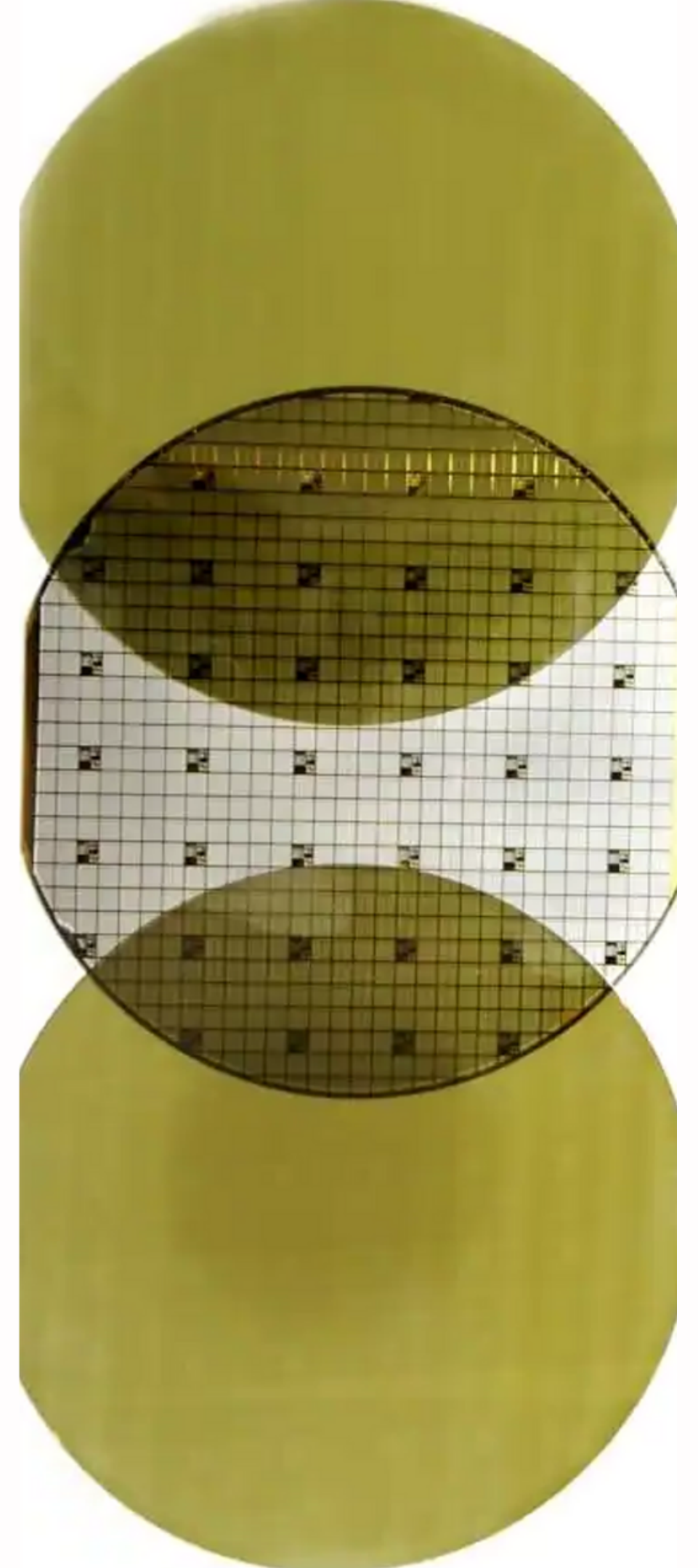
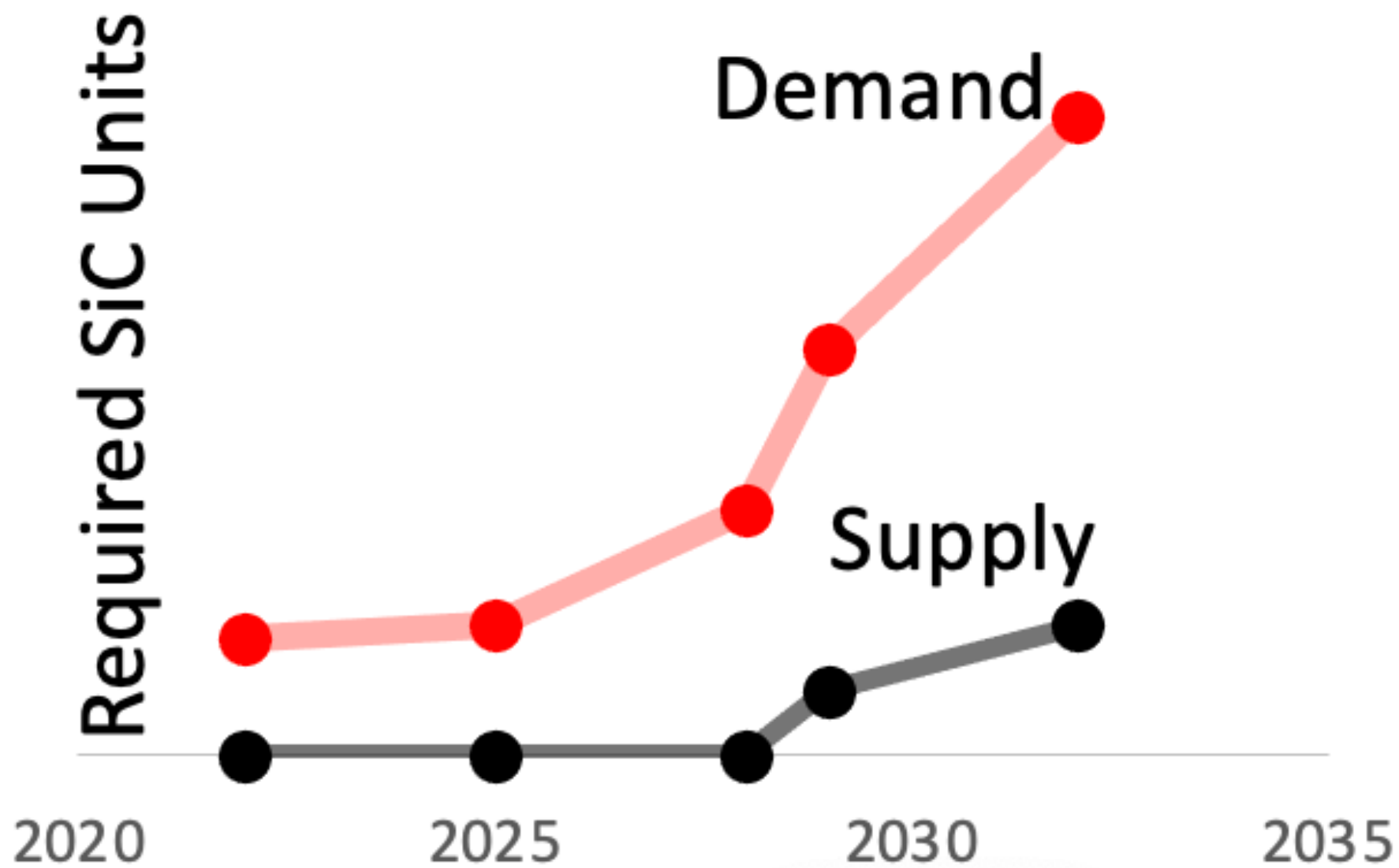


FURNAQUANTUM SiC INNOVATIONS

Quantum Phonon Aggregation Furnace To Develop an efficient, defect-free SiC wafers for EV power electronics.



SUPPLY CAN'T MEET DEMAND

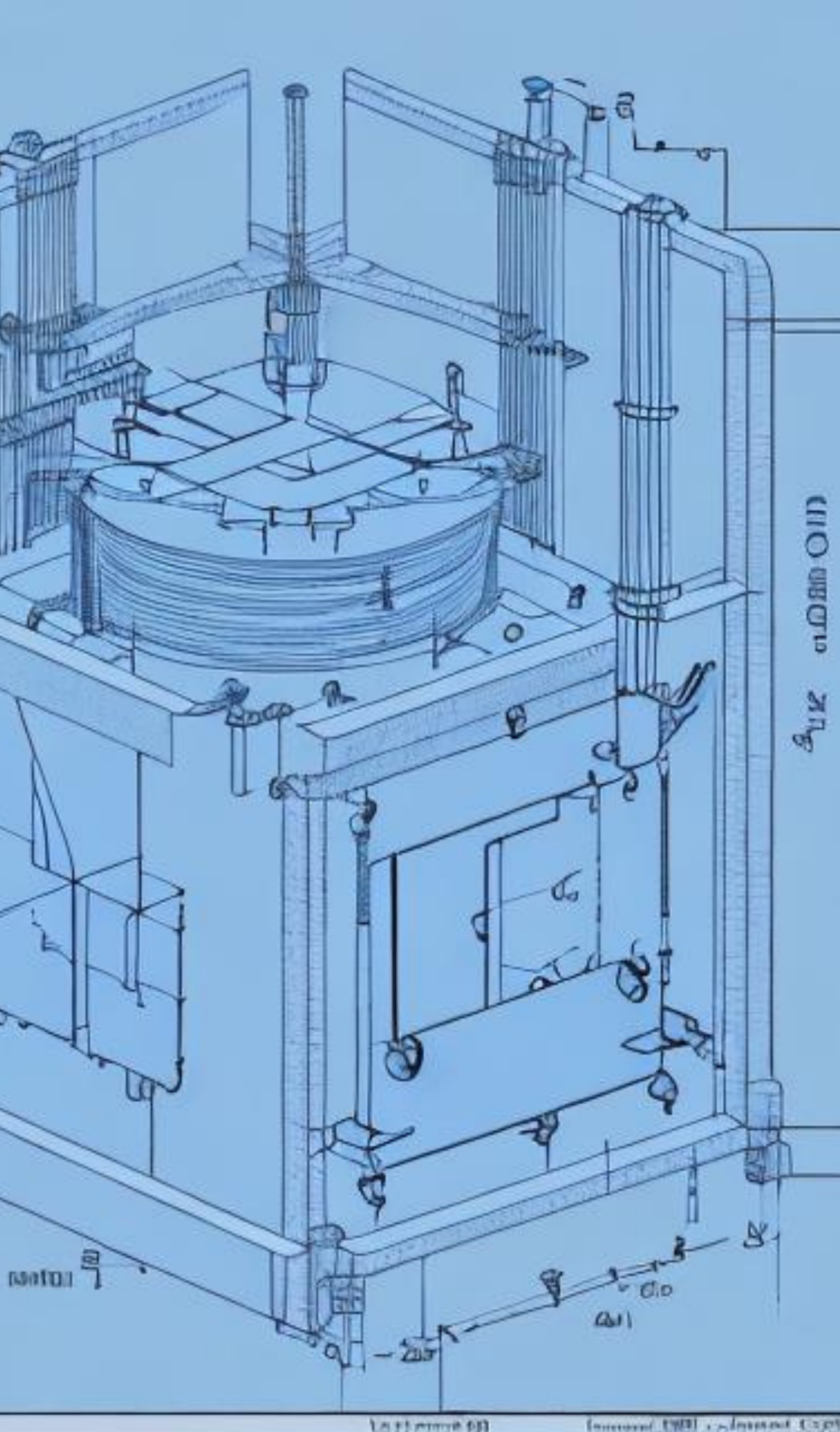


01

EV market drives SiC demand; supply chain lacks suppliers.

02

More SiC suppliers needed for expanding EV industry.



Accelerating SiC Production: Quantum Phonon Aggregation for Competitive Edge

--Enhanced Efficiency and Quality--

Accelerate Production: Cut SiC ingot production time by half.

Boost Suppliers, Gain Market Advantage: Enhanced Efficiency, Defect-Free Wafers

Universal Solution: Essential for every player in the market.

Business Model + Go-to Market Plan

01 Direct Furnace Sales

> \$750k/furnace

Easy to receive 100-200 orders per year

Expansion

Production Expansion: Establishing production line for 6-inch and 8-inch wafers.

Industrial Validation:

Seeking industry validation for our technology.
(Projected within 18 months)

02 Ingot Sales

> \$62 M
(Expected Revenue)

Stable Growth

Targeting over 50 furnaces in the first year.

- Approx. \$30k receive per ingot every 7-8 days per furnace
- Projected within 24 months

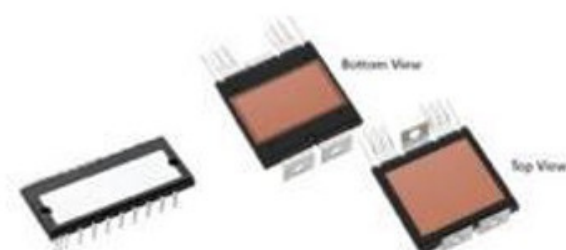
Coopetition

SiC Substrate Demand Surges, Fueling Investments and Collaboration; Plus, the **Universal Need for Better Furnaces.**

Power Semi. Supplier Market Share (2022)

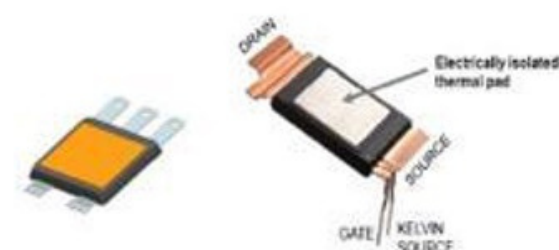
Global Power Semi. Sales \cong \$24.6B (2022)

Power Semiconductor Supplier (BJT, FET, IGBT, SiC, GaN, Module)	Market Share (Percentage)
	19.8%
	8.5%
	6.1%
	5.7%
	4.9%
	4.8%
	3.6%
	2.9%
	2.7%



Global Power IGBT Sales \cong \$8.1B (2022)

IGBT Power Solution Provider (Device, Discrete, and Module)	Market Share (Percentage)
	29.3%
	16.8%
	12.7%
	6.6%
	5.7%
	3.9%



Global Power SiC Sales \cong \$1.5B (2022)

SiC Power Solution Provider (Device, Discrete, and Module)	Market Share (Percentage)
	39.7%
	21.7%
	14.2%
	10.1%
	7.5%
	2.8%

Source: Omdia, Strategic Analytics (TechInsights), IC Insights, Yole, APEC 2022, PCIM 2022, Public Company Reports

Apr 2023
Bosch acquired
TSI Semiconductor
for \$1.5B

Nov-2021
Onsemi acquired GTAT
for \$441M

Nov-2021
Qorvo acquired
United Silicon Carbide


Dec-2019
ST Microelectronics
acquired
Norstel AB for \$145M

Fund Raising



Seeking

\$2 Million

01 

COMPLETED:

Invention & Patent
Lab scale prototype, material
development, & testing
Manufacturing readiness

02

Small Scale Plot Line:

- 5 furnace: 4 for 6", 1 for 8"
- Large scale prototypes & customer traction (6" and 8" focus)
- Large scale component modeling & testing

03

Independent third party
testing (Duration 18 Month)

THANK YOU



Quantum Phonon Aggregation

Accelerate SiC Production: Efficiency, Quality, and Market Advantage for Everyone