

# Samsung Foundry

Investor Presentation

2025

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BUSINESS UPDATE

FOUNDRIY MARKET OPPORTUNITIES

SAMSUNG FOUNDRIY STRATEGY

KEY TAKEAWAYS



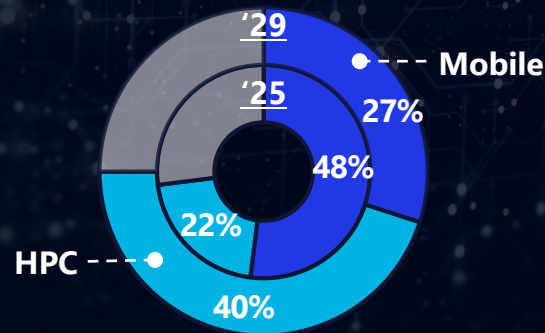
# Financial Highlights

Revenue is growing continuously and Application portfolio is diversifying

Revenue Growths



Balanced Applications Portfolio



# Business Milestones

Foundry  
Business  
Start

S1-Line Construction



2005

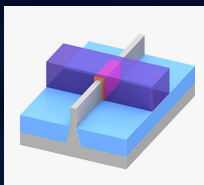
Foundry 1<sup>st</sup>  
HKMG  
\* High-K Metal Gate  
Mass  
Production

S2-Line Ramp up



2010

Foundry 1<sup>st</sup>  
FinFET  
Mass  
Production



2015

Spin-off into  
Independent  
Business Unit



2017

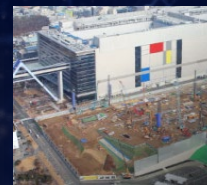
Industry 1<sup>st</sup>  
7nm EUV  
Production  
Start

S3-Line Ramp up



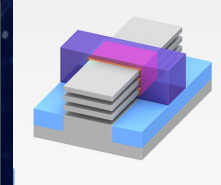
2018

S5 Line  
Production  
Start



2021

World 1<sup>st</sup>  
GAA  
3nm  
Production



2022

# Global Manufacturing Sites



 Korea

## Korea



**Giheung**

Giheung, Korea



**Hwaseong**

Hwaseong, Korea



**Pyeongtaek**

Pyeongtaek, Korea

 U.S

## U.S



**Austin**

Texas, USA



**Taylor**

Texas, USA



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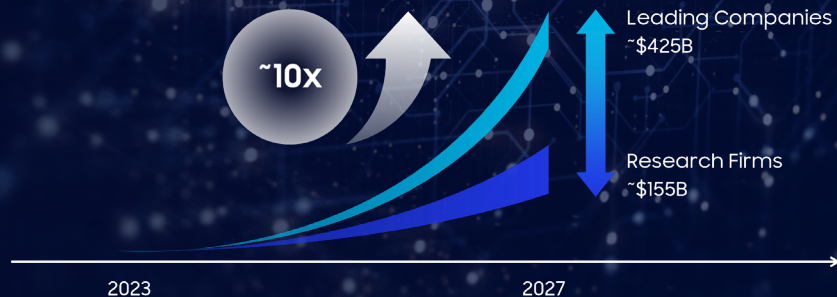
KEY TAKEAWAYS

# Smart and Connected World

AI is changing how we live, work, and connect  
Foundry will be a pathfinder in realizing unforeseen technology



## AI Semiconductor Market Consensus: accelerating

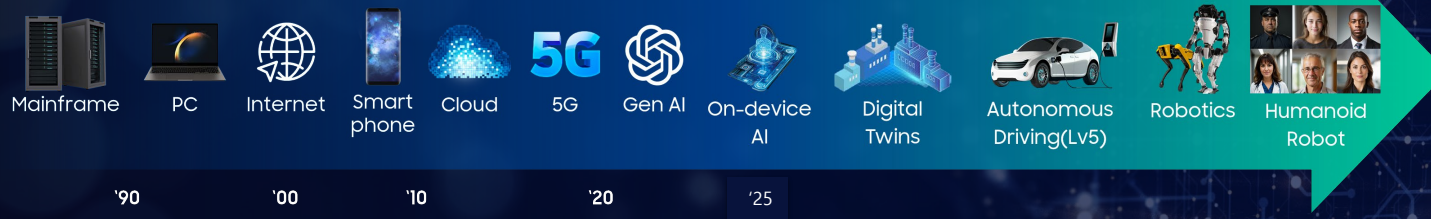


\* Source : Omdia, Gartner, Deutsche Bank



# Computing Trends/Paradigm Shifts

AI and accelerated computing evolve at a rapid pace



Key trends in AI and accelerated computing



Generative AI  
Multimodality

The core of AI Wave  
from Text to Video



Government-led AI  
Data sovereignty

Government driving AI  
for national edge



Green AI

Sustainable growth

Environmental movement  
opposing AI demand surge



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# Business Overview

5/4/3/2nm

High Performance IPs

Design Methodology for HPC/AI

Advanced PKG (3D, 2.5D, 2.3D -

Chiplet)



**HPC/AI**



**Mobile / 5G**

14/8/5/4/3/2nm

Critical IPs for Mobile/5G

Mobile Design Methodology

## Samsung Foundry Total Design Platform

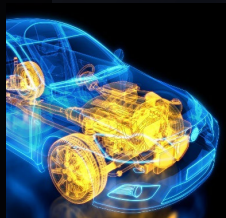
**Automotive**

14/8/5/4/2nm and 130nm (8")

Automotive-Qualified IPs

Design for ISO 26262/AEC-Q100

Automotive Service Package (ASP)



**IoT**



14/8/5/4nm

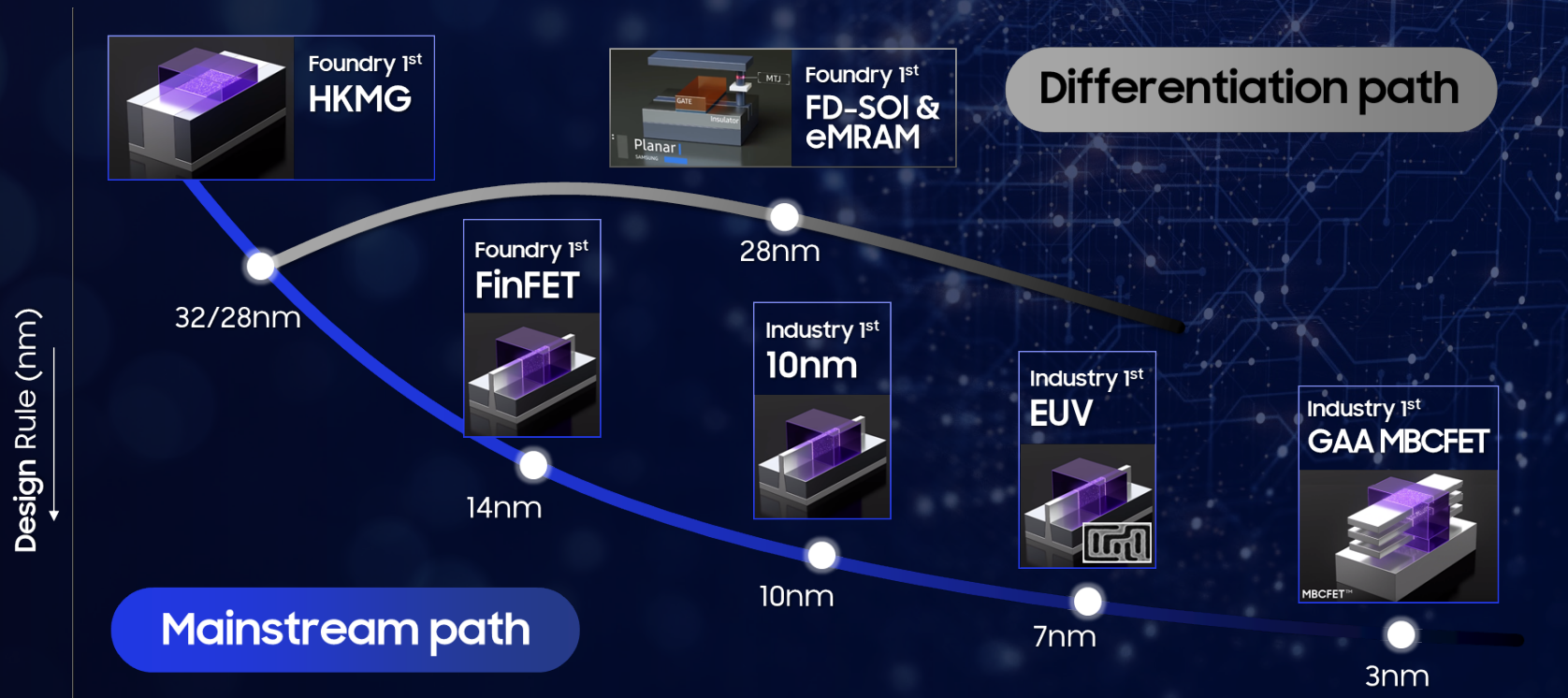
Critical IPs for IoT

Ultra Low Voltage Design Methodology

Cost & Form-factor Optimization



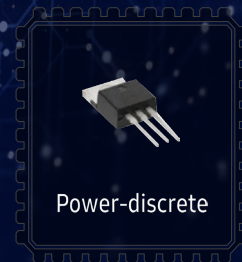
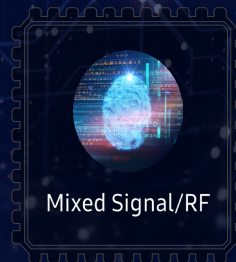
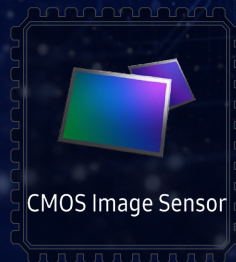
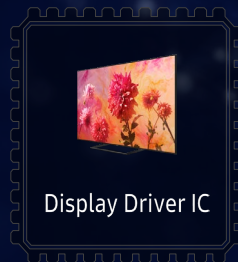
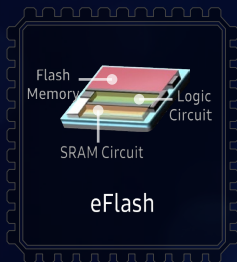
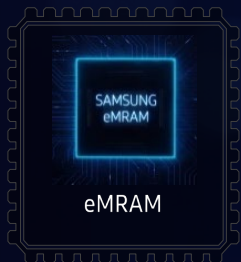
# Technical Leadership



# Specialty Value-Added Offerings

Portfolio Expansion from eMRAM, eFlash, Power IC,  
DDI, CIS, RF to Power-discrete

Technologies extensively optimized through many years of product manufacturing



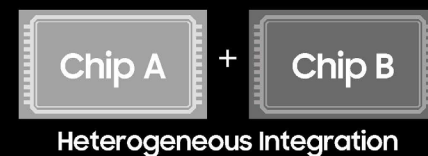
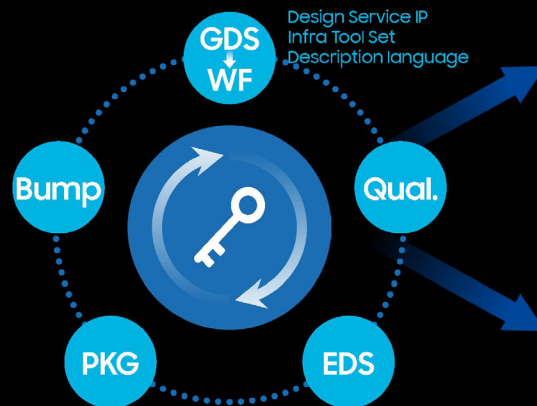
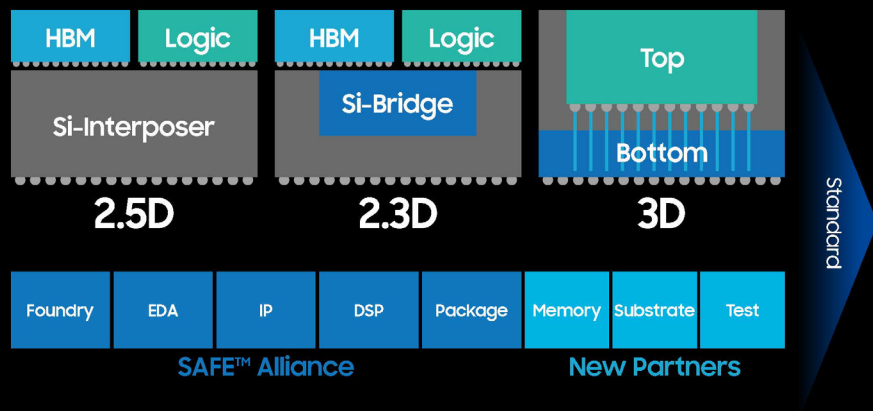


# Multi-Die Integration Alliance for 2.xD/3D Solution

Multi-Die Integration Alliance

One-stop Turn-key

Customer Innovation



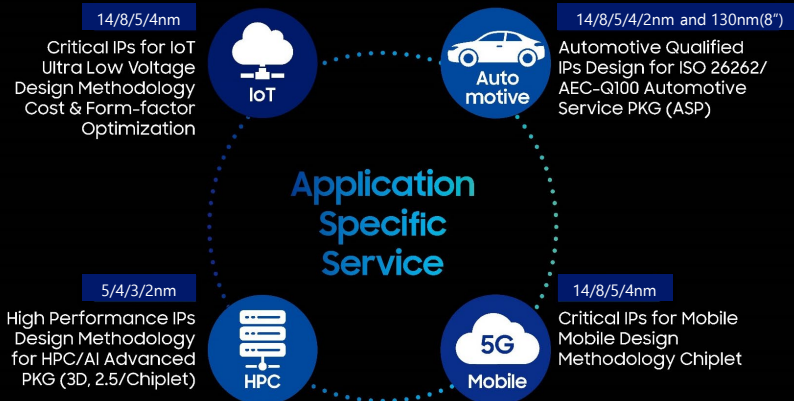
# Foundry Design Ecosystem

## Total Design Platform

Collaboration

Optimization

Realization





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# Key Takeaways

- | Higher foundry opportunities in digital transformation era
- | Aggressive investment including expansion of global operation
- | Maintain firm leadership in technology, operation, and service
- | Enable faster time to market and growing together with customer



# SAMSUNG

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