

Mersen in a nutshell

- A sustainable, growing and profitable company (€850m sales in 2020)
- An industrial company with a human scale (6,500 employees around the world)
 - An energy to innovate for 130 years (16 R&D centers)
 - A company attentive to meet and anticipate customer demands for their mission-critical needs (presence in 35 countries)
 - A business respectful of ethics and environment. (56% of sales in sustainable development markets)

What makes Mersen unique?

Expertise

Advanced Materials

Electrical Power

Efficient innovation

Competitive differentiation

High barriers of entry (graphite formulation, norms and regulations)

Customized products (>65%)

Global footprint

Positioned on attractive markets

Sustainable
development
markets (Renewable
energies, Electronics and
green Transportation)

Highly buoyant markets:
SiC semicon, EV

Excellence to drive cash-flow

Solid balance sheet and cash generation

High gross margin

Lean culture deployment

CSR commitments for overall improvement

#1 or 2 on each activity with c. 15-30% market share



Advanced Materials: High value-added customized solutions relying on a unique materials expertise

Anticorrosion Equipment N° 1-2 Worldwide





Engineering systems

Columns, reactors and pressure vessels





Heat exchangers

Graphite Specialties *N° 1-2 Worldwide*





Laser galvo scanning mirrors in Sintered SiC



Ultra pure graphite electrodes for polysilicon production

Wafers carrier in ultra pure graphite for Semicon



Carbon insulation for high temperature furnaces

Power Transfer Technologies N° 1-2 Worldwide





Slip-rings

Brushes and brush holders







Lubricating sticks & applicators for wheel/rail contact

SGL Carbon (Ger)

SGL Carbon (Ger), Tokai Carbon (Jp), Toyo Tanso (Jp), Schunk (Ger)

Morgan Advanced Materials (UK), Schunk (Ger)

Competitors

Electrical Power: A unique portfolio serving two key applications











Fuses and fuse holders

Surge protection devices

Coverage of all standards worldwide: UL, IEC, DIN, etc.

<u>Competitors</u>: Eaton(US), Littelfuse (US)

Power Conversion
N° 2 Worldwide (components)



Fuses for semiconductors



Busbars



Cooling devices



Capacitors

Only customized offering of bundled passive components on the market

<u>Competitors</u>: Eaton (US), Rogers (US), Methode (US), Lytron (US), Cornell Dubilier (US), Panasonic (Jp)

A global footprint to maximize customer intimacy



A longstanding CSR strategy, ...



Focus on H&S and Human Capital

Strong governance

2010

Set-up of a global CSR reporting

Formalization of longstanding practices

ESG governance improvements

2018

Improved Group's governance

CSR Materiality matrix

CSR roadmap and mid-term targets

2021

Intensity of GHG emission reduction target,

and more to come

... demonstrated by recognized commitments









ISS QualityScore

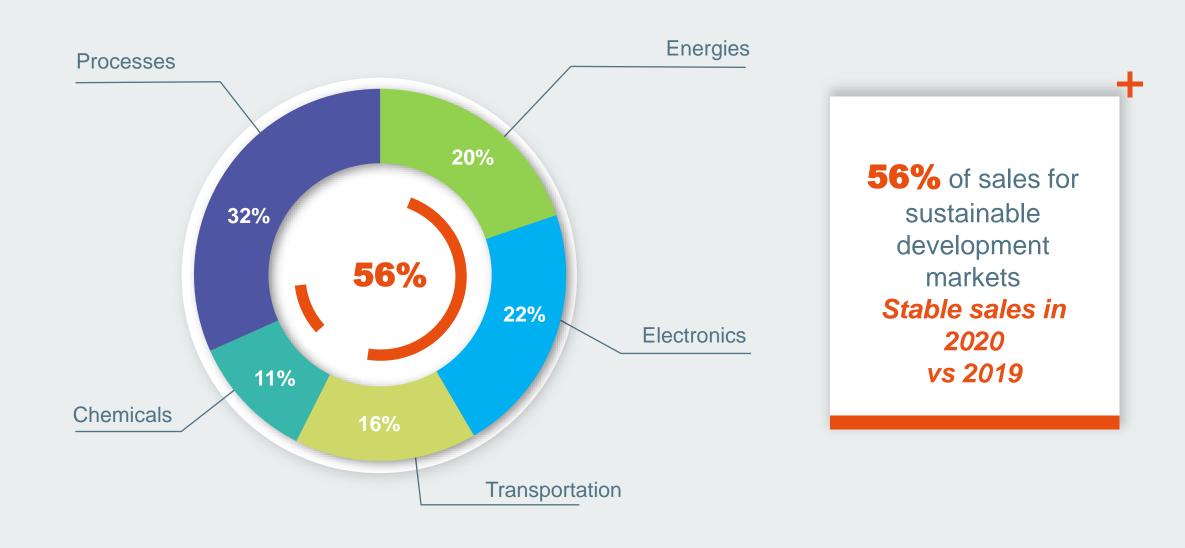


Lower Governance Risk = 1 Higher Governance Risk = 1 Higher E&S Disclosure = 1 Lower E&S Disclosure = 10





Positioned on buoyant sustainable development markets



... offering growth opportunities in the short and medium-term

		2020	2021	2022-2023 trend
Energy	+ Solar power	22	77	2 2
	+ Wind power	•	(-)	(-) (7)
	Conventional energy	2	(-)	(2)
Electronics	+ Manufacture of SiC semi-conductors	•	22	22
	+ Manufacture of Si semi-conductors	2	\rightarrow \nearrow	2
	+ Power electronics	2	(-) (7)	2
Transportation	+ Rail	2	(-)	7
	Aeronautics	3 5 5 5	22	(-)
	+ Electric vehicles	(-)	\Rightarrow	22
Chemicals	Corrosive chemicals	20	•	(-)
Processes	Process industries	888	3 ? 3 3	7

2022 2022

Solar: significant potential for Mersen by focusing on premium offer



Expected market growth of 15% per year on average

Developing technology:
Increase in size of cells
(from 152 mm to 210 mm)

Mersen's positioning on a comprehensive **premium offer**

Isostatic graphite, insulation, C/C composite Electrical protection for high-power industrial facilities

Sources: IHS, Solar Power Europe October 2020

Mersen's expertise applied to premium solar power

ADVANCED MATERIALS SEGMENT



Graphite anticorrosion systems for HCl synthesis



CVD reactors



Graphite electrodes

Polysilicon manufacturing

Monocrystalline silicon ingot manufacturing

1,400°C CZ processes

75% of business









ELECTRICAL POWER SEGMENT



Solar panel protection



Energy storage and conversion

25% of business



Schneider Electric

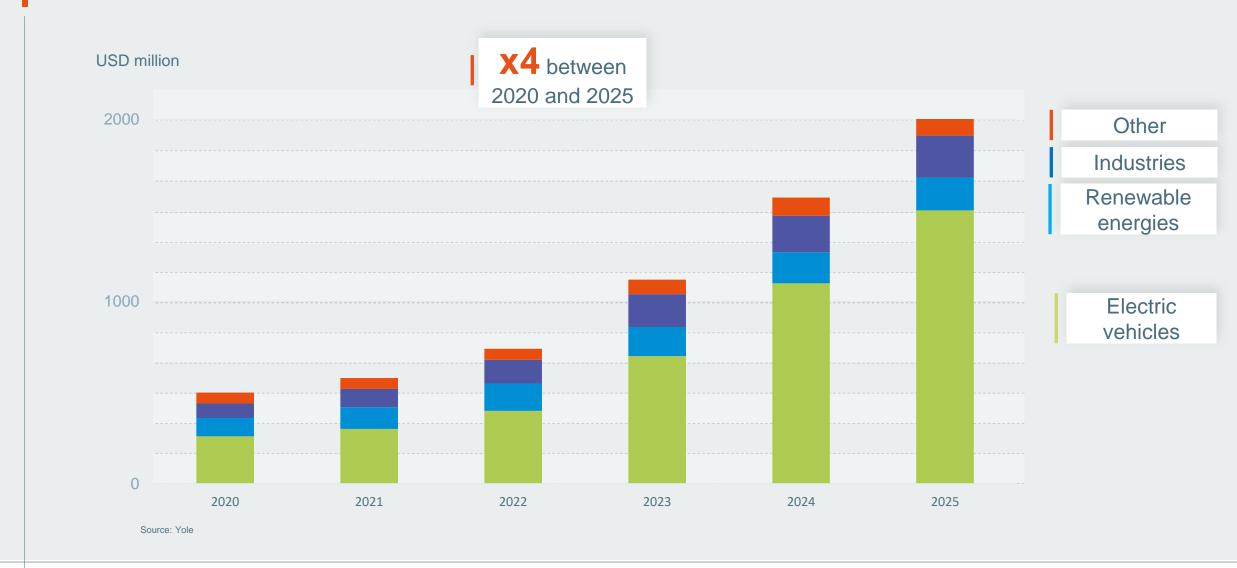


TMEIC





Growth of the SiC semiconductors market is set to accelerate in line with EV market growth



Mersen's expertise in SiC semiconductors

ADVANCED MATERIALS SEGMENT ELECTRICAL POWER SEGMENT End markets GRAPHITE, **GRAPHITE COMPONENTS FOR INSULATION FOR** WAFER **INVERTERS FURNACES CARRIER** Diode, transistor Crystal growth **Epitaxy** Ion implantation Inverter Power module **Annealing** Rockwell Automation **ALSTOM** <u>SEMIKRON</u> Wolfspeed. CREE ÷ **(**infineon (infineon BOSCH TMEIC ARR SiCrystalac Wolfspeed. Danfoss **SIEMENS**

Graphite and insulation determine the quality of silicon carbide wafers and therefore the cost of semiconductors



Unique position in the sophisticated and intricate SiC manufacturing process



Key products for ingot quality

(and therefore process efficiency):

- Purity of graphite
- Insulation properties



High-performance industrial system in which we continue to invest

- Investments in Europe from 2019 to 2021: €12m
- Investments in Americas (Americarb + Columbia): €6m



Expertise through long-standing ties with pioneers in the industry for over 20 years

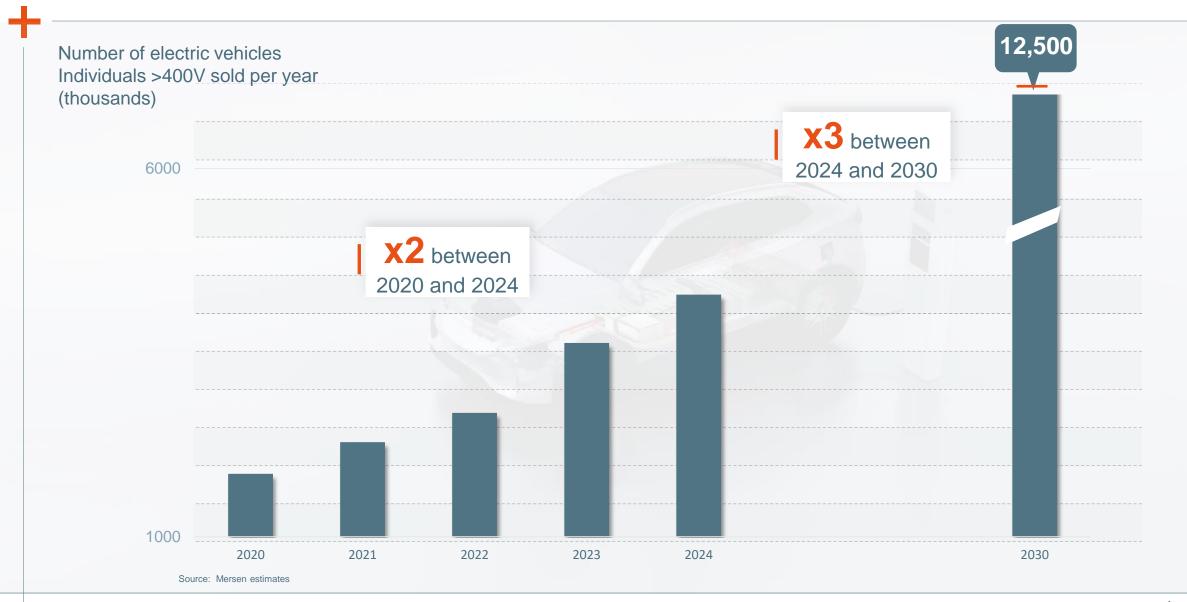




Present across all geographies, close to industry players

- Long-standing leaders
- New entrants (China, 5G)
- Startups, universities, etc.

Electric vehicles: Market growth is accelerating



+

Mersen's offering for EV/HEV applications



Mersen is successfully adapting to this new market and these new customers



- Traditional car manufacturers
- New entrants
- Tier-one suppliers for manufacturers
- Battery manufacturers



FIRST CONTRACT WON

- Marquardt
- Contract over the duration of the platform (5 to 7 years)
- Production launch: 2022



TECHNICAL INNOVATION

- Joint collaboration with Autoliv on Hybrid fuse
- Target: EV>800V



GLOBAL PRESENCE

- Eventually, 3 dedicated plants in 3 key regions
- Dedicated teams
- Certified sites

MID-TERM ANNUAL SALES €40-70M

Columbia, additional capacity to serve our growth markets

2022 and beyond 2021 2019 2020 **Insulation** for solar Return of facilities First batch **Transfer and Startup** and semiconductor GRI insulation line (Americarb) extruded graphite to working order markets, heat processing WELCOME TO **Production launch** MERSEN Extruded graphite **Extruded graphite** (internal sales) for process industries Potential additional capacity for isostatic **June 28,** July graphite 2019 2020 (semiconductors, solar, process **Acquisition Americarb** Closing industries) Insulation Cash-out Cash-out USD 7m USD 6m €5m €15m-€20m €5m-€10m (2022) €15m

CAPEX

Continued industrial optimization



HEALTH AND SAFETY: THE PRIORITY

- Accident frequency rate:
 1.54 (medium-term target <1.4)
- Severity rate: 64 (medium-term target <60)



OPTIMIZATION OF INDUSTRIAL SITES

- Enhanced manufacturing efficiency on Europe's electric fuse market (Fusetech)
- Modernization of two plants in China (fuses, graphite for semiconductor market)
- Large digital projects and MES (Manufacturing Execution System)



REDUCED ENVIRONMENTAL FOOTPRINT

- Target to reduce GHG emissions intensity by 20% by 2025
- Increase in waste recycling rate (60% in 2020 vs 46% in 2018)

