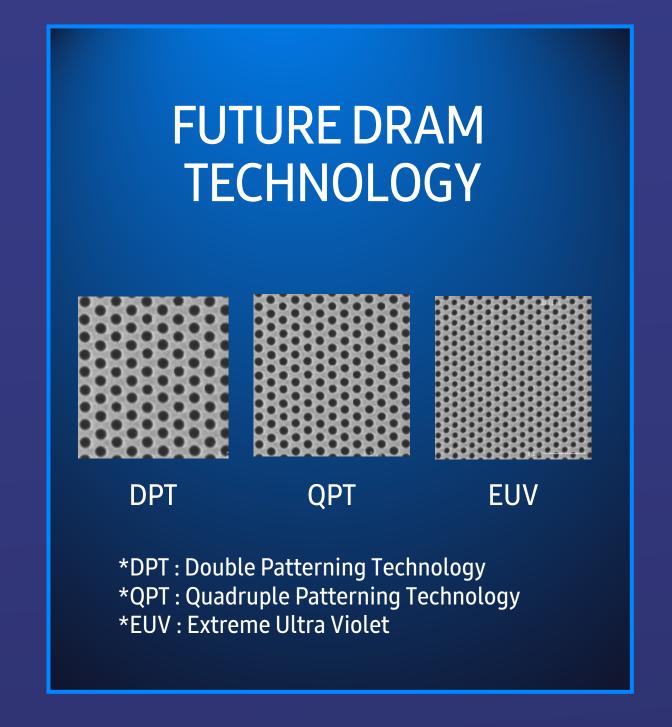


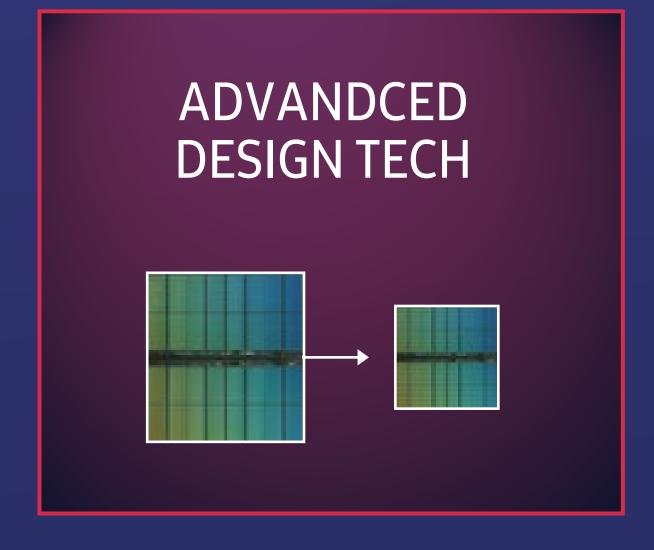
Break-through Technology

CONTINUOUS TECHNOLOGY SCALING

Thru Technology Evolution



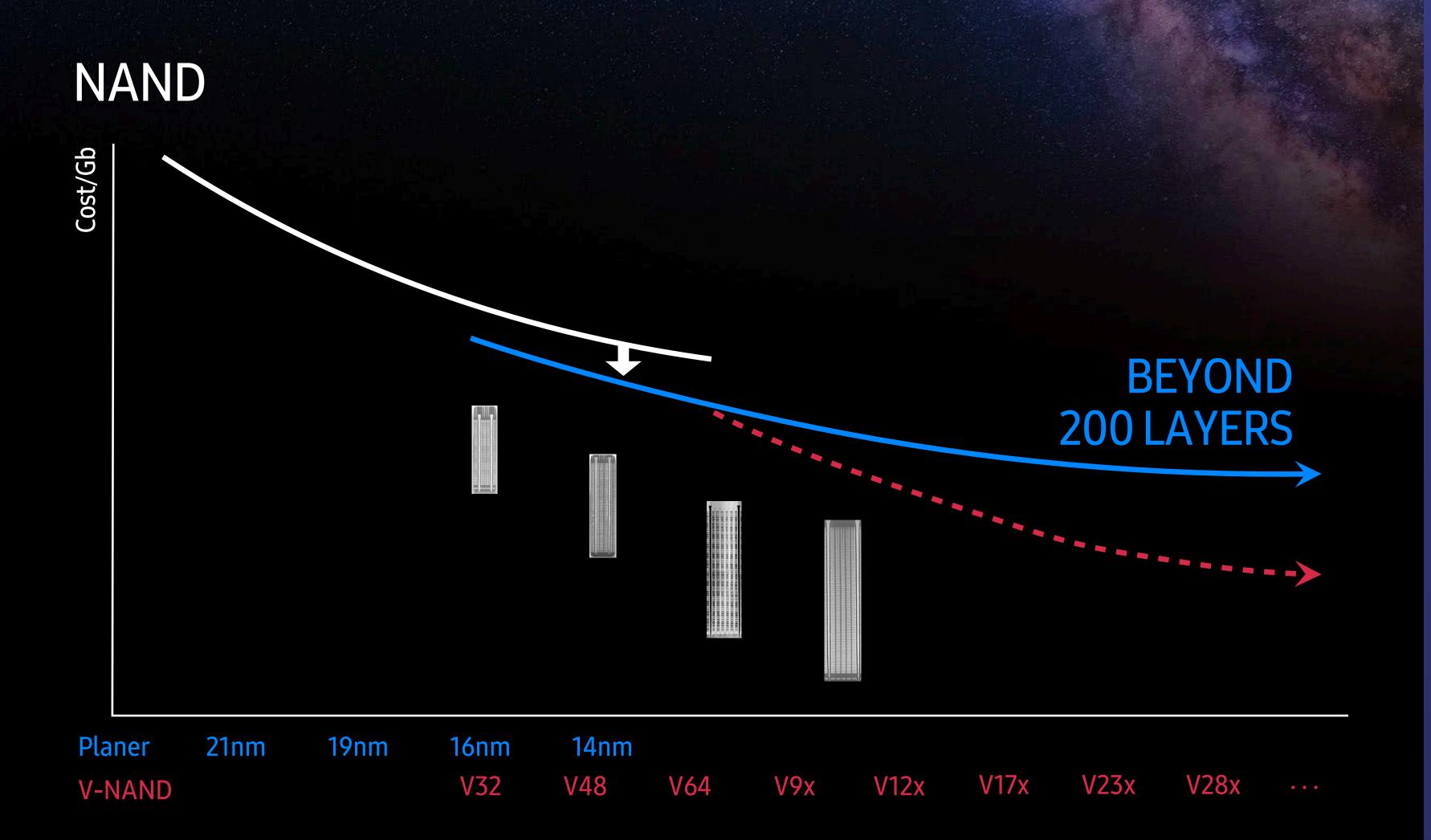


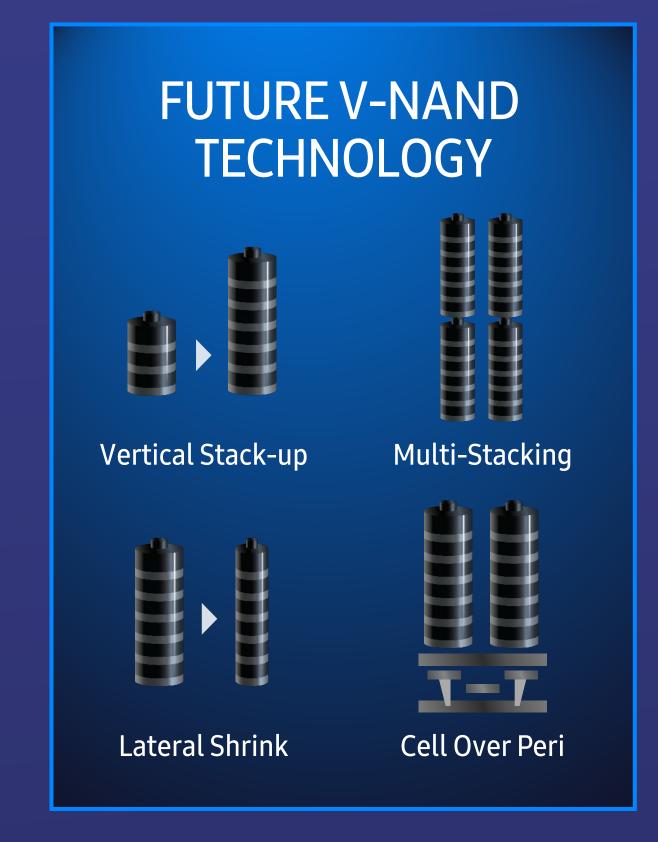


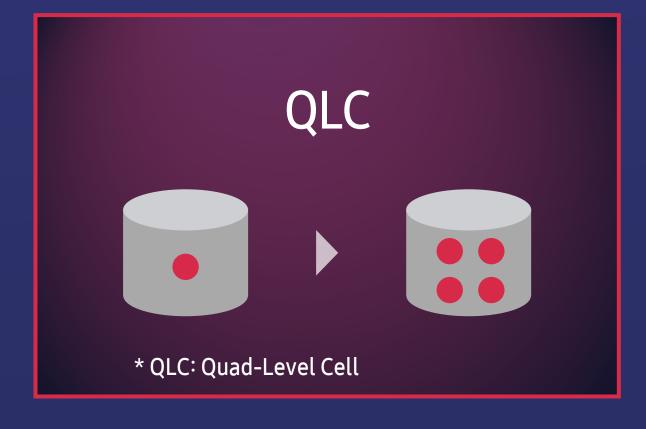
Break-through Technology

PUSHING THE LIMITS OF V-NAND

Thru Innovative Layer Stacking Technology







UNIQUE CAPABILITIES FOR DIFFERENTIATED SOLUTIONS

Integrating Key Components to Deliver Value-added Solutions

ADVANCED PROCESS
TECHNOLOGY

Wafer / Chip

ADVANCED PACKAGING TECHNOLOGY

Stacking / TSV



Software & Logic (Controller)





Smaller



Higher Density



Less Power Consumption



Faster



Thinner



Smaller



No Performance Loss



Customized



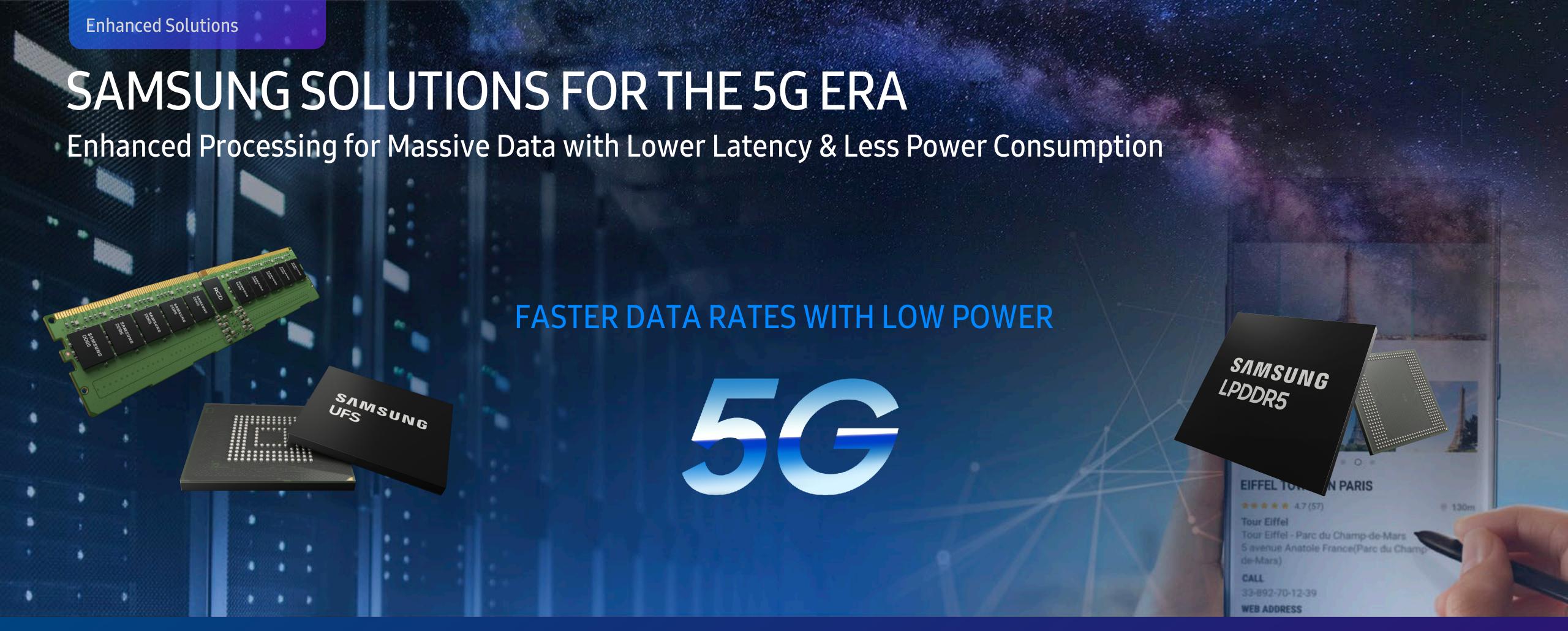
Expandable



Smarter



Secure



RDIMM, UFS

Low Latency *

High Capacity

Stable QoS

LPDDR5/5X

Higher Speed

Lower Power Consumption

Smaller Package

* Latency: Time Delay between input and output in a system

SAMSUNG SOLUTIONS FOR ARTIFICIAL INTELLIGENCE

Superlative Performance and High Reliability Using Less Energy



36GB HBM3E^{*}

Fastest Performance

Energy Efficiency

64/128TB NVMe SSD

Largest Density

Higher Reliability

Unparalleled Performance

SAMSUNG SOLUTIONS FOR AUTOMOTIVE INDUSTRY

Advanced Total Memory Solution for Autonomous Driving Technology



Dedicated Support for automotive

Full Memory Line-ups

Quality & Longevity

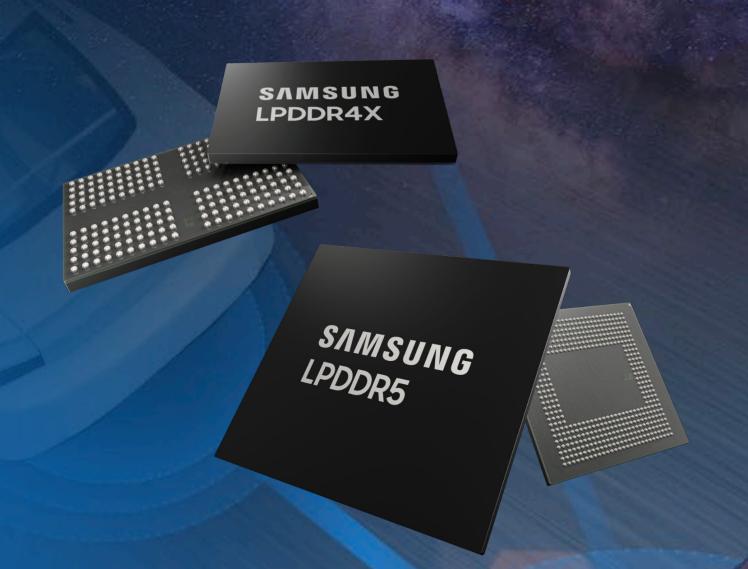
Full In-house Solution

ELECTRIFIED

CONNECTED

AUTONOMOUS





Automotive Storage

High Density

High Performance

High Reliability

Automotive DRAM

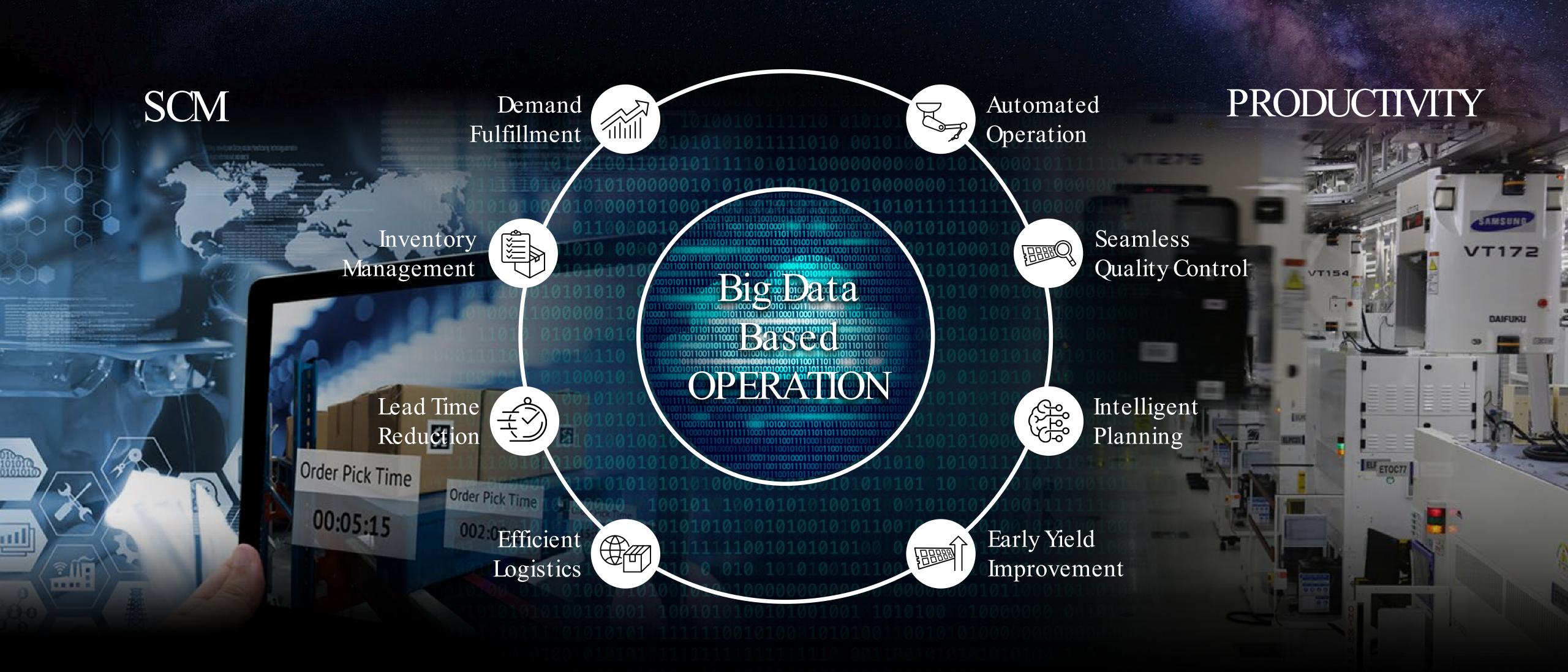
High Bandwidth

Lower Power Consumption

Higher Reliability

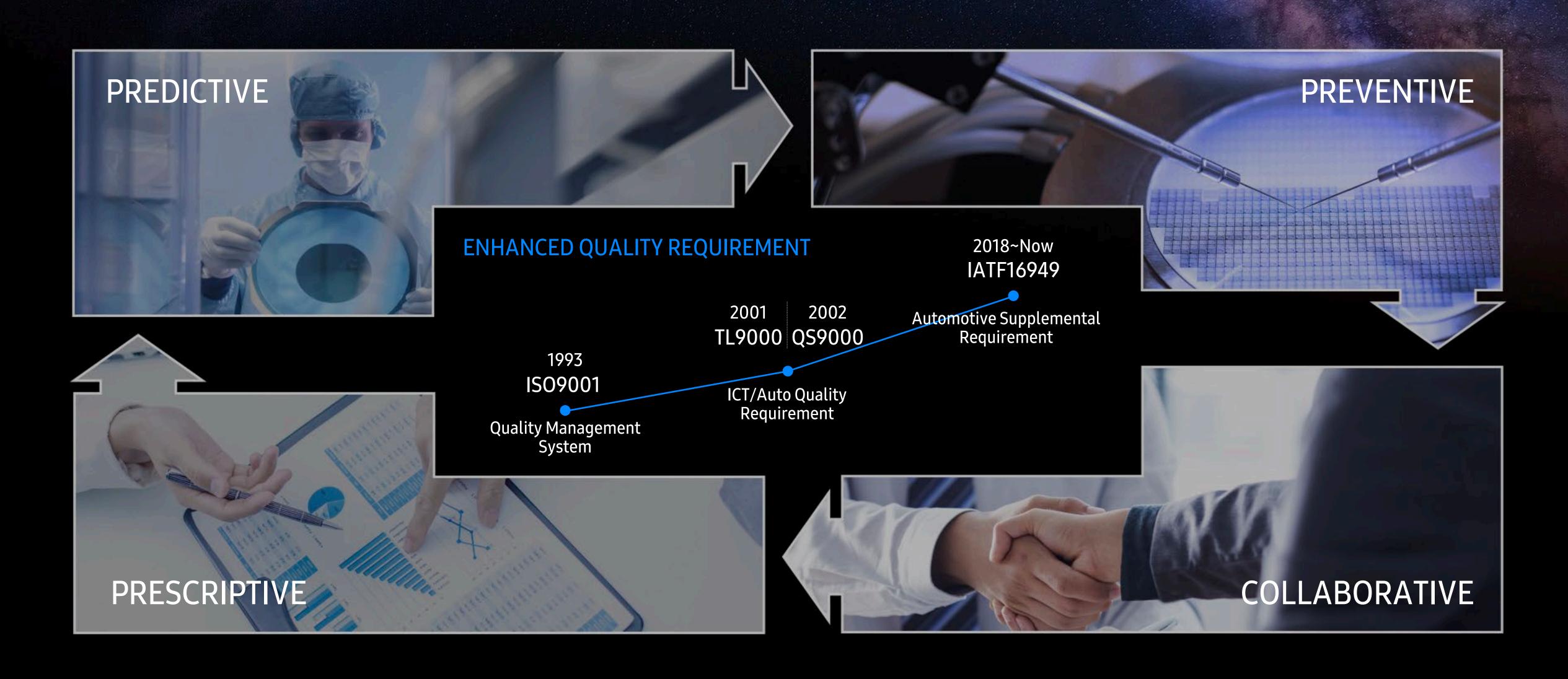
EVOLUTION TO SMARTER FACTORY

Customer Value Improvement through High Productivity and Enhanced SCM



QUALITY BY DESIGN

Meet the Industry Standard and Expectation of AI & Automotive Customers



Placing Memory at the Forefront of Future Innovation and Creative IT Life

Technology

Leading Technological Breakthroughs



Supporting Customers' Future Innovation

Employees

Fostering Employees'
Creativity

Society

Enriching a New Way of Digital Life