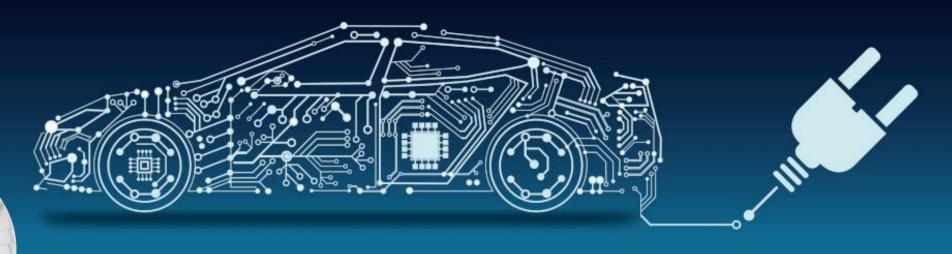
Stifel expert call on SiC

"The case of a graphite supplier"

October 5th, 2023







Mersen: who we are?

A global player at the heart of technologies who drives the industry forward and shapes a more sustainable society

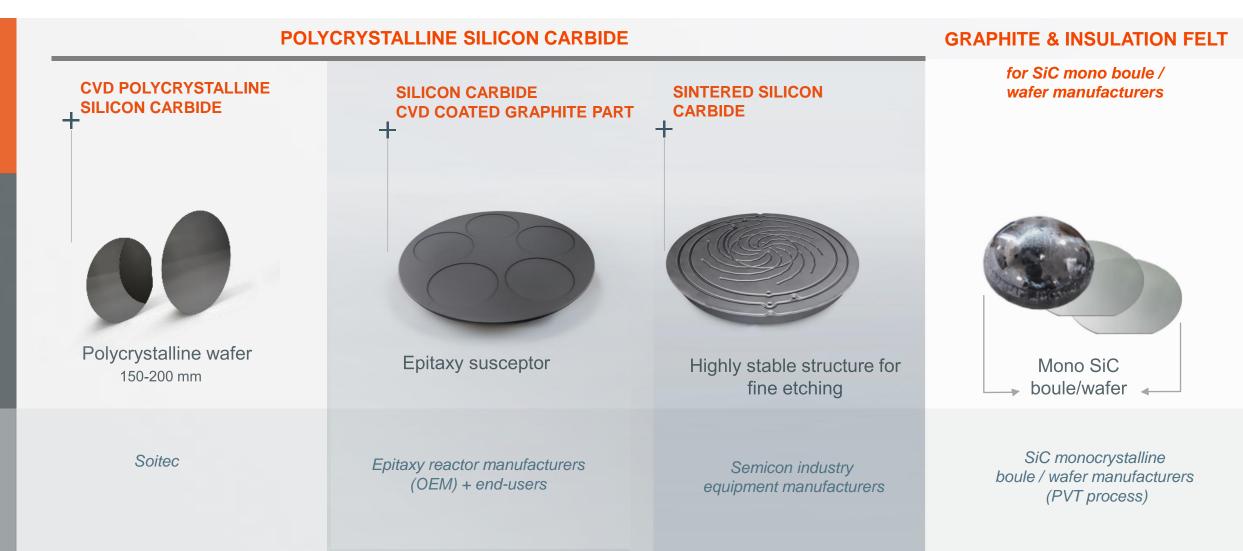
2 expertises with leading positions

Advanced Materials
(56% of sales):
High value-added
customized solutions
(graphite)

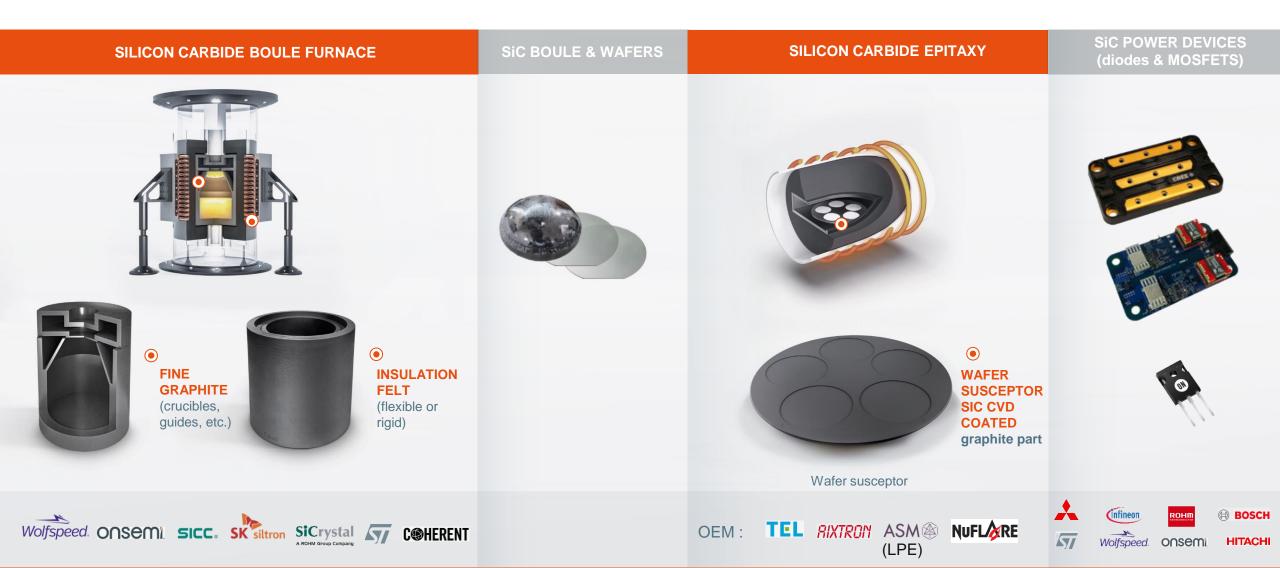
Electrical Power
(44% of sales):
A unique product portfolio
serving electrical protection
and power conversion
(fuses)

€1.1bn sales in 2022

Mersen's materials expertise for the SiC semicon industry



Mersen's unique position in the complex manufacturing process for SiC - PVT process



A clear sign of Mersen's major role in the semicon SiC market: the contract with Wolfspeed





Leader in SiC technologies, and a longstanding partner of Mersen



Major investments in progress (USA, Germany)



Agreements with EV players: BorgWarner, ZF, Mercedes Benz, Jaguar Land Rover, etc.

Sales potential over 5 years

USD400m

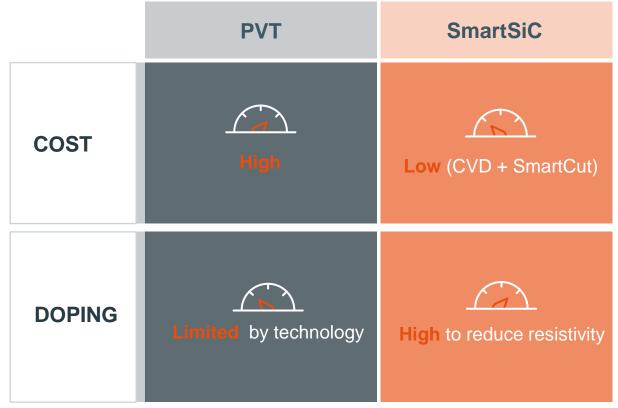
Capital expenditure (2023-2025)

USD120m

200 jobs mainly in the United States

Soitec SmartSiCTM: another technology serving the SiC power semiconductor market





6

Why is Mersen critical to the semiconductor industry?

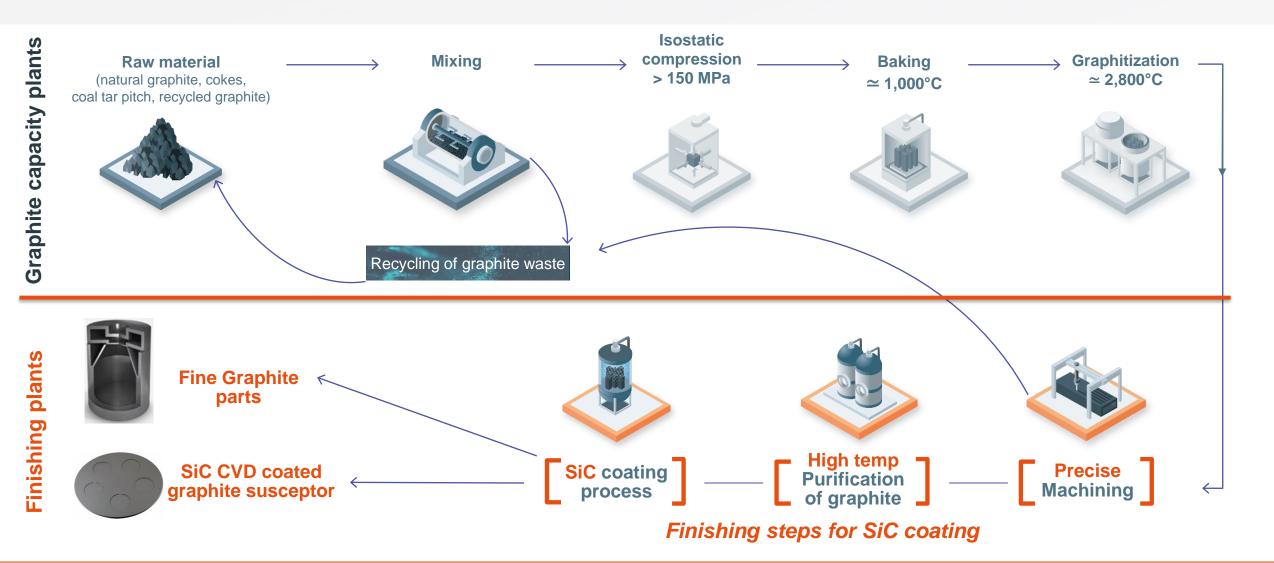
MATERIALS EXPERTISE

- Ultra-fine Graphite grades for intricate and precise design
- SiC coated Graphite epitaxy susceptor to avoid pollution of the process and extend lifetime
- p-SiC wafer for Soitec process to generate a lot of savings and better efficiency of the device
- Sintered SiC parts to enable fine etching in lithography

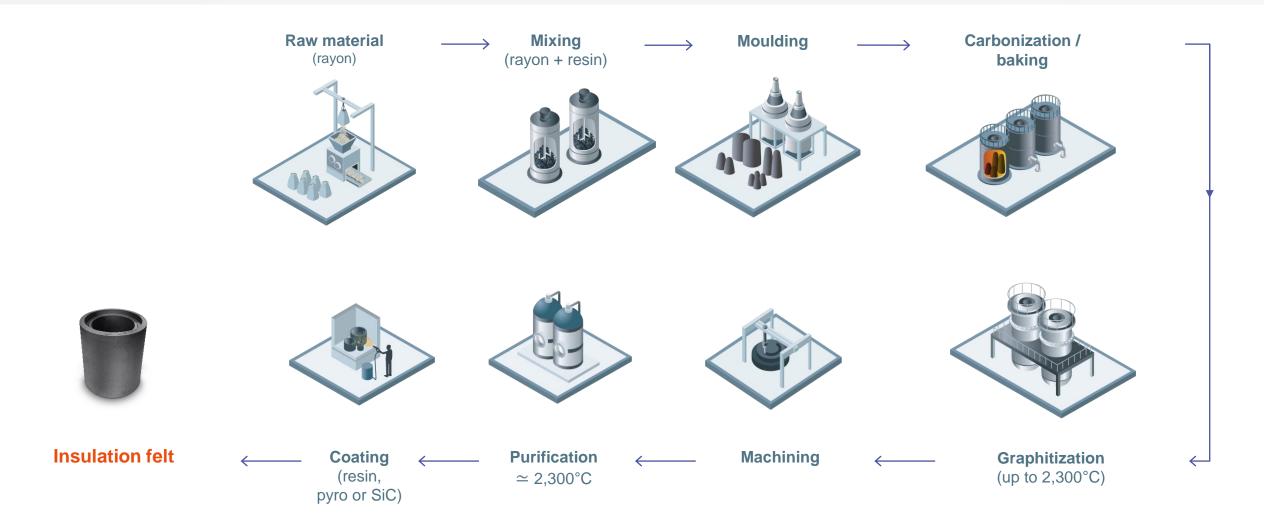
PRODUCTION CAPABILITIES

- Unique capacity expansion plan (+4000t in iso graphite) mandatory as graphite parts and insulation are consumable
- Machining, purification process centers
- Worldwide Ability to supply to customers where they are located
- Graphite grades and insulation felts dedicated to PVT SiC process

Iso-graphite manufacturing process: high barriers to entry



Insulation felt: a complementary material to graphite



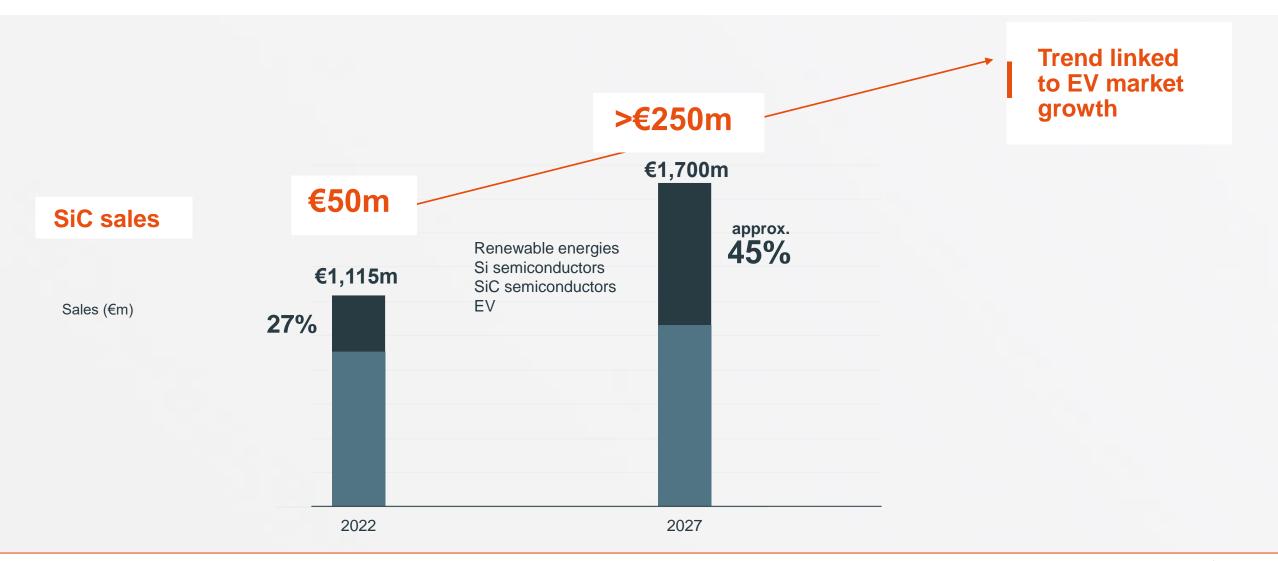
A unique global production capabilities to serve the semiconductor market



An investment plan to increase capacity and thus match demand in the SiC semicon market



SiC market: a significant contribution to our 2027 plan

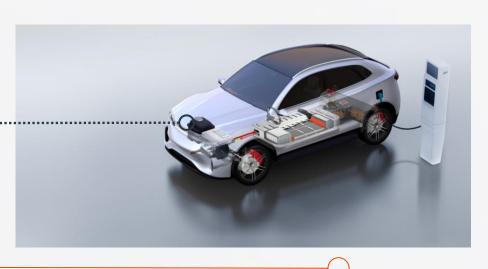


Mersen's expertise covers the EV market, both upstream and downstream ...

MATERIALS EXPERTISE







SiC wafers

SiC power semiconductors

Electric vehicles

ELECTRICAL EXPERTISE

€200m-contract over 7 years for busbars on batteries (ACC)



Large range of dedicated EV fuses

