



SiTime Leads the World in Precision Timing

The Heart-Beat of all Electronic Systems



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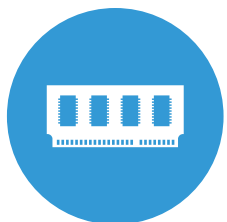
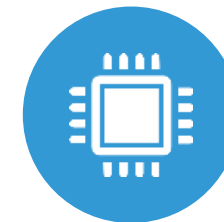
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Timing is the Heartbeat of Every Electronic System

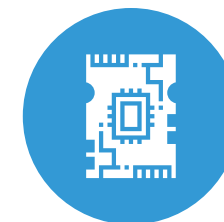
Connectivity



Processor



Memory



SoC, ASICs, FPGAs



SiTime is the Leader in Precision Timing

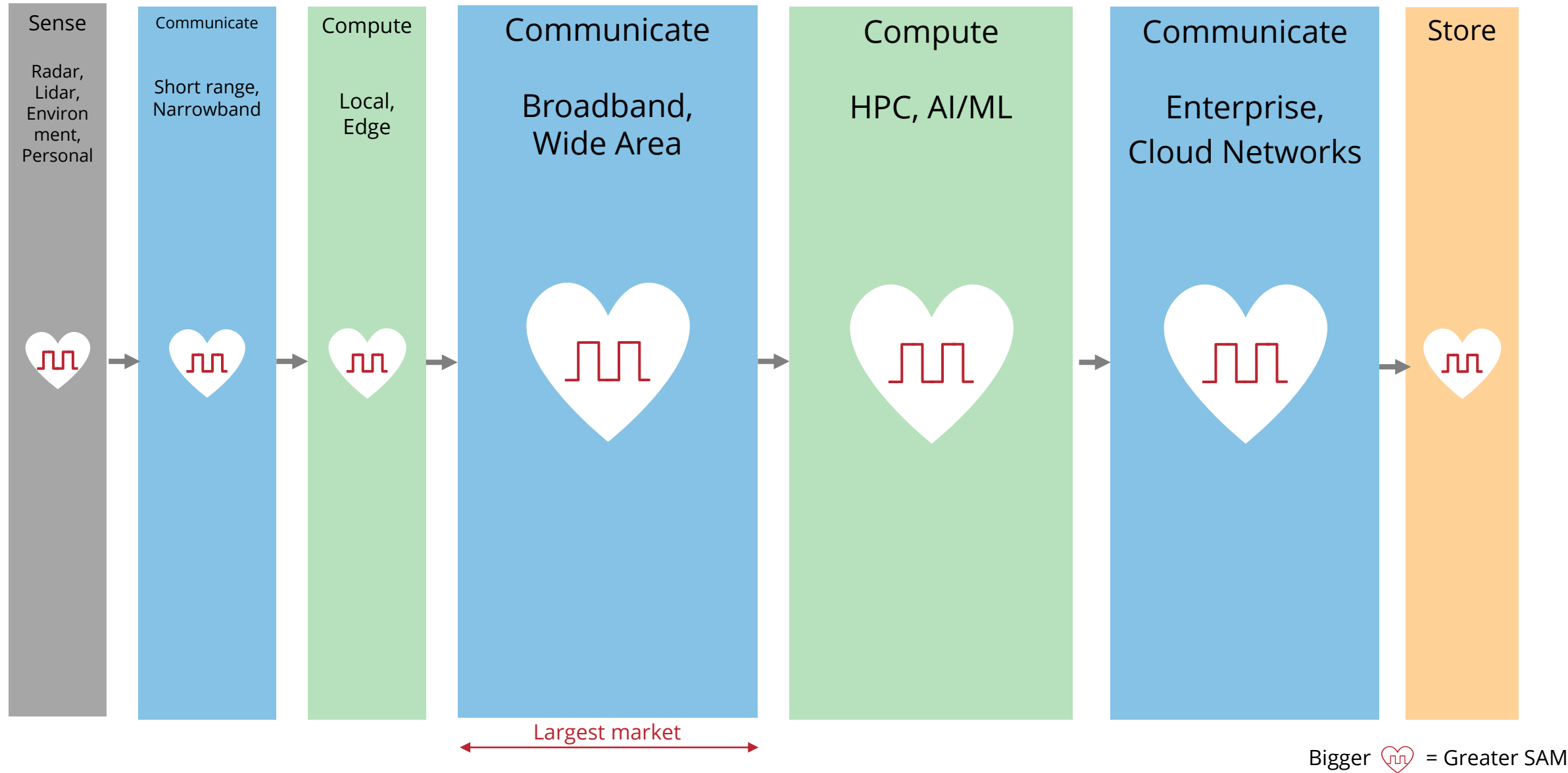
SiTime Created Precision Timing

- ***Precision Timing is:*** Extremely accurate timing, under harsh environmental conditions, such as shock, vibration, changes in temperature, jitter and noise.
- ***SiTime empowers Silicon technology for Precision Timing:*** Silicon is far superior to old style quartz technology, which has been used for 70 years.
- ***Advantages of Precision Timing:*** Small size, low power, shock and vibration resistant, resistant to changes in temperature, low phase noise and jitter.

New Technologies Require Precision Timing

- **5G communications:** 5G is 10X the speed of 4G, which means timing needs to be 10X more accurate. Small Cells and Base Stations need accurate timing in harsh outdoor conditions with vibration and changes in temperature.
- **Data Center:** Data Center speeds have increased 10X in the last few years: They now needs 10X the performance in harsh [hot] data centers.
- **Automotive:** Electric Vehicles & ADAS systems need Precision timing to protect against shock and vibration, and changes in temperature.
- **Aerospace:** Aerospace markets need Precision timing to be impervious to extreme changes in temperature, and extreme vibration and shock.

Precision Timing – Critical to Sensing, Communication, Computing, Storage



SiTime is Changing the World of Timing



Addressing a Large Market: Every electronic circuit needs timing, and timing is a \$10 billion market



SiTime Created Precision Timing: Growing at 30% to 35% per year. SITM has over 90% share



High Barriers to Entry: Silicon MEMS process technology, proprietary design tools, analog design, systems



Superior Financial Performance: 30% sales CAGR. Gross Margins = 65%. Operating Margins = 30%

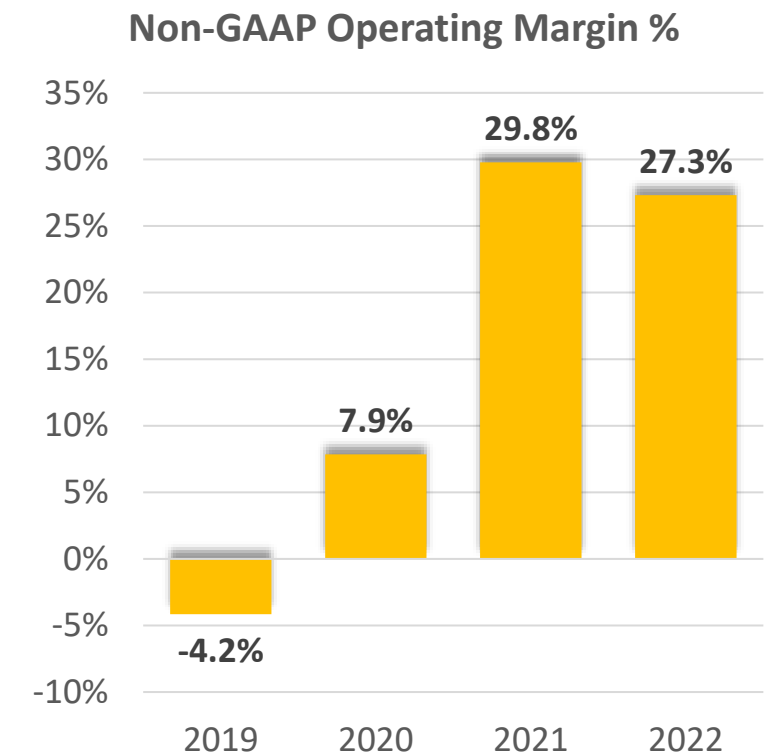
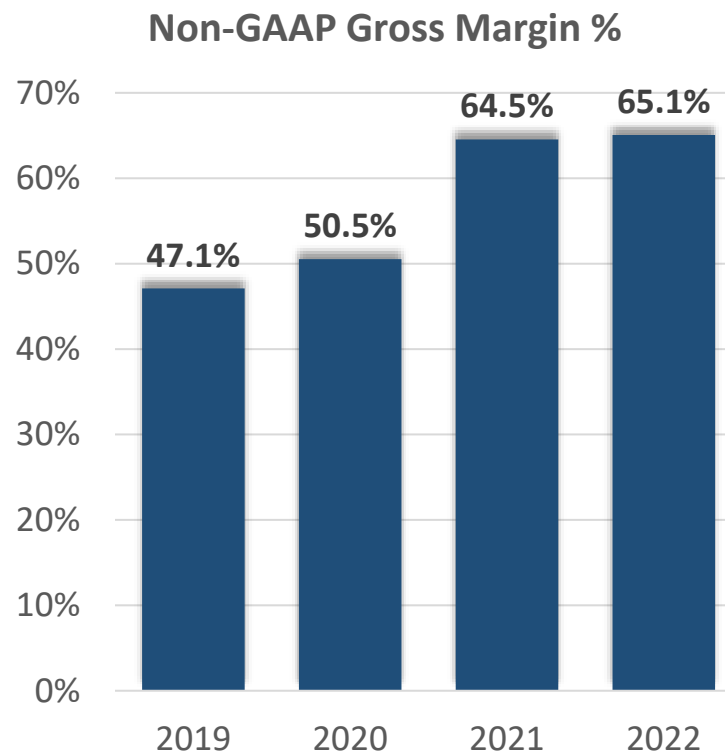
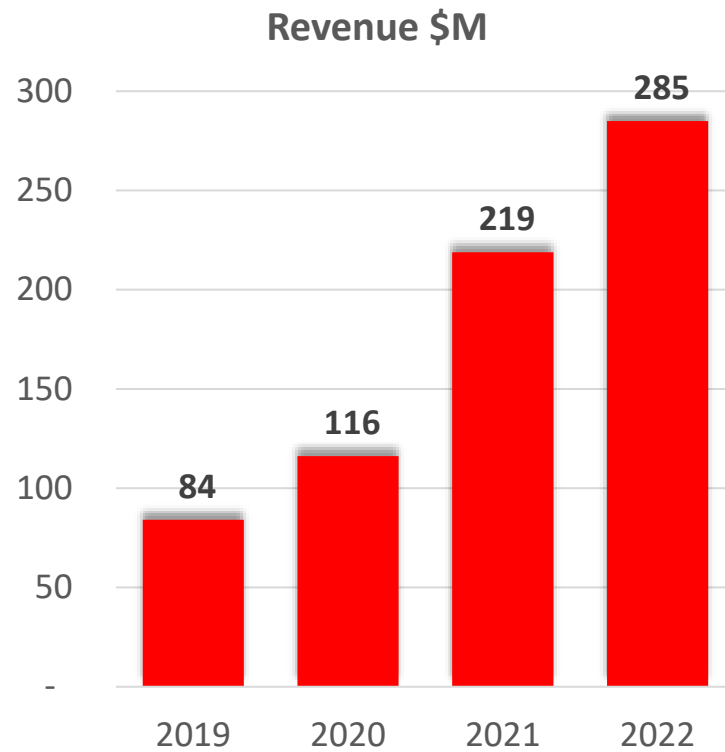


Fabless Semiconductor model: Leverages Silicon Fab and Assembly infrastructure



Proven Management Team: Track record of growing public companies

Superior Financial Performance – since IPO in 2019

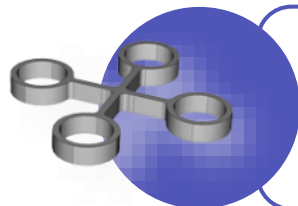


SiTime Serves a Large and Growing Market

SiTime Products

Resonators

Launched 2020

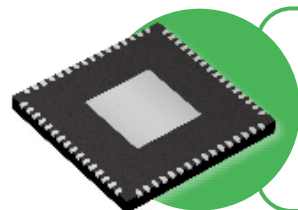


\$4B

CY2024E Resonators Market Size

Clock ICs

Launched 2020

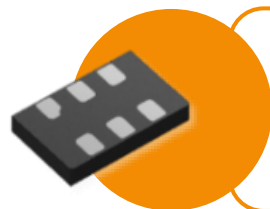


\$1B

CY2024E Clock IC Market Size

Oscillators

Majority of SiTime's
Revenue to Date



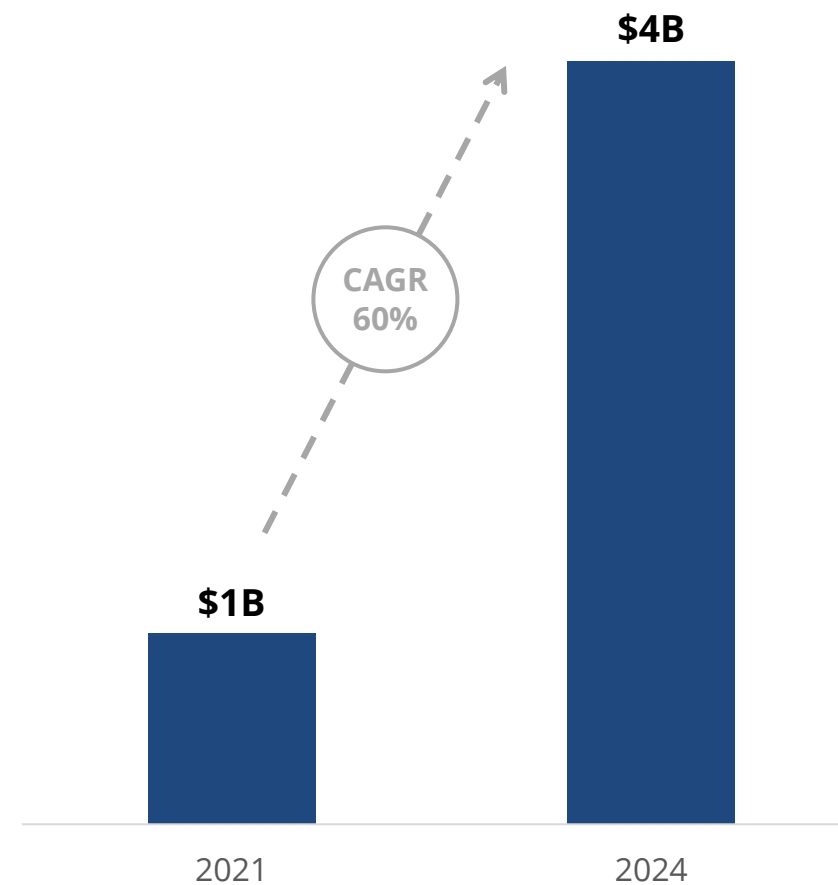
\$5B

CY2024E Oscillators Market Size

Total Timing Market ⁽¹⁾

SiTime SAM ⁽²⁾

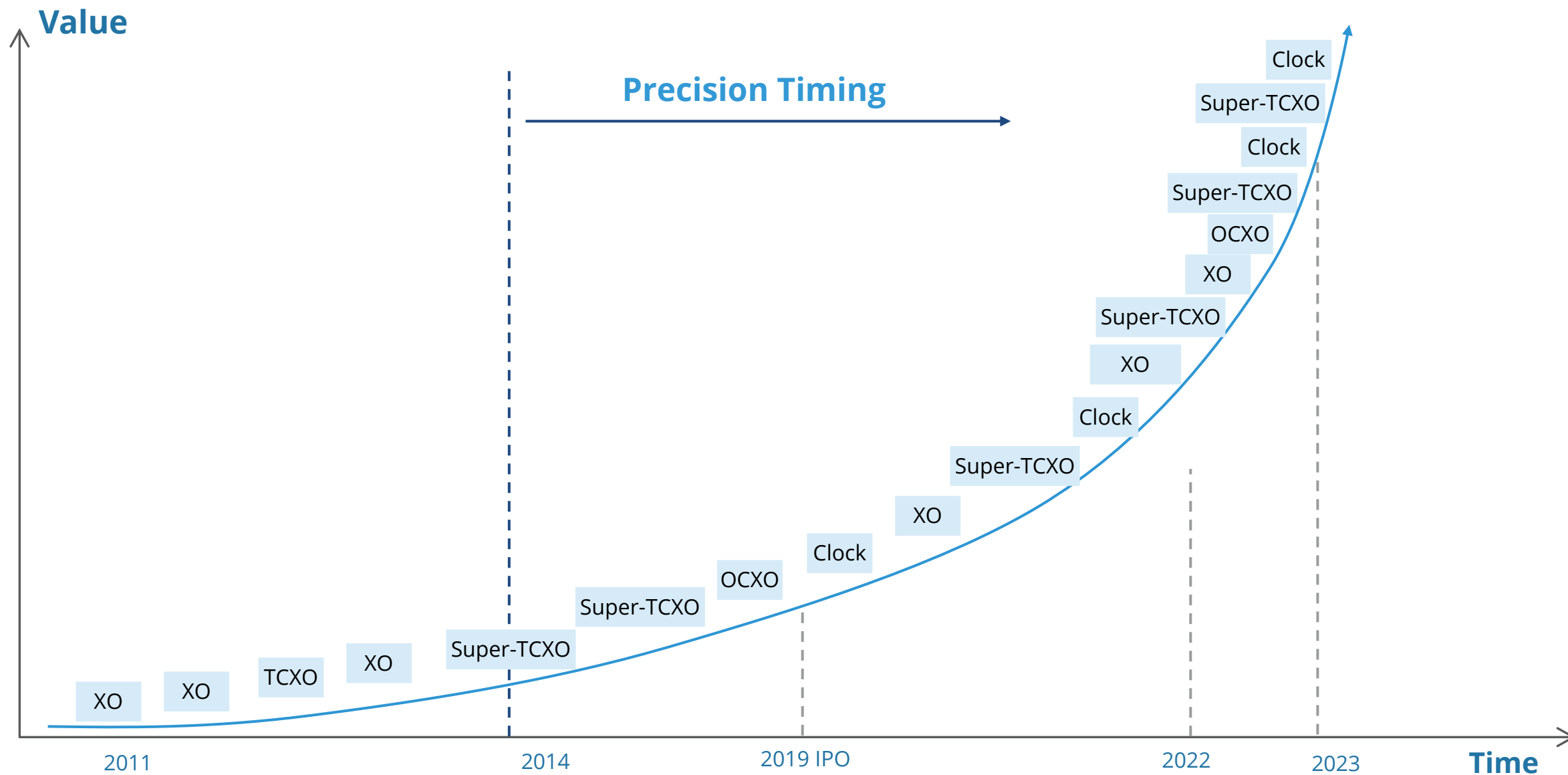
(\$ in billions)



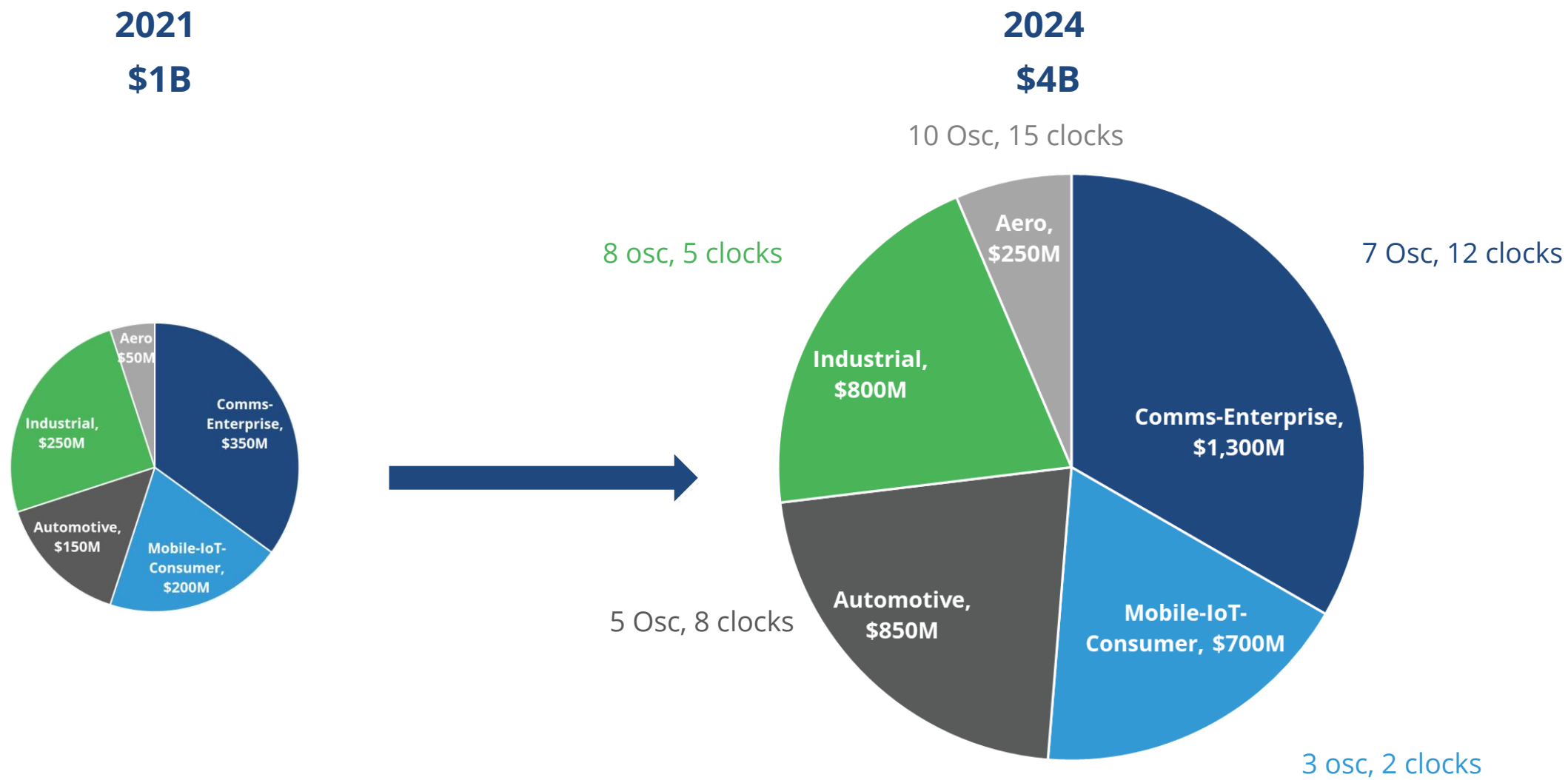
1. Dedalus Consulting, April 2019; SiTime management estimates for Clock IC market size and growth.

2. SiTime estimates.

Rapid Product Development: Drives SAM Expansion and Growth



New Products Increase SAM: From \$1 billion in 2021 to \$4 billion in 2024

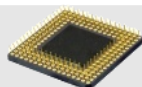


Silicon Always wins

Silicon Historically Wins



Processing



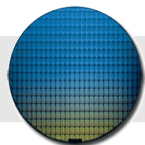
Storage



Power



Timing



Why MEMS Wins in Precision Timing



Higher Performance



Lower Power



Smaller Size



Programmable



Environmentally Robust



High Reliability

Once a Leader in MEMS, Always a Leader in MEMS

Timing



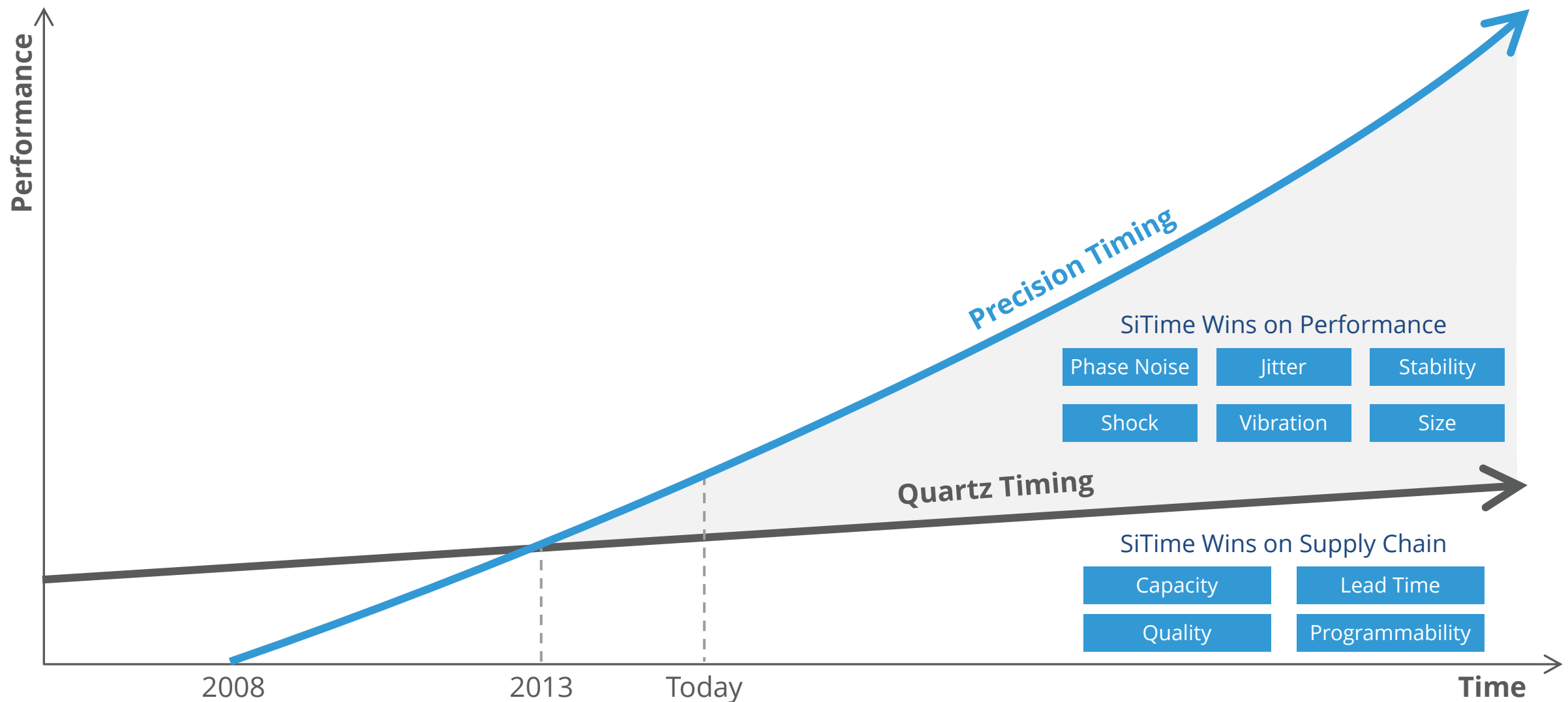
Radio Frequency



Inertial Sensors



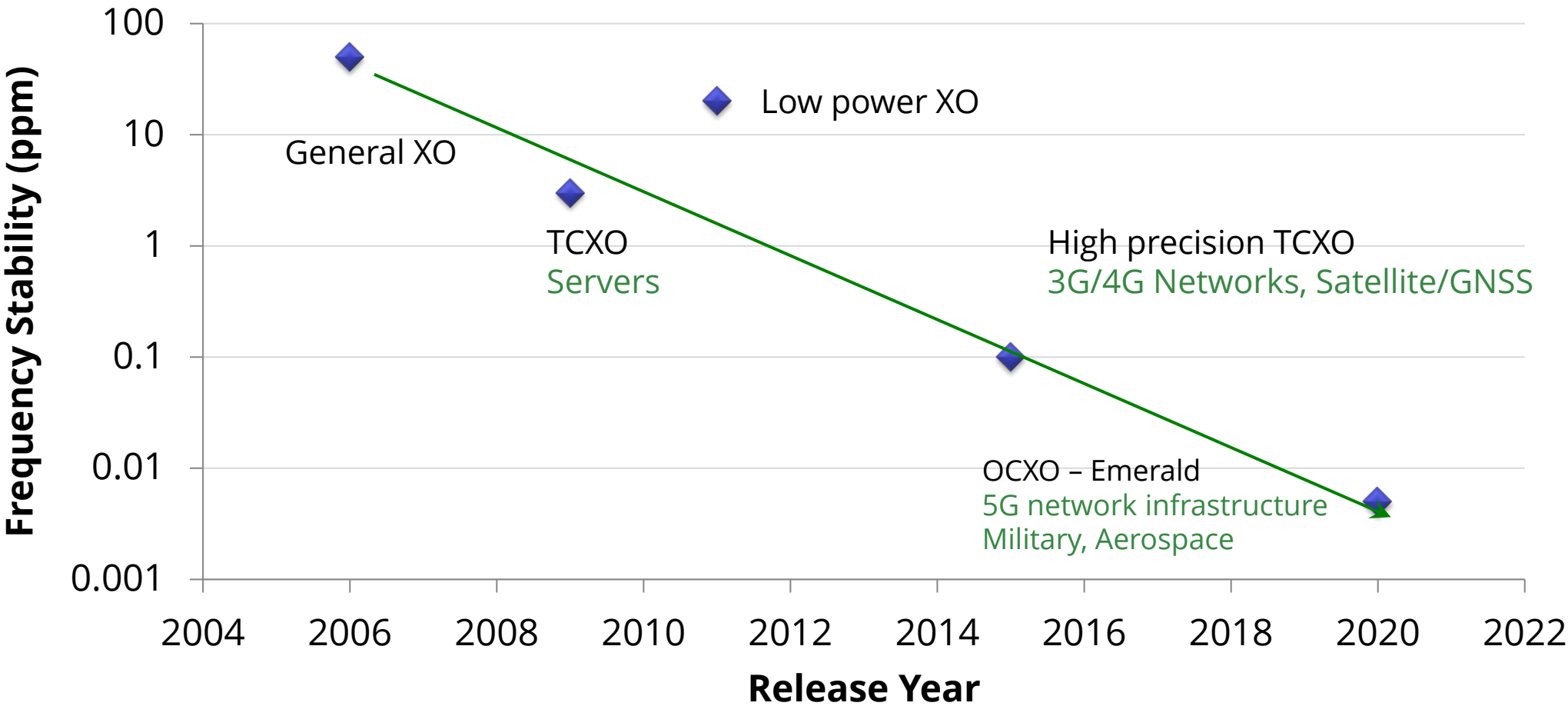
Silicon Outperforms Quartz



Note: For illustrative purposes only. The time axis is not for scale and does not point to a specific time period nor does the performance axis imply a specific rate of innovation.

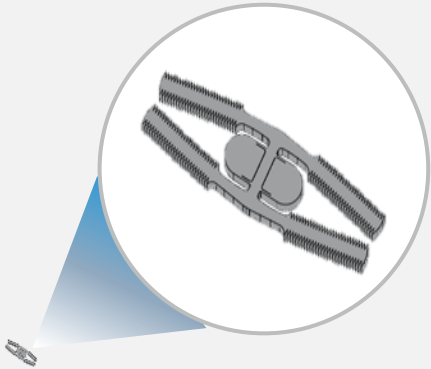
Rapid advance in Performance: Frequency Stability [one of many metrics]

10,000x Improvement in Past 15 Years
(lower is better)



SiTime Solves Difficult Timing Problems – MEMS + Analog + Systems

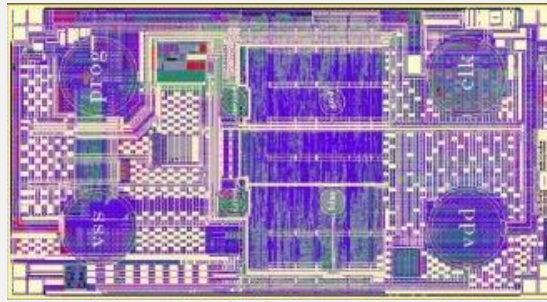
Silicon MEMS



- 5th generation MEMS
- Materials science expertise
- Proprietary MEMS process
- SiTime simulation tools

Fabrication: Bosch

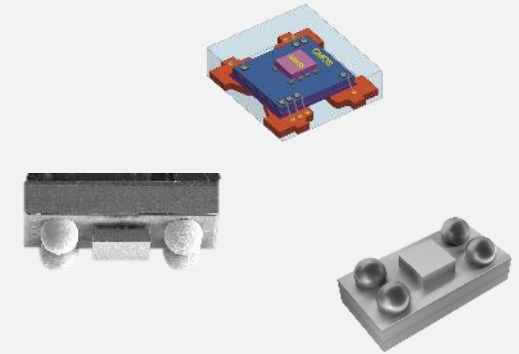
Programmable Analog



- 5th generation circuits
- Revolutionary temp sensors
- Low power, high performance
- Superior precision

Fabrication: TSMC

Systems











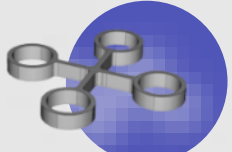
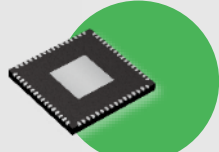
- Semi packaging & integration
- Thermoelectric optimization
- Automation
- Superior performance

Fabrication: ASE, UTAC, Carsem

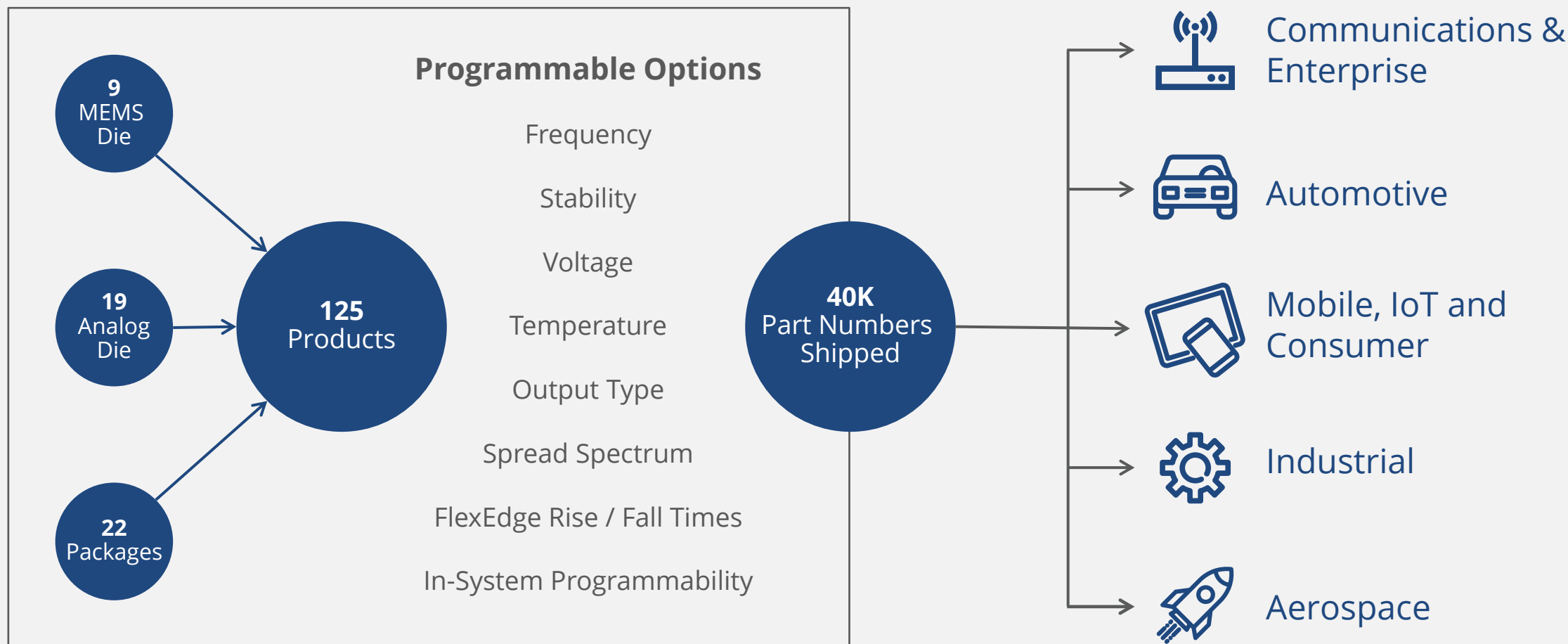
High Barriers to Entry

- Over \$500M in R&D investment since company inception
- Proprietary Silicon MEMS Fab process – 5th generation
- Proprietary tools to automates Silicon MEMS design
- Quality & reliability – <1 dppm, vs. quartz at 50 dppm
- Fabless business model: “Infinite” capacity – TSMC, Bosch, OSATs
- Advantage in clocking – competitors lack MEMS integration

Competitive Landscape – SiTime has Complete Solution

	<div>MEMS</div> <div></div>	<div> Quartz (No MEMS Silicon)</div> <div> </div>	<div> Analog Timing</div> <div> </div>
<div> Oscillator</div>	✓	✓ Source Externally	✓ Source Externally
<div> Resonator</div>	✓	✓	✗
<div> Clock IC</div>	✓	✗	✓

Silicon Allows Programmability to Meet Customer Needs



Proven Management Team

RAJESH VASHIST
Chief Executive Officer



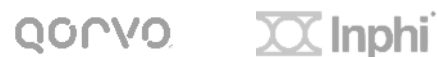
- 35 years of technology experience
- 20 years of CEO experience

ART CHADWICK
Chief Financial Officer



- 30 years as CFO, completed 3 IPOs

ATUL SHINGAL
EVP, Operations



- 35 years of semiconductor operations experience

FARI ASSADERAGHI
EVP, Technology & Engineering



- 25 years of technology and engineering experience

LIONEL BONNOT
EVP, Sales and Business Development



- 28 years of semiconductor and related sales experience

MARKUS LUTZ
Founder and CTO



- 20 years of MEMS semiconductor experience

NARAYANAN BHARATH
EVP, Systems



- 30 years of semiconductor and systems experience

PIYUSH SEVALIA
EVP, Marketing



- 30 years of semiconductor and marketing experience

VINCENT PANGRAZIO
Chief Legal Officer



- 26 years of semiconductor and legal experience

VINOD MENON
EVP, Engineering

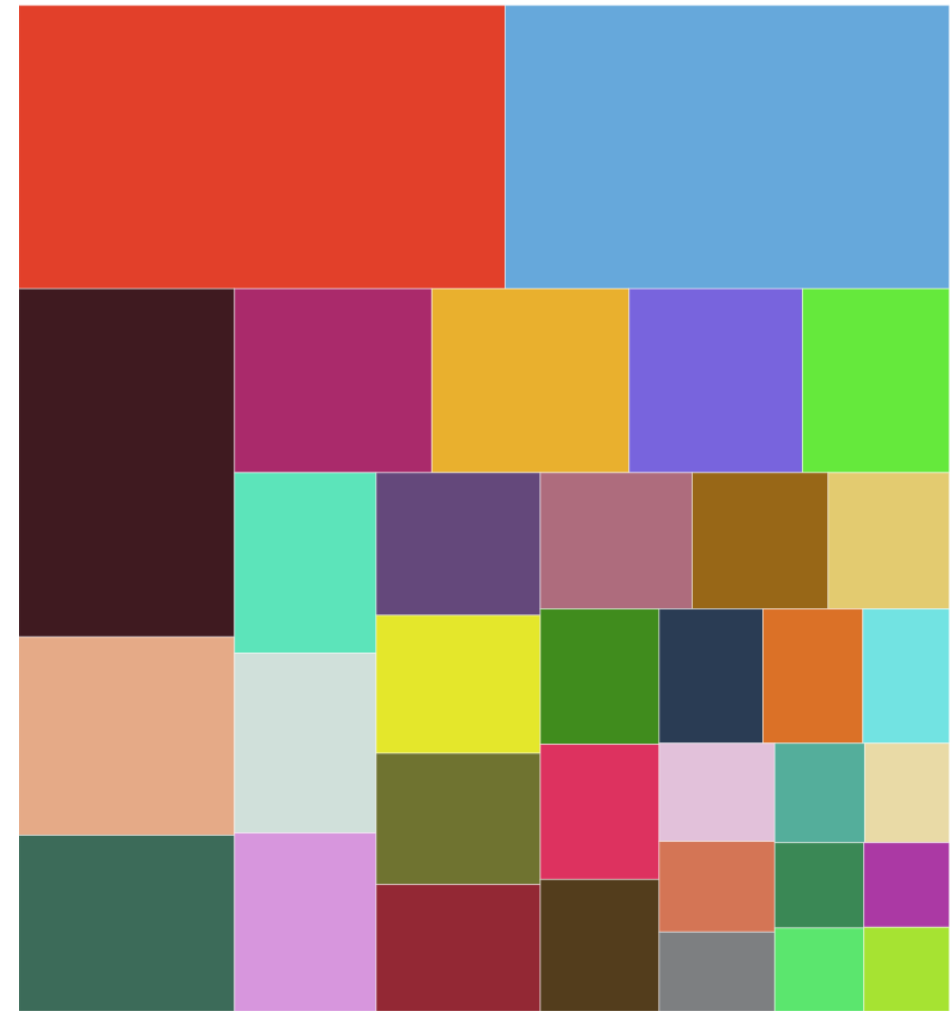


- 36 years of semiconductor and engineering experience

Significant Growth of Number of Customers with Revenues >\$1m



2019: 13 customers



2022: 34 customers

Note: The above charts represent relative revenue contribution for SiTime's customers >\$1m in revenue.

1. Excludes SiTime's largest customer

Winning in Communications and Enterprise

Drivers

- 5G driving network densification
- Hyperscaler growth
- Proliferation of edge computing

Winning Benefits

- Precision under changing temperature
- Stability under vibration
- High reliability



SMALL CELL



4G+ / 5G RRH



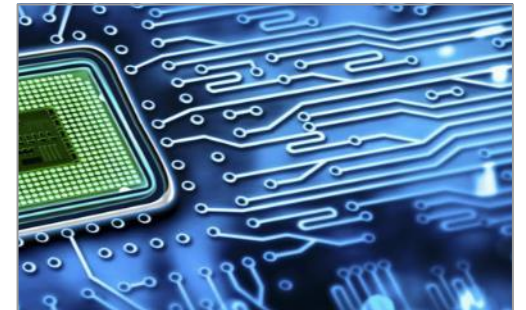
OPTICAL MODULE



ENTERPRISE SWITCH

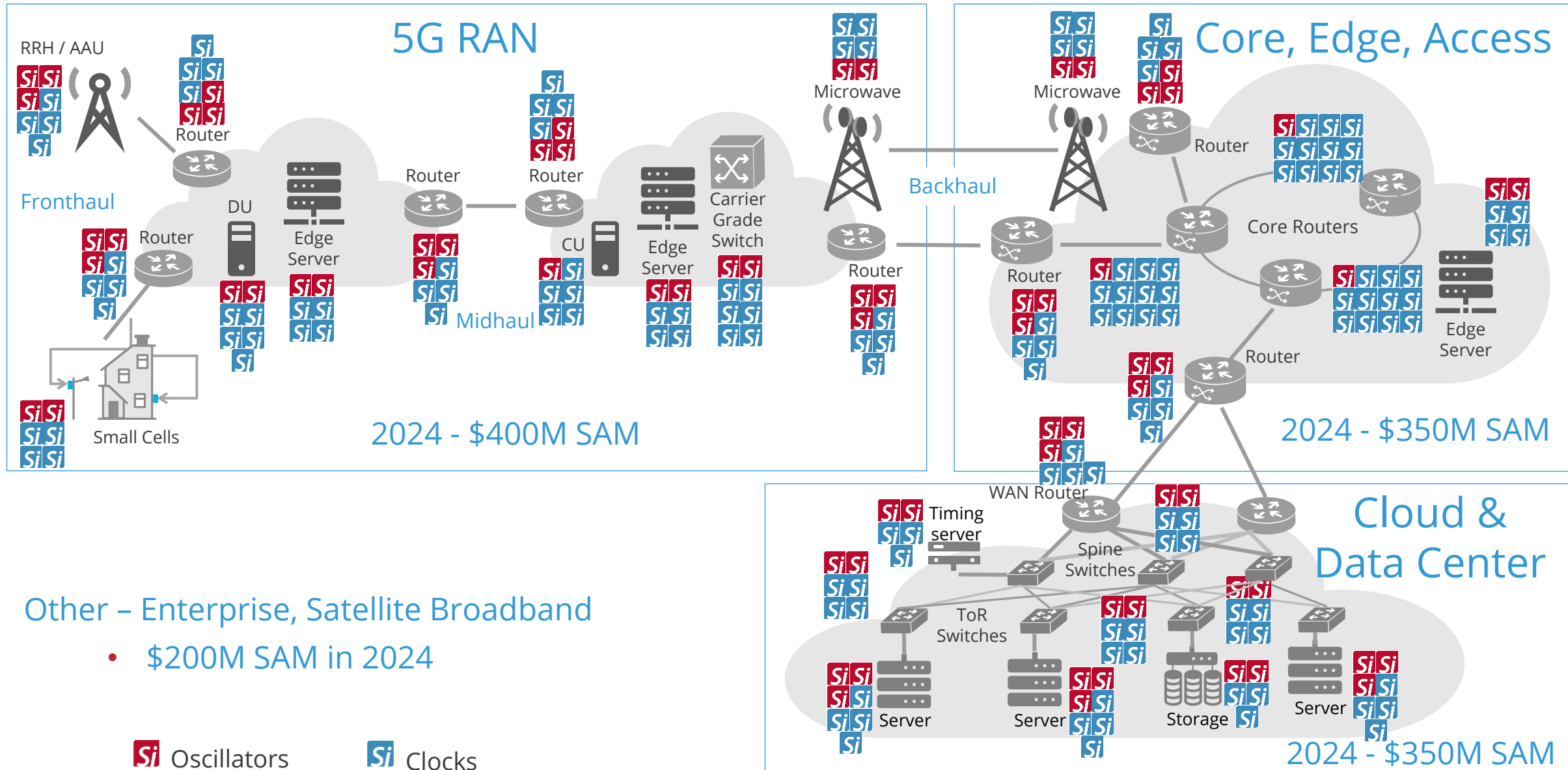


SERVER

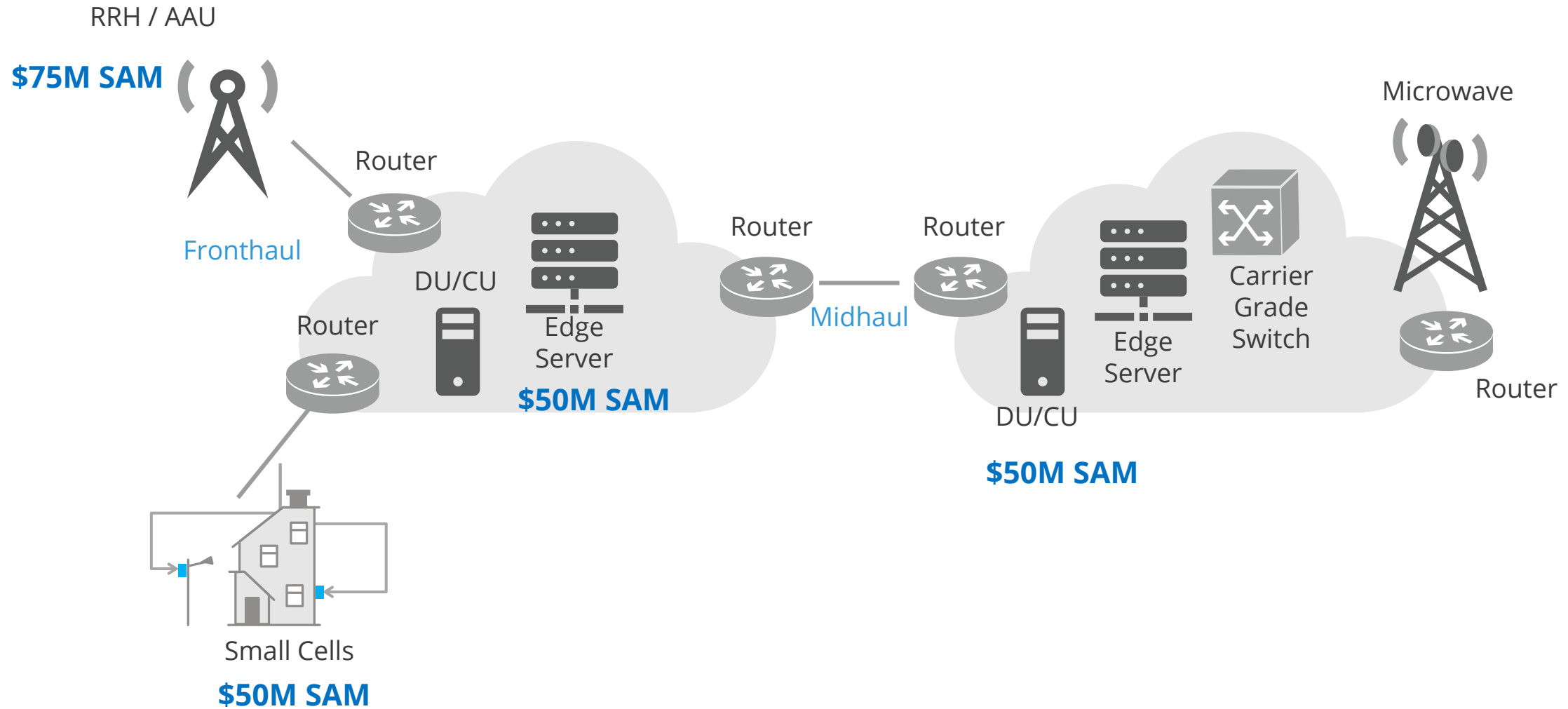


INTERCONNECTS

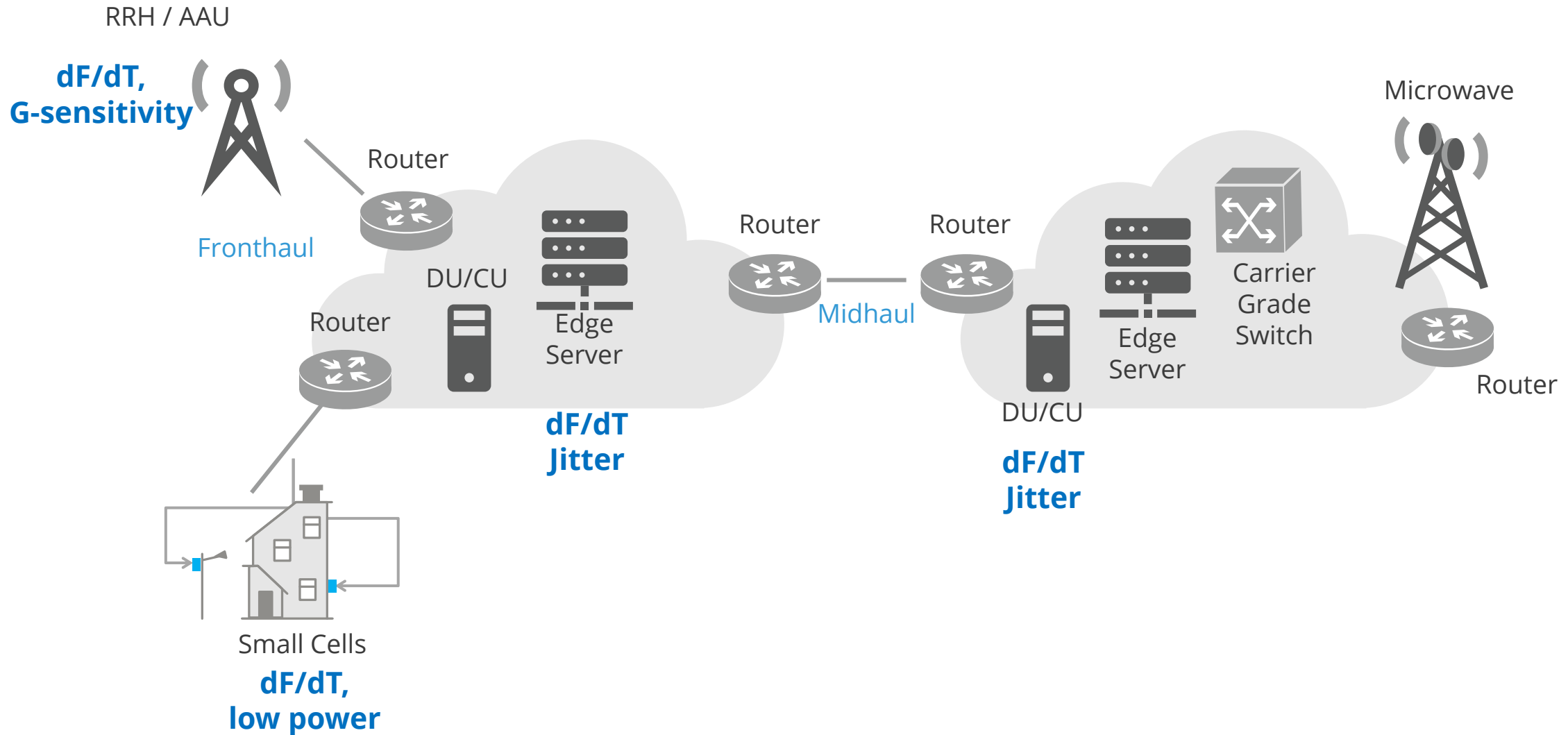
Comms – \$1.3B SAM in 2024



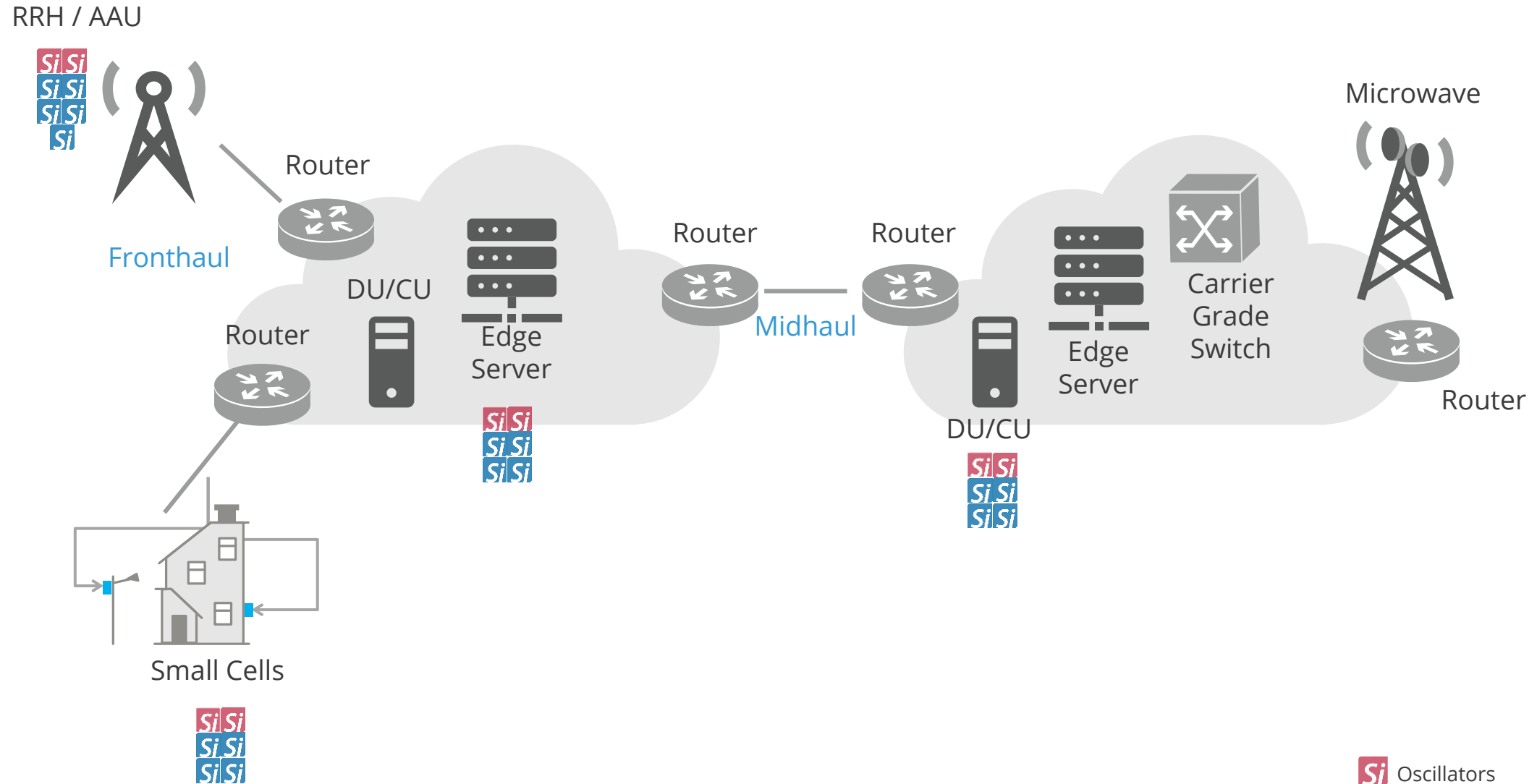
5G RAN – \$400M SAM in 2024



5G RAN – SiTime Winning Values



5G RAN – 47 Available Sockets, 4-7 Year Life



Winning in Automotive, Industrial and Aerospace

Drivers

- Automotive – 1,000x increase in data volume ⁽¹⁾
- Industry 4.0 – connectivity, sensing
- Aerospace – 8x increase in number of satellites ⁽²⁾

Winning Benefits

- High shock and vibration survivability
- High reliability
- Programmable architecture

1. Automotive Edge Computing Consortium estimate in 2020.
2. "Large LEO Satellite Constellations: Will It Be Different This Time?", McKinsey 2020.
Assumes growth from ~6K today to 50K in 10 years.



ADAS COMPUTER



AUTOMOTIVE CAMERAS



INDUSTRIAL MACHINERY



DRONES

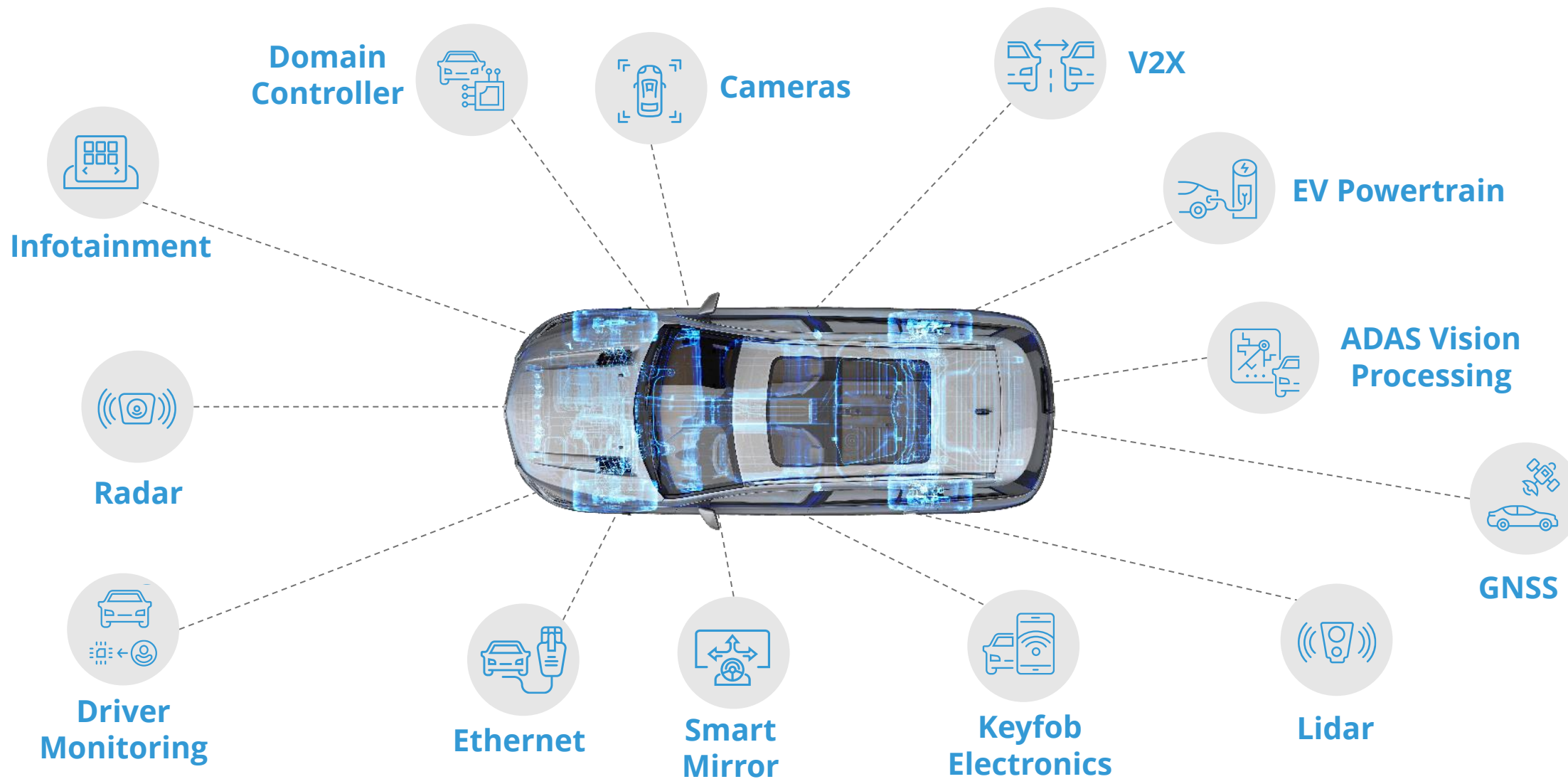


MEDICAL ELECTRONICS



SOLAR INVERTERS

Automotive – Win with Reliability and Performance



Winning in Mobile, IoT and Consumer

Drivers

- Billions of internet-connected devices
- Increasing functionality
- Smaller size

Winning Benefits

- Ultra-small size
- Long battery life
- Fabless semi process & supply chain



SMARTPHONE



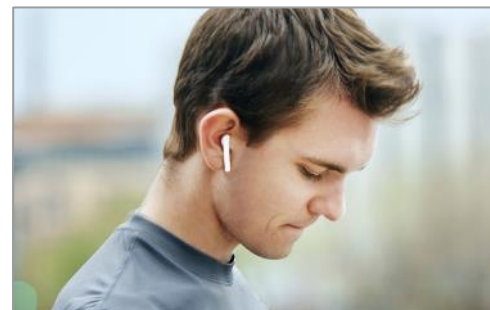
SMART WATCH



STYLUS & TABLETS



METaverse



HEADPHONES



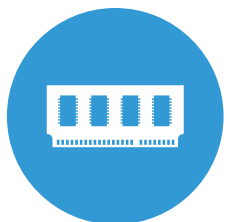
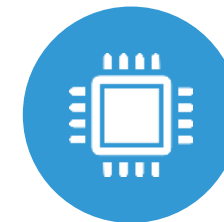
PERSONAL HEALTH TRACKER

The SiTime Heartbeat keeps getting Stronger!

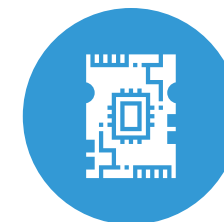
Connectivity



Processor



Memory



SoC, ASICs, FPGAs

