## **GlobalFoundries**<sup>™</sup>

## Delivering pervasive semiconductors for humankind

## Disclaimer

This presentation and the accompanying oral presentation include "forward-looking statements," that reflect our current expectations and views of future events. These forward-looking statements are made under the "safe harbor" provisions of the U.S. Private Securities Litigation Reform Act of 1995 and include but are not limited to, statements regarding our financial outlook, future guidance, product development, business strategy and plans, and market trends, opportunities and positioning. These statements are based on current expectations, assumptions, estimates, forecasts, projections and limited information available at the time they are made. Words such as "expect," "anticipate," "should," "believe," "hope," "target," "project," "goals," estimate," "potential," "reduid," "intend," "shall," "outlook," on track," and variations of these terms or the negative of these terms and similar expressions are intended to identify these forward-looking statements, although not all forward-looking statements contain these identifying words. Forward-looking statements. For example, our business could affect the realization of the expectations or forecasts in these forward-looking statements. For example, our business could be impacted by the COVID-19 pandemic and supply chain disruptions due to the Russia/Ukraine conflict and actions taken in response to such events; the market for our products may develop more slowly than expected or than it has in the past; our operating results may fluctuate more than expected; there may be significant fluctuations in our results of operations and cash flows related to our revenue recognition or otherwise; a network or data security incident that allows unauthorized access to our network or data or our customers' data could damage our reputation; we could experience interruptions or performance problems associated with our technology, including a service outage; and global economic conditions could deteriorate. It is not possible for us to predict all risks, nor can we asseed to inte

Although we believe that the expectations reflected in our statements are reasonable, we cannot guarantee that the future results, levels of activity, performance or events and circumstances described in the forward-looking statements will be achieved or occur. Moreover, neither we, nor any other person, assumes responsibility for the accuracy and completeness of these statements. Recipients are cautioned not to place undue reliance on these forward-looking statements, which speak only as of the date such statements are made and should not be construed as statements of fact. Except to the extent required by federal securities laws, we undertake no obligation to update any information or any forward-looking statements as a result of new information, subsequent events, or any other circumstances after the date hereof, or to reflect the occurrence of unanticipated events.

This presentation and the accompanying oral presentation also contain estimates and other statistical data made by independent parties and by us relating to market size and growth and other data about our industry and business. This data involves a number of assumptions and limitations, and you are cautioned not to give undue weight to such estimates. We have not independently verified the industry data generated by independent parties and contained in this presentation and, accordingly, we cannot guarantee their accuracy or completeness. In addition, projections, assumptions, and estimates of our future performance and the future performance of the markets in which we compete are necessarily subject to a high degree of uncertainty and risk.

In addition to the financial information presented in accordance with International Financial Reporting Standards ("IFRS"), this presentation includes the following adjusted non-IFRS metrics: adjusted gross profit (loss), adjusted net income (loss), adjusted diluted earnings (loss) per share and adjusted EBITDA. We define adjusted gross profit (loss) as gross profit (loss) adjusted for share-based compensation expense. We define adjusted gross margin as adjusted gross profit (loss), which is gross profit (loss) before share-based compensation, divided by net revenues. We define adjusted operating profit (loss) as profit (loss) and adjusted for share-based compensation expense. We define adjusted operating margin as adjusted operating profit (loss) divided by net revenues. We define adjusted net income (loss) adjusted for share-based compensation expense. We define adjusted diluted earnings (loss) per share as adjusted net income (loss) divided by the dilutive shares. We define adjusted EBITDA as net income (loss), excluding the impact of finance expense, income tax expense, depreciation, amortization, share-based compensation expense, restructuring charges and litigation settlements. We define adjusted EBITDA margin as adjusted EBITDA divided by net revenues.

We believe that in addition to our results determined in accordance with IFRS, these adjusted non-IFRS measures provide useful information to both management and investors in measuring our financial performance and highlight trends in our business that may not otherwise be apparent when relying solely on IFRS measures. These adjusted non-IFRS financial measures provide supplemental information regarding our operating performance that excludes certain gains, losses and non-cash charges that occur relatively infrequently and/or that we consider to be unrelated to our core operations. For further information regarding these non-IFRS measures, please refer to "Appendix" in this presentation.

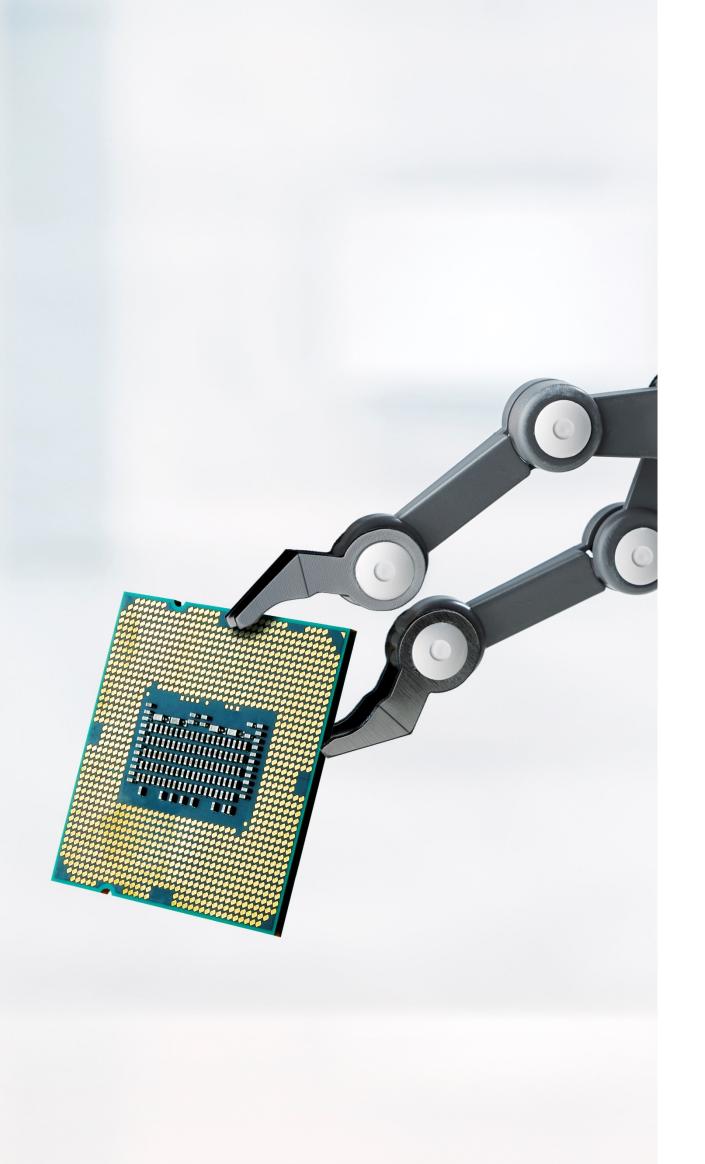
Adjusted non-IFRS financial information is presented for supplemental informational purposes only and should not be considered in isolation or as a substitute for financial information presented in accordance with IFRS. Our presentation of adjusted non-IFRS measures should not be construed as an inference that our future results will be unaffected by unusual or nonrecurring items. Other companies in our industry may calculate these measures differently, which may limit their usefulness as a comparative measure.

# GlobalFoundries<sup>™</sup>

## Delivering a new era of more

### more innovation

### more impact





\$6.6B

2021 revenue

#### >200

customers in 2021

~15,000

employees

#### **2.4**M

2021 wafer shipments (300mm eq.)

#### 5



manufacturing sites across three continents

#### ~10,000

patents



GFS Nasdaq listed

## **GF journey**

#### Creation

GlobalFoundries was created based on the thesis that the world needed a geographically diverse alternative to Taiwan



#### Transformation

Strategically re-positioned to serve pervasive semiconductor end markets

- Strengthened management team aligned to mission
- Refocused investments & accelerated differentiated solutions focused on pervasive markets
- > Increased single-sourced products
- > Driving margin expansion and earnings growth



#### Realization



## **Delivering solutions to** customers around the globe

Automotive

Communications Infrastructure and Datacenter

Home and Industrial IoT

US

Smart Mobile Devices

Compute

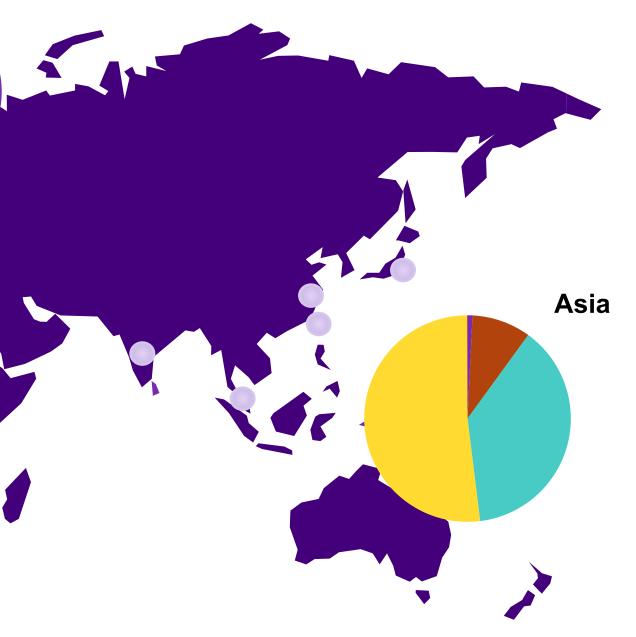
GF Field Site

10 Countries and time zones

Service languages



#### Europe





Median proximity to top customers

## **Purpose-built customer engagements**

#### Certainty

### ~80%

2022-2025 capacity covered by LTAs

### **Durability**

### 90%

single-sourced DWINs<sup>(1)</sup> in 1H'22

#### **Profitability**

**19%** YoY mix and pricing increase 1H'21 - 1H'22<sup>(2)</sup>

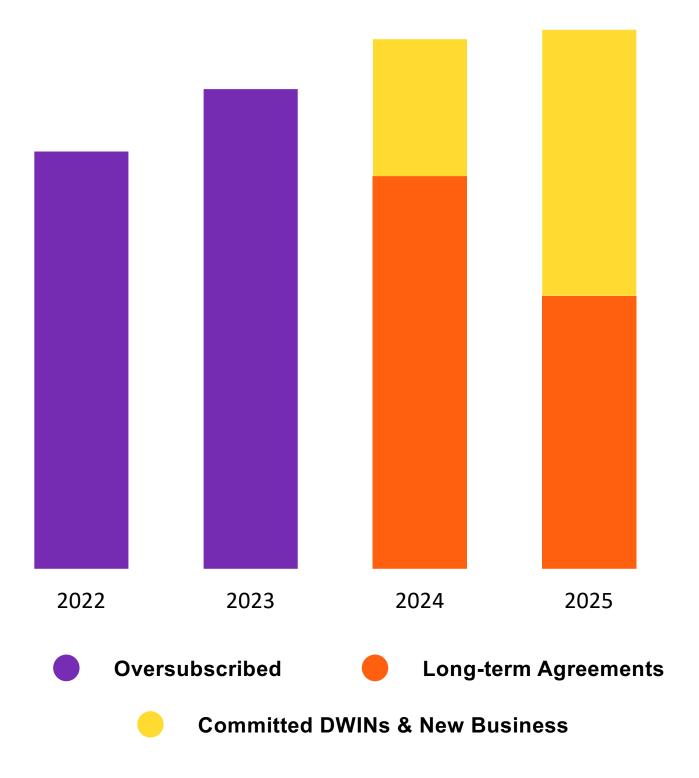
#### Note:

1. A DWIN, or design win, is defined as the successful completion of the evaluation stage, where a customer has assessed our technology solution, verified that it meets its requirements, qualified it for their products and confirmed to us their selection.

2. Wafer hardware only



#### **Multi-year Capacity Coverage**



# **GF's ecosystem: more than a decade in the making**







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#### 950+

*IP titles currently in active development across 26 process nodes and 34 IP partners* 

#### **300+**

Clients enabled by ecosystem partner IPs in the last 5 years

#### 1700+

*Client designs enabled by ecosystem partners in the last 5 years* 

## End-markets and Solutions

## **Technology megatrends shaping** the global economy

Adoption

of AR & VR

#### Smart, connected devices

111

#### **Megatrends accelerated or limited by semiconductors**

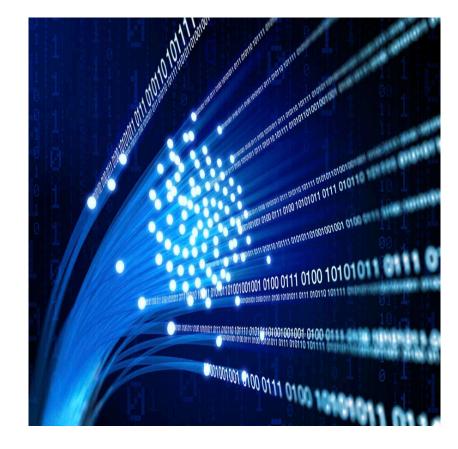




#### **Explosion of** AI & ML

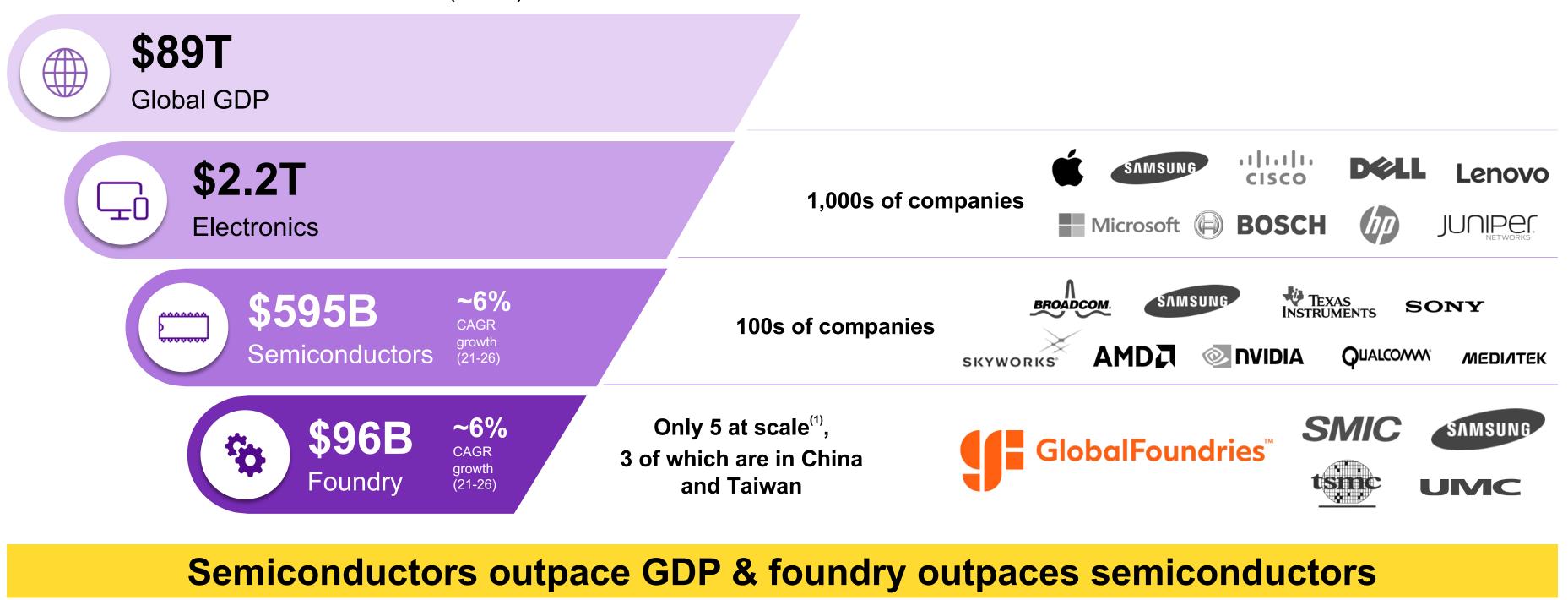


#### **Data everywhere**



## Foundries are essential to global GDP

Market Size (2021)



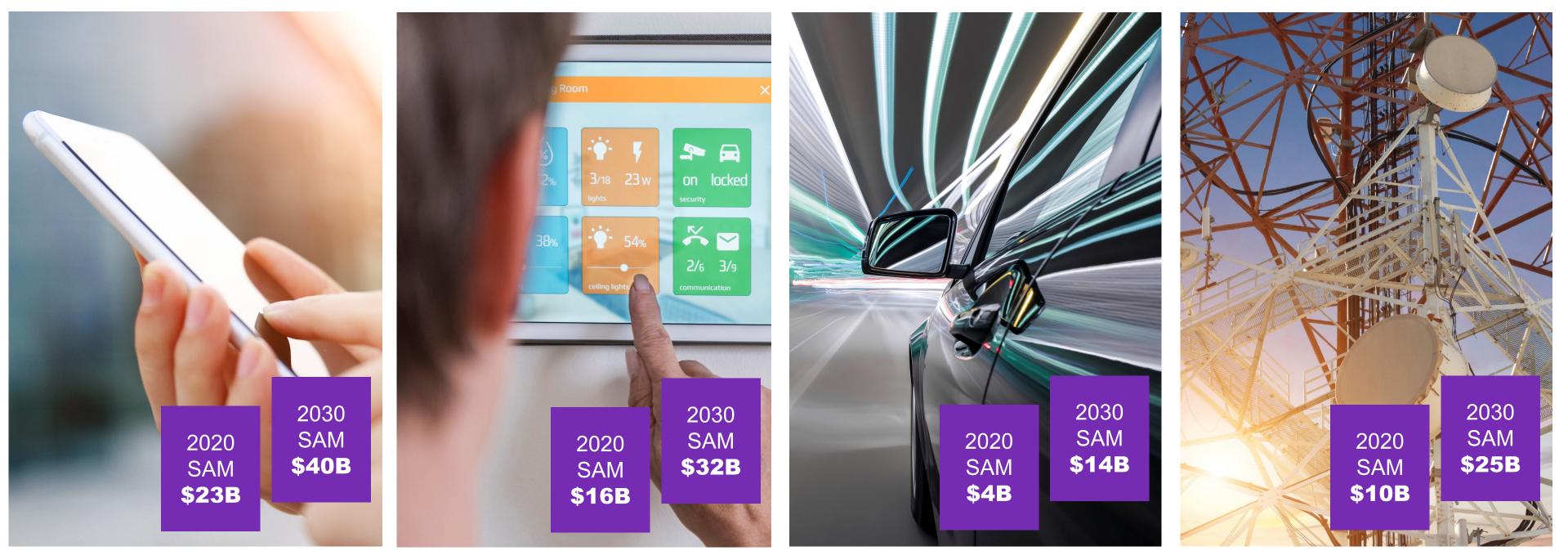
Source: Global GDP: World Bank, IMF. Electronics; Semiconductors and Foundry: Gartner "Forecast, Semiconductor Foundry Revenue, Supply and Demand, Worldwide, 1Q22 Update (April 2022)

#### Note:

1. Excludes smaller foundry players, defined as those with less than \$2Bn of foundry revenue



# Uniquely positioned in markets that matter



Smart Mobile Devices Home and Industrial IoT **Automotive** 

#### Communications Infrastructure & Datacenter

## **Smart Mobile Devices**

#### 4G LTE/5G: RF FE Sub-6GHz

RF SOI Higher Data Rate Power Efficiency

#### 5G: RF FE mmWave FDX™

Expanded Range Power Efficiency

#### 4G LTE/5G: Transceiver FinFET

Higher Data Rate Power Efficiency

#### Wi-Fi: Wi-Fi 6/6E FinFET

Higher Data Rate Power Efficiency



#### **Camera: Optical Imaging**

Feature-Rich CMOS Sensor Fusion Power Efficiency

#### **Smart Audio**

Feature-Rich CMOS (BCD, eNVM) Audio Quality Haptic Response

#### **Secure Payment: NFC**

Feature-Rich CMOS (eNVM) Integration of NFC+ Secure Element Secure Manufacturing

#### **Touch Screen: Display**

#### Feature-Rich CMOS

Functional Integration Power Efficiency

#### **Power Management: RF, Audio**

Feature-Rich CMOS (BCDLite®), FDX™

Increased Efficiency Smaller Form Factor

#### GF has 75% of silicon area in top premier smartphones in RF FE, Audio & NFC

## Home and Industrial IoT

#### **Smart Camera: Image Sensing** FDX™

Edge Intelligence Low Power Connectivity

#### **Smart Features: SoC**

**Feature-Rich CMOS** High Transfer Rate **Power Efficiency** Edge Intelligence

#### **Smart Control: WL MCU**

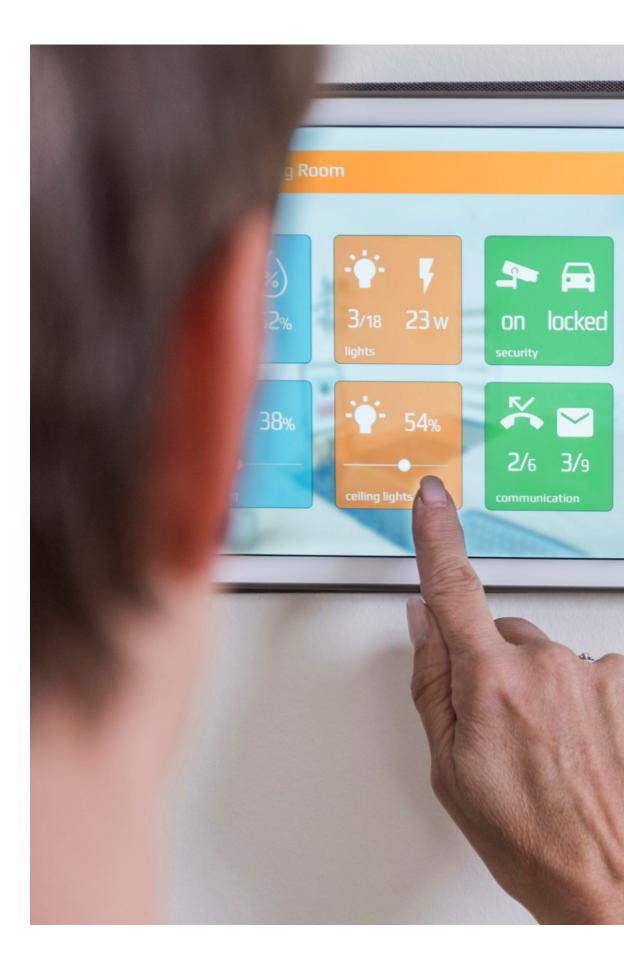
FDX™ Power Wireless (BLE, Wi-Fi, 15.4)

#### **Smart Features: MCU**

Feature-Rich CMOS (BCD) **Power Management** 

#### Secure Transactions/ **Interactions: NFC**

Feature-Rich CMOS (eNVM) **Power Efficiency** 





#### **Smart Speaker:** Audio

Feature-Rich CMOS (BCD, eNVM) Power Efficiency **Power Management** 

#### **Wi-Fi Connection:** Wi-Fi

FDX™ Edge Intelligence Low Power Connectivity

#### **Touch Screen: Display**

**Feature-Rich CMOS** 

Sensor Fusion **Power Efficiency** 

#### Medical IoT: **Medical Sensing**

FDX™ Edge Intelligence Low Power Connectivity

## Automotive

#### **5G Connection: RF FEM mmWave**

FDX™ RF mmWave Low Power Connectivity

#### **Vehicle Power: DC-DC**, **BMS**, **Charger**

Feature-Rich CMOS (BCD, eNVM)

High Voltage Precision **Power Efficiency** Power Management

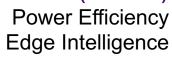
#### **Vehicle Network: Zone/Domain/Fusion** Controllers

FDX<sup>™</sup>, FinFET

**Power Efficiency High Performance High Temperature** 

#### **Comfort/Customization/ Keyless Entry: MCU,** NFC, BLE, UWB

Feature-Rich CMOS (eNVM)







#### **ADAS: Radar**

FDX™ RF mmWave **Power Efficiency** Edge Intelligence

#### **Touch Screen: Display**

#### **Feature-Rich CMOS**

Sensor Fusion **Power Efficiency** 

#### **ADAS: LiDAR**

#### Silicon Photonics

High Transfer Rate **Power Efficiency** Edge Intelligence

#### **User Experience: IVI, Cluster**

#### Feature-Rich CMOS (BCD)

**Power Efficiency Power Management** 

# **Communications Infrastructure & Datacenter**

#### 5G Infrastructure: RF FEM mmWave

RF SOI, SiGe, 22FDX<sup>®</sup> RF mmWave Power efficiency

#### 5G Infrastructure: Network processor / Switch

FinFET, Feature-Rich CMOS Performance analog/mixed signal

#### Data communications: Redriver

SiGe Signal loss compensation Data reliability & integrity

#### 4G LTE/5G Infrastructure: RF FEM Sub-6GHz

RF SOI, SiGe RF features Power efficiency



#### **Connectivity: Optical networking**

#### Silicon Photonics

Data throughput >4x Cu Cu replacement for inter and intra DC connectivity

#### Chiplets/2.5D/3D: IOD

FinFET Performance analog/mixed signal

#### Novel compute: Al/Photonics/Quantum

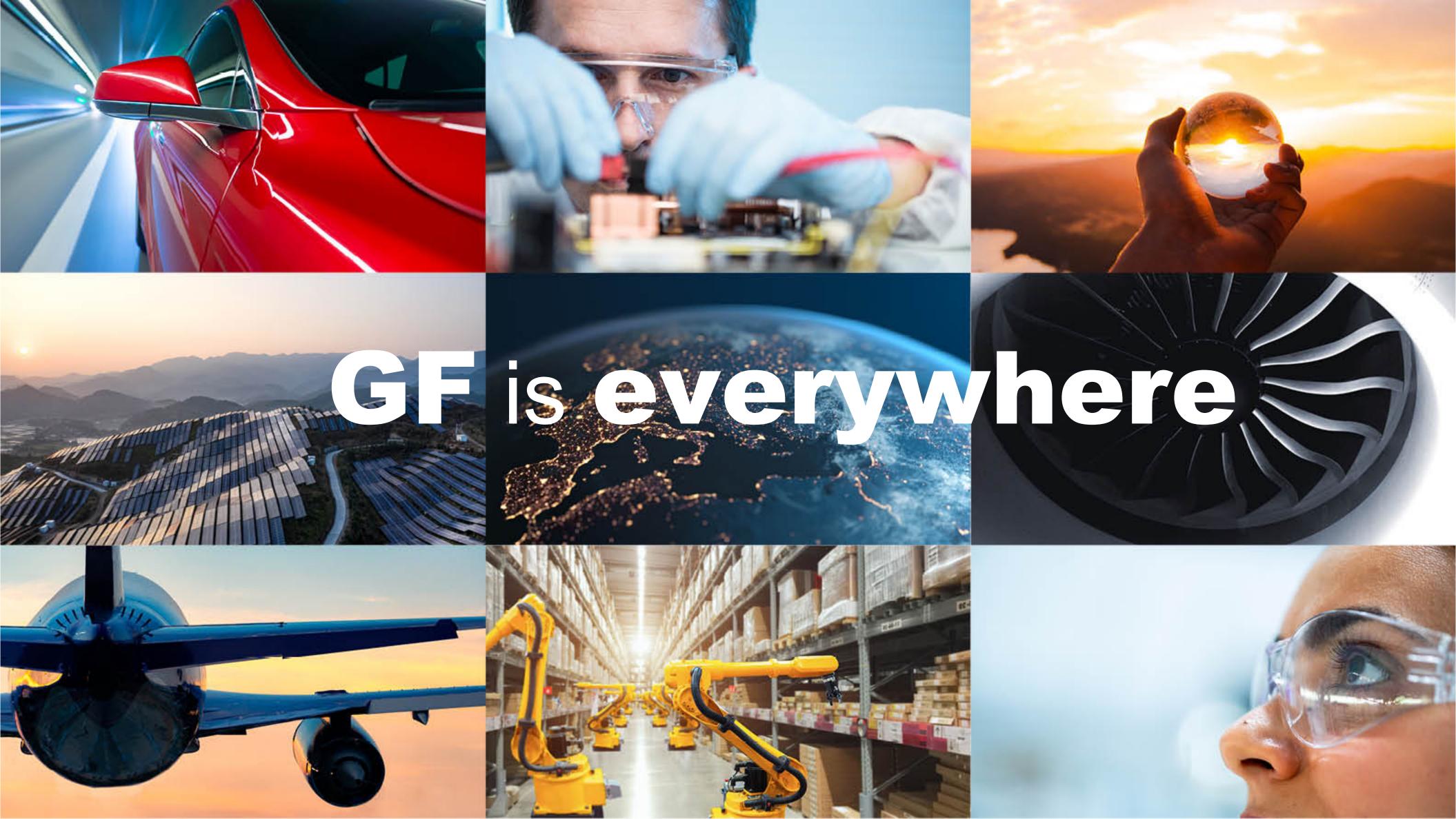
#### **FinFET, Silicon Photonics**

System integration: electronics & photonics Highest performance/power efficiency

#### **Power delivery**

#### Feature-rich CMOS (BCDLite®)

High Voltage High efficiency



## Global Footprint

## Nanufacturing at a glance

**99%** 

line yield up to 15 years reliability

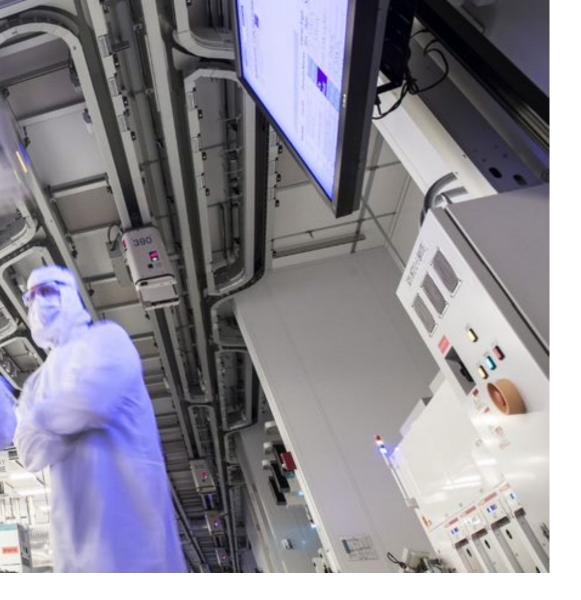
#### >31M

hours worked in 2020 at better than safety benchmarks

#### 800 NPIs

per year, ramped in 6-9 months to HVM **99%** 

on time delivery



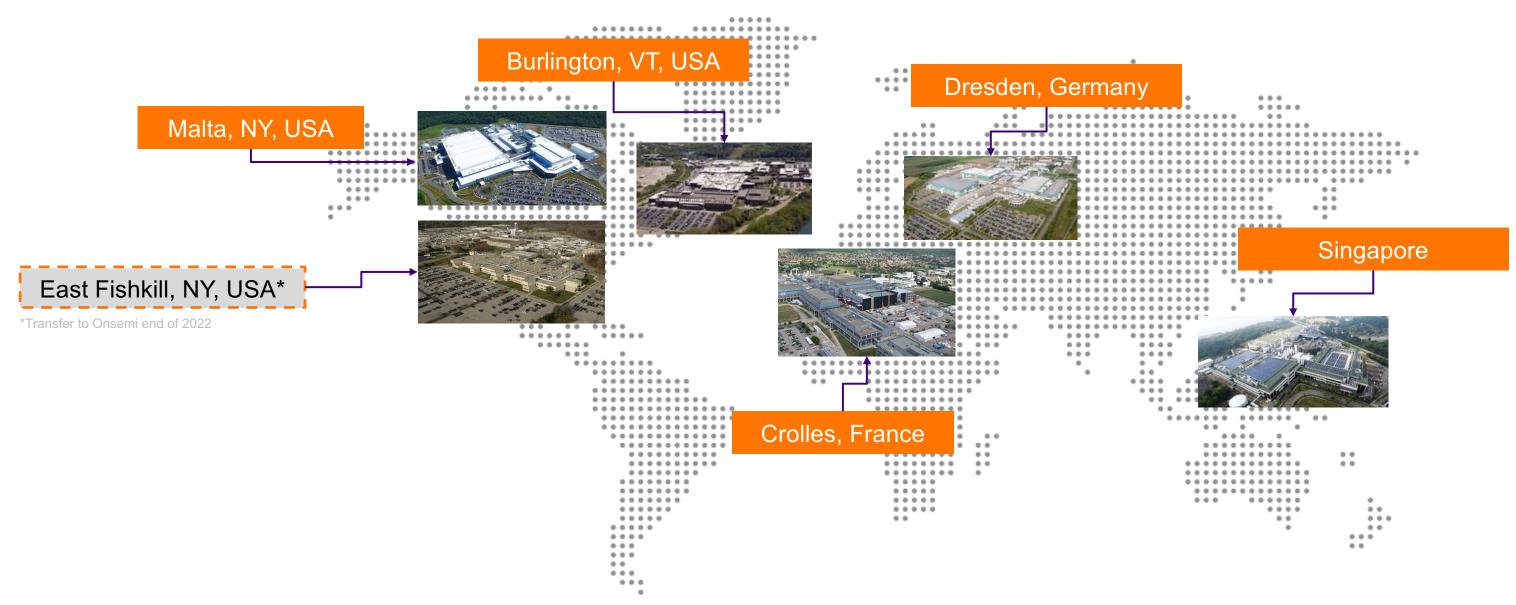
#### 5

manufacturing sites across three continents

#### Zero

stock outs impacting customer commitments

## **Global manufacturing footprint & strategy**



Supply chain security through dual-technology qualification



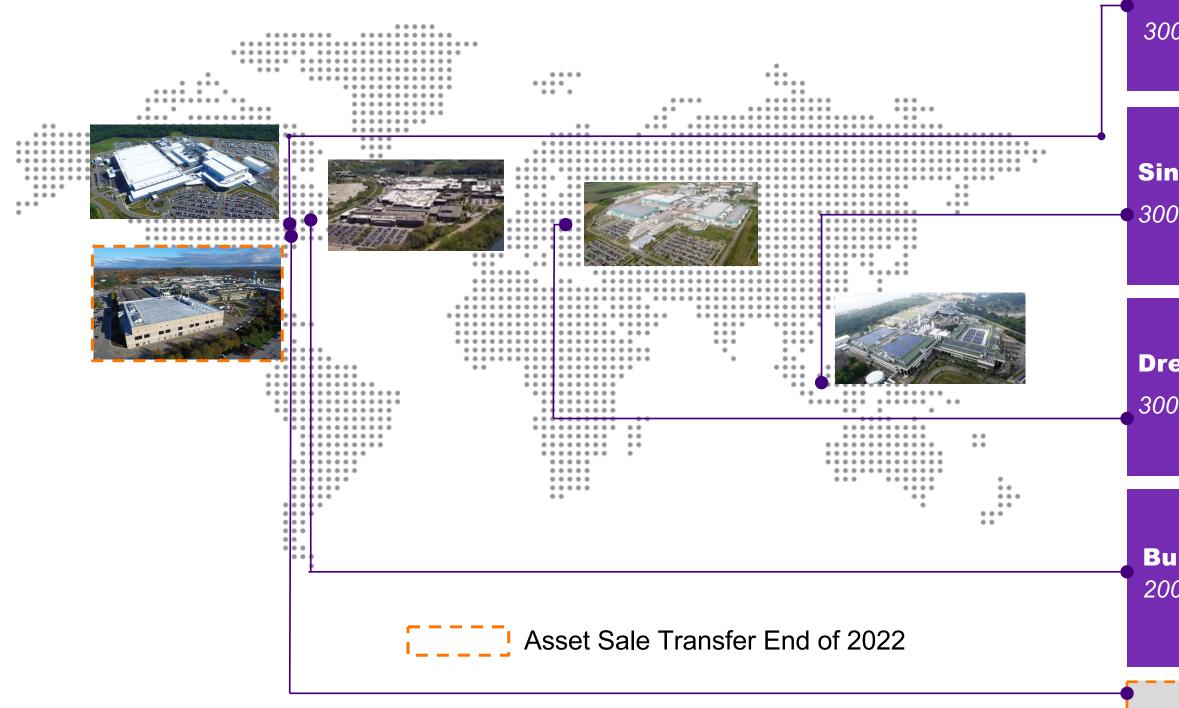
Economies of scale through modular expansion at existing sites



+50% Capacity increase by 2020 vs 2025



### **Global manufacturing** footprint - current



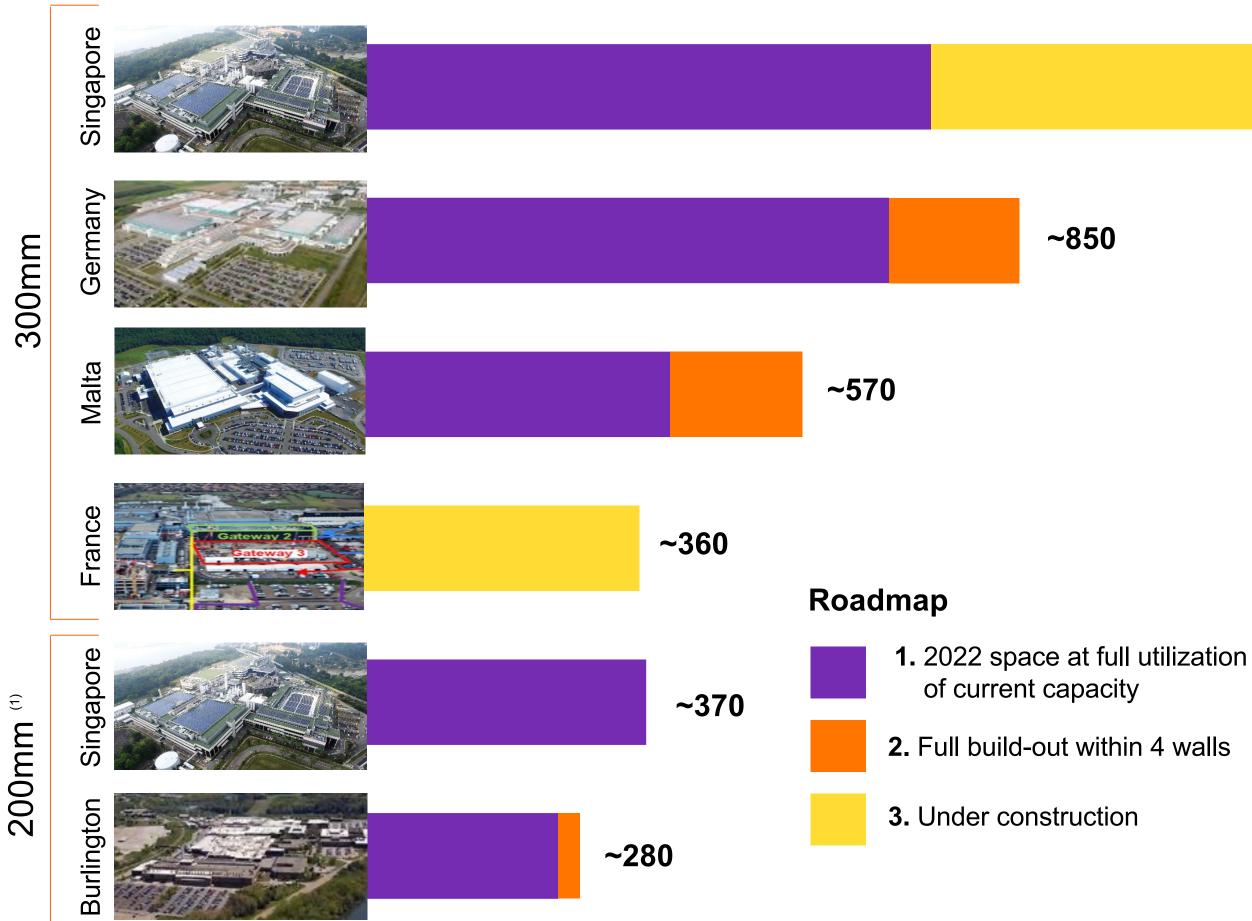
#### Note:

1. Kwpa is defined as 2022 capacity in thousand wafers per annum

2. 200mm capacity translated to 300mm equivalent

<b>Malta, NY, USA</b>	<b>Capacity:</b> 400 kwpa
300mm	<b>Technology:</b> FinFET, NVM, RFSOI, SiPh
<b>Singapore</b> 300mm & 200mm	<b>Capacity:</b> 730 & 370 kwpa <b>Technology:</b> BCD/BCDLite, HV, NVM, DDI, RFSOI, LP SiGe
<b>Dresden, Germany</b>	Capacity: 680 kwpa
300mm	Technology: FDX™, NVM, HV, BCDLite
<b>Burlington, VT, USA</b>	<b>Capacity:</b> 250 kwpa
200mm	<b>Technology:</b> RFSOI, SiGe, GaN
<b>East Fishkill, NY, USA</b> 300mm	<b>Capacity:</b> 150 kwpa <b>Technology:</b> HP CMOS, RFSOI

## **Capacity expansion roadmap**



#### Notes:

1. 200mm capacity translated to 300mm equivalent, in kwpa. 2. Full build up Plan through 2028. 3. Does not include future capacity plans under development



~1,200



#### **Global manufacturing FOOTPRINT** focused on supply security, diversity & sustainability

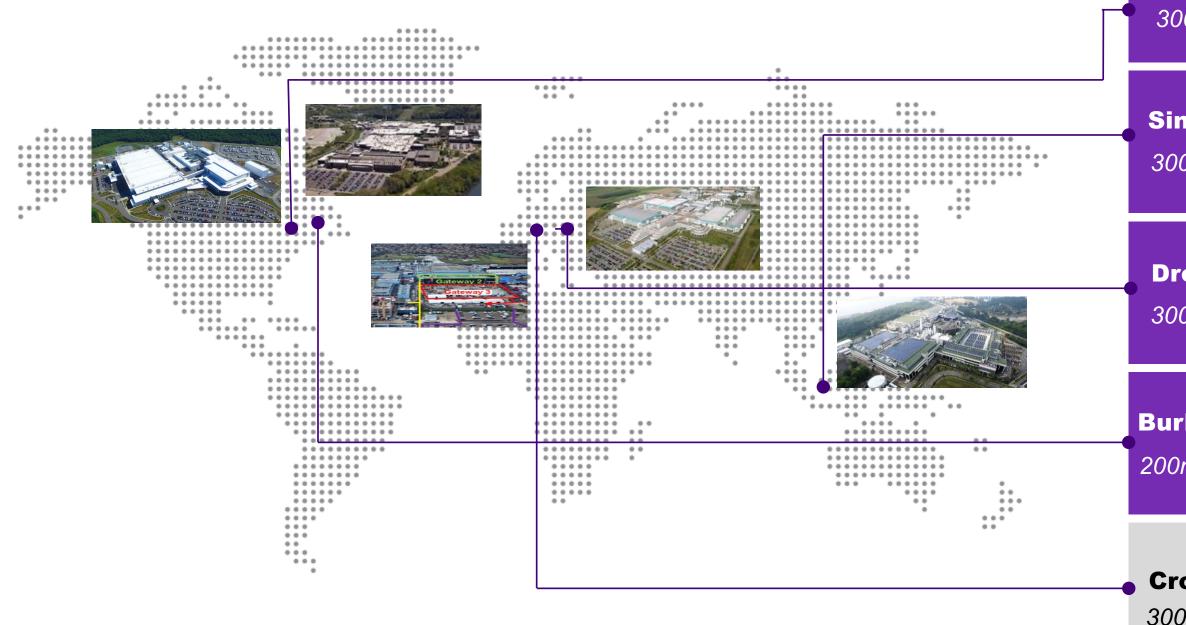
>50% capacity expansion from 2020 levels

Economy of scale through modular expansion at existing sites in global footprint

**Dual site sourcing** provides flexibility & security

25% GHG reduction in emissions by 2030





Note:

- 1. Kwpa is defined as 2022 capacity in thousand wafers per annum
- 2. 200mm capacity translated to 300mm equivalent

<b>alta, NY, USA</b>	<b>Capacity:</b> 570 kwpa
00mm	<b>Technology:</b> FinFET, NVM, RFSOI, SiPh
<b>ngapore</b> 00mm & 200mm	<b>Capacity:</b> 1,200 kwpa & 370 kwpa <b>Technology:</b> BCD/BCDLite, HV, NVM, DDI, RFSOI, LP SiGe
<b>resden, Germany</b>	<b>Capacity:</b> 850 kwpa
)0mm	<b>Technology:</b> FDX™, NVM, HV, BCDLite
<b>rlington, VT, USA</b>	Capacity: 280 kwpa
Omm	Technology: RFSOI, SiGe, GaN
<b>rolles, France</b>	Capacity: 360 kwpa
0mm	Technology: 22FDX®



**Phase 0**: Install 20 unique FDX<sup>™</sup> tools to form pilot line for technology transfer starting 2023

Phase 1-3: Ramp starts Q4'24. Full build up to 360kwpa

### **Crolles, France** partnership with **STMicroelectronics**

#### **GF co-managed facility**

- On site GF management supplemented by Dresden expertise
- Direct oversight of all planning and operations
- Depreciation, fixed and variable cost sharing model based on actual utilization and consumption
- Stable and low-cost energy supply through French Nuclear energy network





>1.5M of 300mm equivalent wafers serving Auto, Mobile and IoT

**Secured government grants and** customer commitments

## Singapore modular expansion

First tool-in announced in June 2022

**Ready for production in 2023** 





**Planning and preliminary** permitting underway

**Strong government and** customer partnerships

**CHIPS and Science Act signed into** law in August 2022

## Malta, NY expansion

**Expansion announced in July 2021** 

## Sustainable operations

### Journey to ZER Carbon





38%

Reduction in electricity use intensity

36%

Reduction in GHG emissions intensity

40%

Reduction in water use intensity

62,100

Tons annualized reduction of chemical use and waste



100% of **3TG** minerals we use are conflict free

### **2022 and Beyond**

33%

Reduction in electricity use intensity by 2025

25%

Absolute reduction in GHG emissions by 2030<sup>(1)</sup>

33%

Reduction in water use intensity by 2025

90%

Landfill avoidance in 2022

## Technology Development

## Technology **Development** at a glance



technologists in dedicated research teams

#### >30K

wafers per year dedicated to development

>50

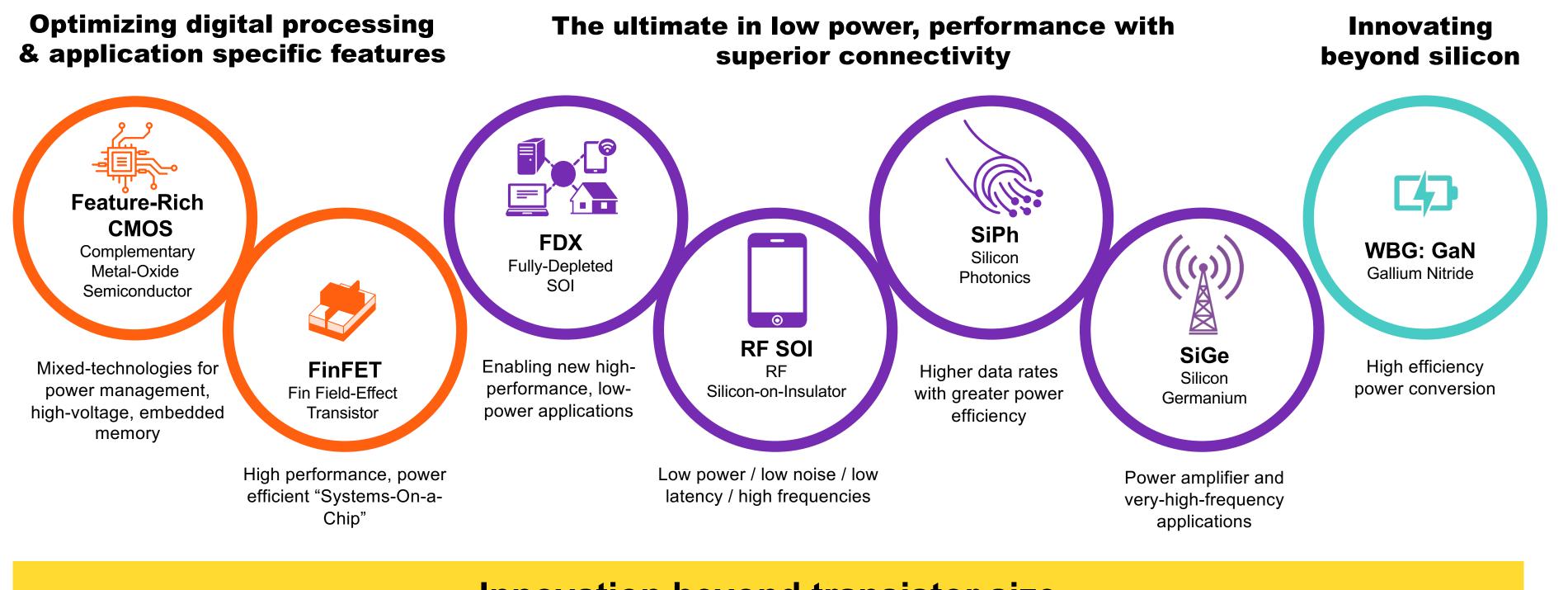
universities, government partners and other research institutes partnered in collaborative efforts



#### >150

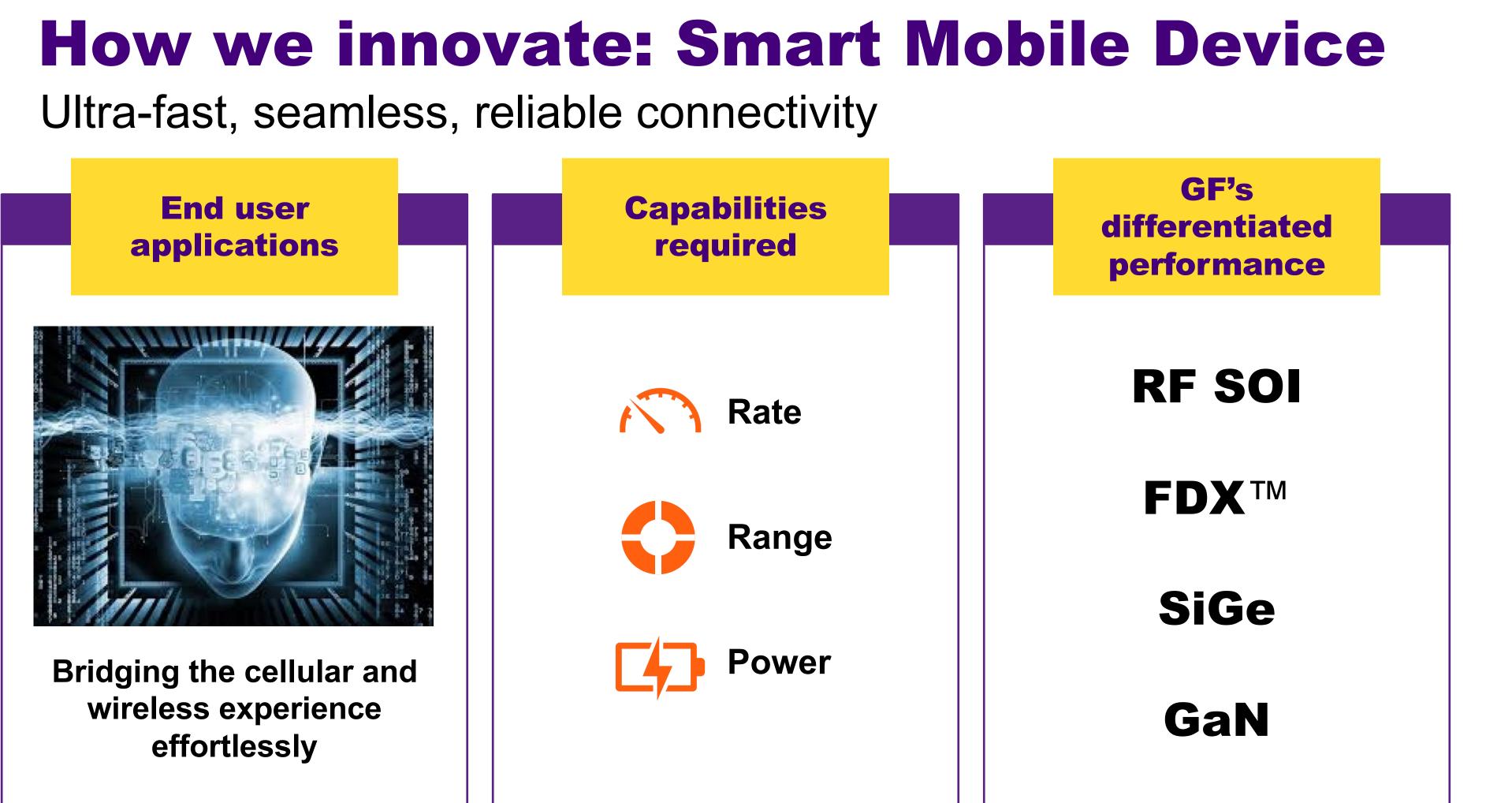
differentiated programs built on 25+ world class platforms

# Innovation through market-driven purpose-built platforms



#### **Innovation beyond transistor size**

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## Investing for a bold future

Feature-Rich CMOS	FinFET	FDX™ FD-SOI	<b>F</b> SOI	SiPh	((w)) SiGe	
130nm BCDLite®Gen1 BCDLite®Gen2 BCD Auto BCD+NVM BCD 120V 55nm BCDLite® eNVM BCD VR SPAD/BSI Auto 1SP DDI/HV eNVM mMW 28nm ISP DDI/HV eNVM mMW	12LPAutoRFIC12LP+ULPHDLVRRAMATV-150	22FDX ULL / ULP RF/ mmW MRAM Auto ISP RRAM IVR TSV HBT 22FDX+ ULL/ULP RF-Gen2 MRAM-G2 RRAM 12FDX RF/mmW ULL/ULP	180nm 7SW LNA SW PA NSX NSX-Gen2 8SW LNA SW LOW latency LNA EDMOS PA 9SW 90nm 45RFSOI 45nm	90WG 250um pitch Fiber Array attach High Power Wave Guides 45CL0 127um pitch Fiber Attach TSV On-Die Laser Micro-ring Modulators Custom 45SP3 45SPQ	130nm Power Amp 8HP+ Power Amp 9HP+ 45SG01 Power Amp 40LP-SiGe	



GaN/Si (WBG)

> GaN/Si PA Power

#### **Huge features portfolio:**

120 technology solutions enabling thousands of customer products

#### **2022 expansion:**

+16 technology solutions + 6 new platforms + dozens of new features in dev.

#### **Beyond Si solutions:**

Adding wide bandgap materials for power and RF – GaN/Si

#### **Physical sciences innovation**



Materials enabling new capabilities



New devices to extend and expand applications



Advanced tooling and processes

# **LABS**

#### **Design innovation**



System level architecture explorations



Heterogeneous integration



Al-enabled design



Circuit topologies

#### **Partnership / ecosystem**



Expanded university engagements



Customer collaborative



Government supported and targeted R&D



Lab-to-lab

#### **Market Focus**



6G and beyond



AR / VR



Datacenter



Quantum computing



Automotive

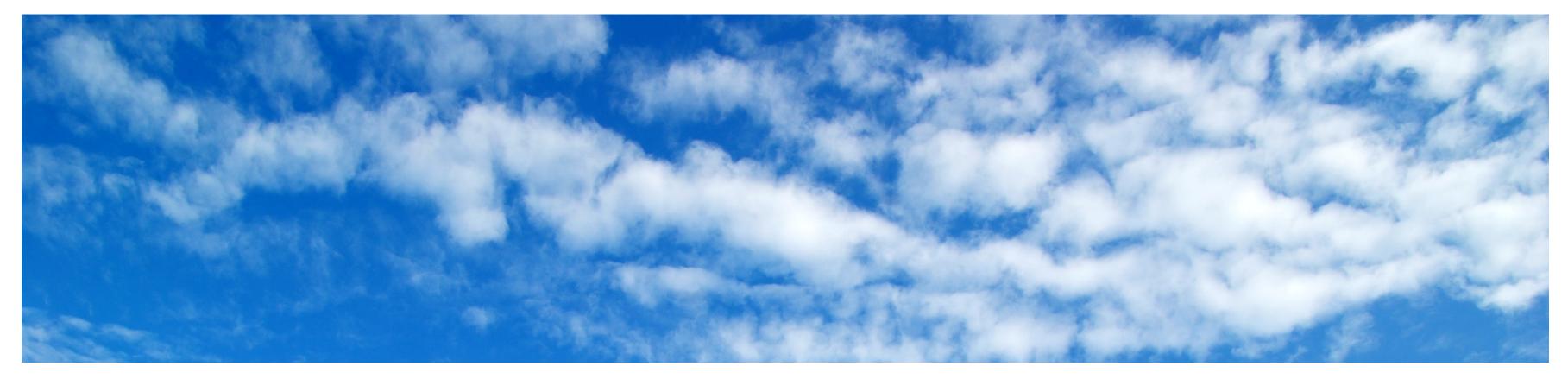
projects

## **GF Labs: Our R&D ecosystem of partners**



## Environmental, Social Governance

## **Commitment to ESG**



#### **Environmental**

**Journey to Zero Carbon:** 25% Greenhouse Gas (GHG) emissions reduction by 2030

**>36K** annualized metric tons of Carbon equivalent savings achieved in 2019 / 2020

>415K annualized cubic meters water savings achieved in 2019 / 2020

#### Social

**13** total GF Awards in 2019, 2020 and 202 exceptional performance in CSR and EHS

**200 / 200:** Perfect scores in 2020-2021 Responsible Business Alliance audits

World Class: GF TRIR 2020 safety rate ( lowest in our history

GF named one of "America's Safest Companies" in 2020\*

#### Governance

21 for S	4 independent Board directors		
	Independent audit, risk, and compliance committee		
0.13)	Experienced global compliance function		
	Enterprise risk management framework		
	<b>Conflict-free</b> supply chain for 3TG: gold, tantalum, tungsten and tin		

# **GFShield:** a foundation of trust

## GlobalFoundries INFOR GFSHIEL SECURITY PRODUCT CYBER

#### **Beneficial geopolitical landscape**

During times of increasing international trade conflicts, GF benefits from the resilience of global scale of operations in stable low-risk geographies (United States, Germany and Singapore)

#### Pedigree of secure at-scale manufacturing

- 1.
- ISO 15408 Certification to manufacture Common Criteria Secure Products 2.
- 3. ISO 27001 Certification for Information Security Management

#### **Intellectual Property (IP) protection** With an industry-leading track record protecting GF IP and customers' IP

#### In a world of escalating threats and risks in the technology sector, our foundation of trust offers a strong competitive edge



Only pure-play foundry in The United States Department of Defense Trusted Foundry Program

# Supply chain responsibility, resiliency and security





" Completed the RBA validated audit process achieving PLATINUM status with a full audit score of 200/200 " **RBA** Recognition, Fab 9

**Stable and Diverse Geographic Footprint** 









## **Trusted Supplier** to DoD

**Critical Supplier - Defense Production Act** 

# Our Team and Culture





>90

nationalities in 13 countries >10 new co



employees working in STEM fields

~75%

employees with university degrees (PhD, masters, bachelors)

#### >1000

new college graduates hired

2018 - present



female workforce



engineers, technicians and operators

# **GF** senior leadership team



**Dr. Thomas Caulfield** CEO & President





Juan Cordovez **Chief Commercial Officer** 



Mike Hogan **Chief Business Officer** 



KC Ang Chief Manufacturing Officer



Mike Cadigan **Chief Quality Officer** 



Pradheepa Raman **Chief People Officer** 



Laurie Kelly Chief Communications Officer



**David Reeder** Chief Financial Officer



**Gregg Bartlett Chief Technology Officer** 



**Kevin Soukup Chief Strategy Officer** 



Saam Azar **General Counsel** 

## **GF board of directors**



Ahmed Yahia Al Idrissi Chairman of the Board





**Tim Breen** 



**Ahmed Saeed AI Calily** 



Martin L. Edelman



Elissa Murphy Independent



David Kerko



**Carlos Obeid** 

#### **Dr. Thomas Caulfield**



#### **Glenda Dorchak**

Independent



Jack Lazar



#### **Bobby Yerramilli-Rao**

Independent



# **Investing in our team and** communities

**1.4M** hours invested in training our employees in 2020

### >2500

Employee resource group members worldwide

- GlobalWomen •
- Affinity Group)
- GlobalFamilies
- VRG (Veterans • **Resource Group**)

>4300

GlobalGives employee members



donated in 2021, includes employee donations with corporate funding

**BRAG (Black Resource** 

- Early Career and Tenure **Resource Group**
- Unidos, Hispanic/Latinx **Resource Group**
- ASIA (Asian Society for Inclusion and Awareness), AAPI Resource Group
- Pride@GF, LGBTQ+ Resource Group



#### **Our Mission**

We innovate and partner with our customers to deliver technology solutions for humanity.

We manufacture semiconductors around the globe.

#### **Our Vision**

We are changing the industry that is changing the world.

# Our Values





### Create

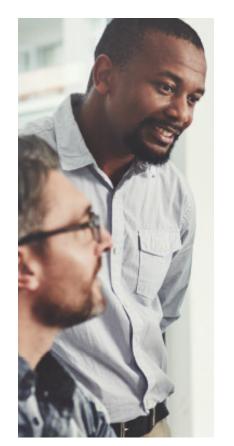
- Innovate beyond what is possible today
- Differentiate our technology
- solving
- Create value for our customers and for our shareholders

### **Embrace**

- Diversity is a competitive advantage
- The best ideas comes from being inclusive
- Act with a shared sense of purpose
- Respect everyone

## **All with unyielding integrity**

to enable customer success Have a passion for problem-



### **Partner**

- Collaborate across all borders & boundaries
- Strive for win-win outcomes
- Build trust as the basis of every relationship



#### **Deliver**

- Our customers can count on us to deliver on our commitment
- Work effectively, efficiently and decisively
- Focus on outcomes and are accountable for results
- Celebrate and reward success
- Nothing matters without safety





- <u>GF.com</u>
- News & Events
- **GF Investor Relations Website**
- **GF Leadership Team**
- **GF Board of Directors**
- **Diversity & Inclusion**
- **Environmental Social Governance at GF**
- Careers at GF



# Connect with GF



GlobalFoundries



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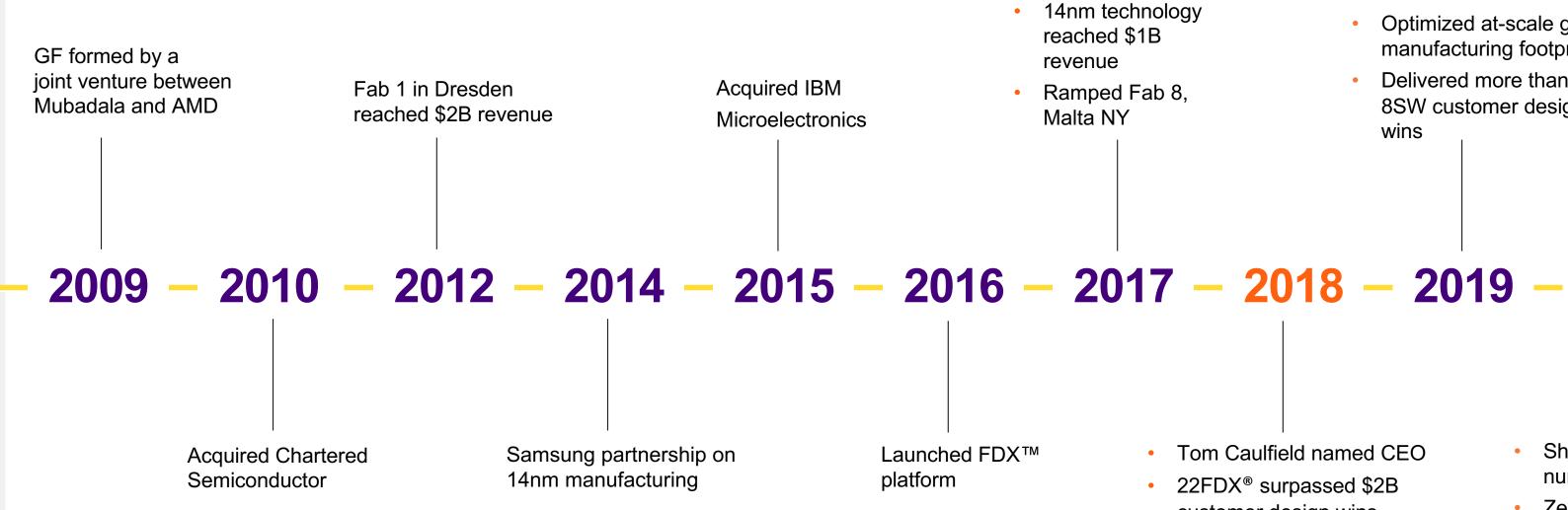
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Q3 2022-4



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# The making of a global semiconductor manufacturer



- 14nm technology reached \$1B revenue
- Ramped Fab 8, Malta NY

- Carved out and sold ASIC business
- Optimized at-scale global manufacturing footprint
- Delivered more than \$1B 8SW customer design wins

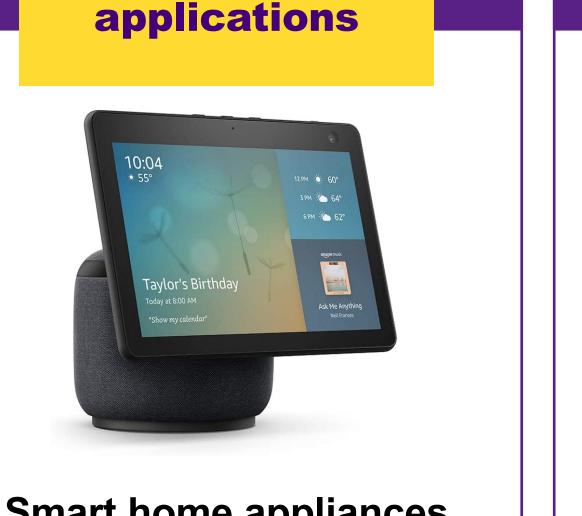
- Moved HQ to New York
- Broke ground on new fab in Singapore
- Announced major auto collaborations
- Fab 8 expansion announced
- GF IPO

#### 2020 2021

- Tom Caulfield named CEO
- 22FDX<sup>®</sup> surpassed \$2B customer design wins
- Strategic reposition to feature-rich solutions

- Shipped record number of wafers
- Zero operational disruptions
- GF Shield launched

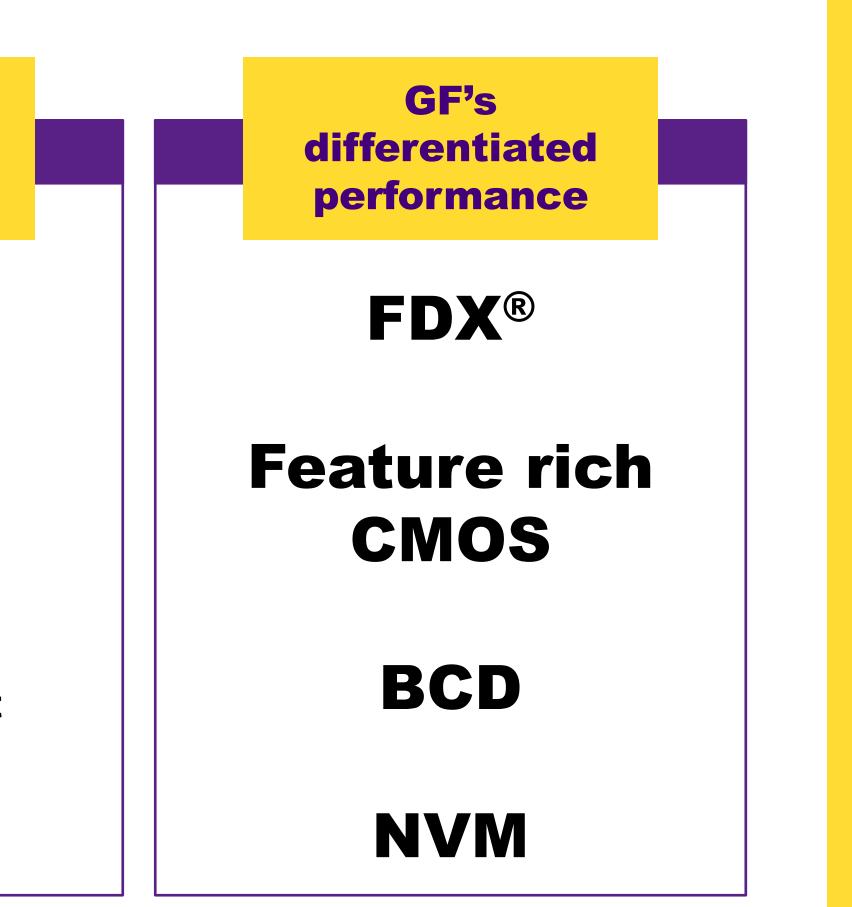
# How we innovate: Industrial & Home IoT



End user

**Smart home appliances** Smart speaker Security system





# How we innovate: next gen **5G infrastructure**

#### **End user** applications



**Increased range + greater** area coverage

Increased data rate + low latency for HD video and AR/VR

**Capabilities** required

5G sub 8GHz / mmWave



Satellite **Communications** 



**Reliability / availability** 





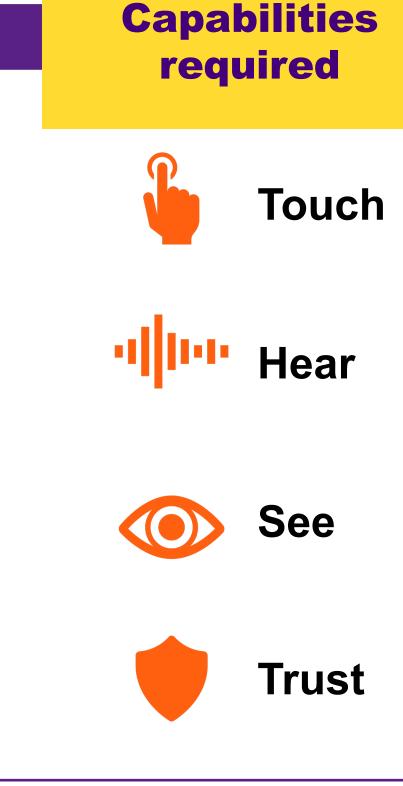
# How we innovate: Smart **Mobile Device**



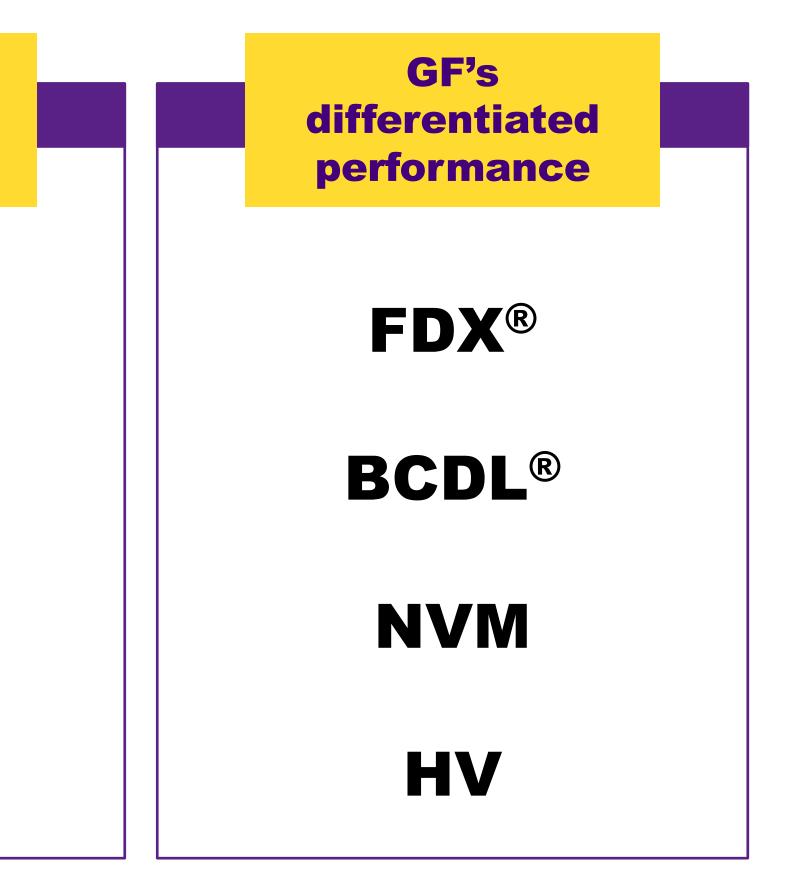
**End user** 

applications

Hyperconnected human experience bridging physical & digital worlds







# How we innovate: Industrial & Home IoT

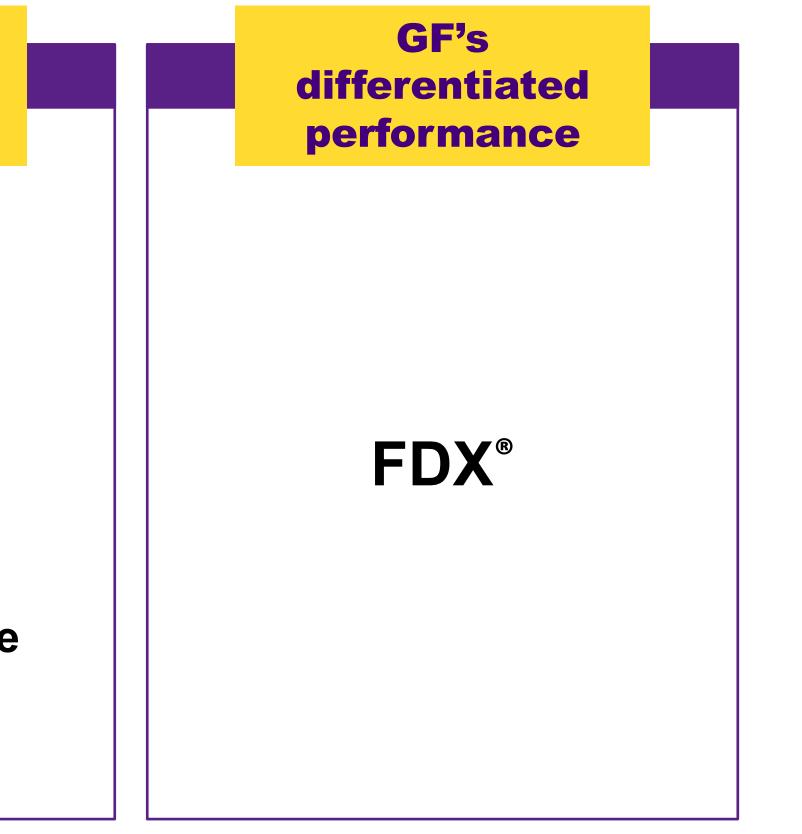
End user applications



Video streaming Connected camera Smart home <section-header>RateRangeBattery life

**Capabilities** 

required



## How we innovate: ADAS **End user Capabilities** applications required Range **Field of view** Resolution Robustness Power Autopilot in highway and Intelligence urban traffic scenarios



#### **GF's** differentiated performance

### **FDX**<sup>®</sup>

## SiGe

### **Feature-rich CMOS**

## **FinFET**

#### How we innovate: Automotive **GF's End user Capabilities** differentiated applications required performance BCD **Efficient power: Feature-rich** Creation **CMOS Conversion 300+ mile range** GaN Monitoring **Delivering a smartphone** like user experience Time to charge

# **Manufacturing operations** leadership



**KC** Ang Chief Manufacturing Officer



Peter Benyon SVP and GM Malta, NY Fab



**Joseph Chia** VP and GM GIGA+ Singapore Fab



**Manfred Horstmann** SVP and GM European Fabs



Ken McAvey VP and GM Burlington, VT Fab



**Pradip Singh** SVP & GM, Global Manufacturing **Operations Excellence** 







**Zhimin Gu** VP, New Singapore Fab Operations



**Neil Peruffo** VP and GM East Fishkill, NY Fab

Yew Kong Tan SVP and GM Singapore Fabs