SAMSUNG FOUNDRY

Investor Presentation

2023

BUSINESS UPDATE

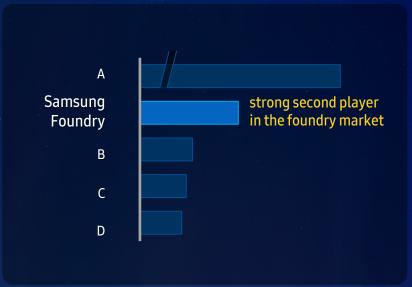
FOUNDRY MARKET OPPORTUNITIES

SAMSUNG FOUNDRY STRATEGY

Financial Highlights

Revenue exceeded 10 billion dollar in 2018, growing continuously





Business Milestones

Foundry Business Start Foundry 1st

HKMG

*High-K Metal Gate
Mass

Production

FinFET Mass Production

Foundry 1st

Spin-off into Independent Business Unit

Industry 1st
7nm EUV
Production
Start

S5 Line Production Start World 1st

GAA

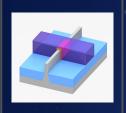
3nm

Production

S1-Line Construction



S2-Line Ramp up











2005 2010 2015 2017 2018 2021 2022

Global Manufacturing Sites



BUSINESS UPDATE

FOUNDRY MARKET OPPORTUNITIES

SAMSUNG FOUNDRY STRATEGY

Smart and Connected World

New applications emerge with HPC, Automotive bringing greater demand for semiconductor industry



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FOUNDRY MARKET OPPORTUNITIES

SAMSUNG FOUNDRY STRATEGY

Business Overview

5/4/3nm
High Performance IPs
Design Methodology for HPC
Advanced PKG (3D, 2.5D)



14/8/5/4/3nm
Critical IPs for Mobile
Mobile Design Methodology

HPC

Mobile / 5G

Samsung Foundry Total Design Platform

Automotive

14/8/5nm and 130nm (8")
Automotive Qualified IPs
Design for ISO 26262/AEC-Q100
Automotive Service PKG (ASP)

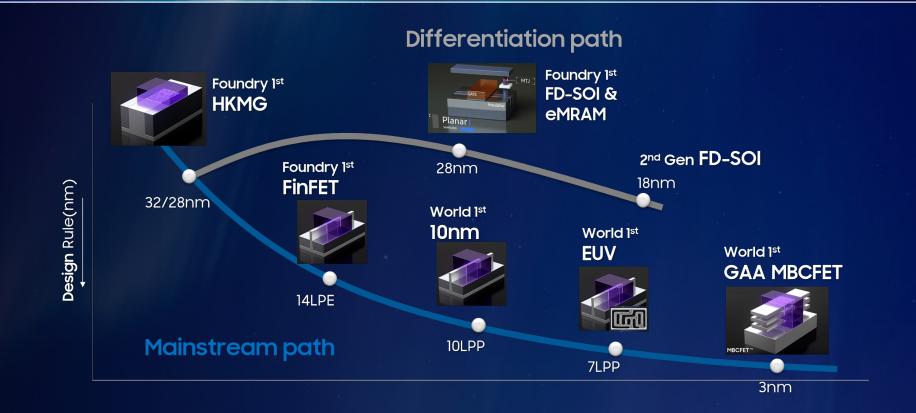


IoT



14/11/8nm
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







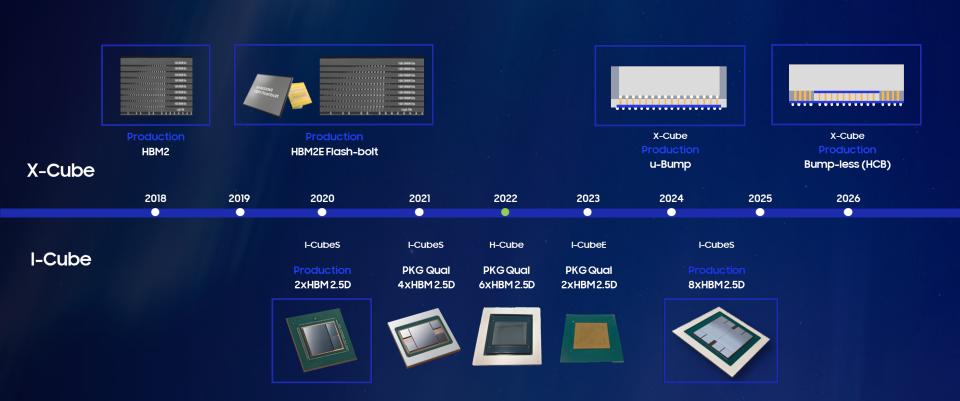




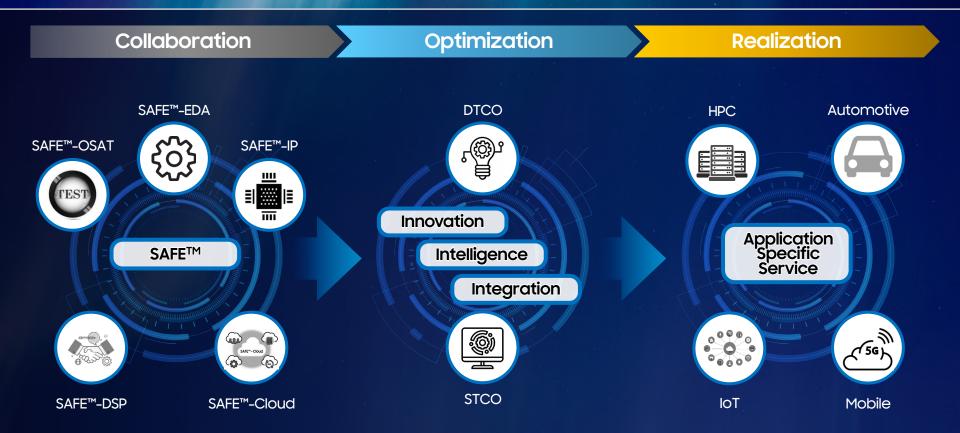




Advanced Package Solutions



Foundry Design Ecosystem



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SAMSUNG FOUNDRY STRATEGY

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

