Global expert in electrical power and advanced materials, Mersen partners companies around the world that drive today’s industry and shape tomorrow’s society. A committed partner and core technology provider.

- €950m in consolidated revenues in 2019
- 6,800 employees
- Present in 35 countries
At Mersen, our goal is to help you meet the technological challenges that drive you forward and that shape our world. Whatever the sector and whatever the stakes, we draw on a broad range of products and services to help you define and design custom-fit solutions and processes. Day after day, we deliver world-renowned expertise in electrical power and advanced materials to industry groups looking to develop their activity and meet tomorrow’s technological challenges.”
ADVANCED MATERIALS

No.1 worldwide in brushes and brush-holders for industrial electric motors

No.2 worldwide in high-temperature isostatic graphite applications

No.2 worldwide in graphite-based anti-corrosion equipment

ELECTRICAL POWER

No.1 worldwide in the supply of passive and hybrid devices for power electronics and battery systems

No.2 worldwide in industrial fuses

No.2 worldwide in current collector devices for rail
Mersen’s two specialist business segments deliver expert solutions with the same exacting standards and focus for a range of different sectors including wind and solar power, electronics and fiber optics, rail, aerospace and aeronautics transportation, corrosive chemicals, process industries and more. We work hand-in-hand with industry manufacturers and operators to make tomorrow’s solutions more efficient and more reliable. Wherever technologies are advancing and innovating, you’ll find a little bit of Mersen.
200+ experts

16 R&D centers around the world

>50% of activity dedicated to sustainable development markets
Pushing boundaries is second nature at Mersen. For more than a century, we have provided industry players the world over with innovation to **improve their product performance and services**. Innovation that meets the constraints of technological change as companies move further and faster. Whether you need to cut costs, streamline your efficiency and the useful lives of your consumables, or even respond to changing consumer habits and preferences and the boom in the green economy, Mersen has a full spectrum of innovation in the service of industrial performance.
Proximity

Present in 35 countries

>50 industrial sites
Creating value for our clients means understanding their needs, their challenges and their constraints. It also means understanding their environments, both geographical and competitive. With more than 50 industrial sites in 35 countries, Mersen works side-by-side with its clients at the heart of its markets, developing strong ties to offer made-to-measure, high value-added solutions at every level. A relationship of trust in transforming challenge to opportunity.
A comprehensive offer

GRAPHITE SPECIALTIES

ANTI-CORROSION EQUIPMENT

POWER TRANSFER TECHNOLOGIES

ELECTRICAL PROTECTION & CONTROL

SOLUTIONS FOR POWER MANAGEMENT
- Unique expertise in high-performance materials and solutions for high-temperature and extreme environment production or operation
- Graphite, carbon/carbon composite, carbon insulation, flexible graphite and silicon carbide (SiC) solutions for process industries, aerospace, solar PV and electronics.

**GRAPHITE SPECIALTIES**

**NO. 2 WORLDWIDE IN HIGH-TEMPERATURE ISOSTATIC GRAPHITE APPLICATIONS**

### ISOSTATIC AND EXTRUDED GRAPHITE

- Complementary brands: Ellor®, Cerberite®
  - Graphite electrode for electrical discharge machining
  - Die for continuous casting of copper alloy, precious metals and cast iron
  - Support for hot-glass handling
  - Wafer holder for substrates in semiconductor manufacturing
  - Polysilicon manufacturing electrodes

### RIGID AND FLEXIBLE CARBON INSULATION

- Complementary brand: Calcarb®
  - Long Fibre and Short Fibre insulation boards for industrial furnaces
  - Soft-felt insulation for polysilicon furnaces
  - Hybrid rigid/soft-felt cylinder-form insulation for heightened performance
  - PAN soft-felt permeable electrodes for energy storage
  - Rigid CBCF insulation for high-temperature sintering furnaces

### CARBON/CARBON COMPOSITE

- Complementary brand: Aerolor®
  - Brake disk for aircraft
  - Component support for high-temperature furnaces
  - Accessories

### SSIC SINTERED SIC

- Complementary brands: Boostec®, optosic®
  - Structural component for space and ground telescopes
  - Mirror for space and ground telescopes
  - Plate for continuous flow chemical reactors
  - Mirror and laser scanner for industrial applications

### FLEXIBLE GRAPHITE

- Complementary brand: Papyex®
  - High-performance static graphite seals
  - Thermal protection and insulation
  - Dynamic graphite seals
ANTI-CORROSION EQUIPMENT

Design and manufacture process equipment in materials resistant to corrosion: graphite, silicon carbide, reactive metals (tantalum, zirconium, titanium, nickel alloys) and fluoropolymers, for the chemicals industries

NO. 2 WORLDWIDE IN GRAPHITE-BASED ANTI-CORROSION EQUIPMENT

ENGINEERING SYSTEMS

• HCl production
• HBr production
• Dilution and concentration of acids
• Other systems

HEAT EXCHANGERS
Graphite and silicon carbide

Complementary brands
GAB Neumann, Graphilor®, Polybloc®

HEAT EXCHANGERS
Reactive metals

• Shell and tubes
• Annular groove
• Polybloc®
• Cubic
• Plate and frame

COLUMNs, REACTORS AND PRESSURE VESSELS

Complementary brand
CL-Clad®

PIPING, BELLOWS AND BURSTING DISCS

Complementary brands
Armylor®, Graphilor®
POWER TRANSFER TECHNOLOGIES

- Technical solutions for motor applications and generators
- Customized solutions and dedicated enhancement and reengineering services
- On-site expert assessments
- Motor maintenance services
- R&D expertise

NO. 1 WORLDWIDE IN BRUSHES AND BRUSH-HOLDERS FOR INDUSTRIAL ELECTRIC MOTORS

BRUSHES AND BRUSH-HOLDERS

For wind turbines
For motors and generators
For civil & military aircrafts
For traction motors
Plug sets for thermal power plants

BRUSH ROCKERS & SLIP RING ASSEMBLIES

For motors and generators
For asynchronous motors
For hydro power generators
For hoisting

CURRENT COLLECTORS

Contact strips
3rd rail Current collector device shoes
Sliding contacts

COMPLETE SOLUTIONS

Pitch slip rings for wind application
MERSEN DustCollector
MERSEN Total Monitoring
Lubricating sticks & applicators for wheel/rail contact

MAINTENANCE

On site motor inspection
In situ refurbishment
• Training
• Tools & devices for maintenance
ELECTRICAL PROTECTION & CONTROL

- A full range of fuses and fusegear systems and devices
- Surge protection systems and devices

NO. 2 WORLDWIDE IN INDUSTRIAL FUSES

UL FUSES AND FUSEGEAR

Complementary brand: Ferraz Shawmut®

Bladed fuses
HSJ high-speed fuses
Medium voltage fuses
Medium voltage controllable fuses

IEC FUSES AND FUSEGEAR

Complementary brand: Ferraz Shawmut®

Helioprotection® gPV fuses
Low voltage fuse systems
Low voltage AC and DC switches
DIN and French standard high voltage fuses

SURGE PROTECTION DEVICES

Complementary brand: Cirprotec®

Power Line SPDs – NEMA UL/CSA
Power Line SPDs – DIN Rail IEC/UL/CSA, PV
LED Lighting SPDs
Surge Protection Components

POWER TRANSFER FOR RAIL VEHICLES

Earth return current unit
3rd rail current collector device
Fuse box
On-board switch
SOLUTIONS FOR POWER MANAGEMENT

Passive and hybrid components for high-performance power conversion and batteries systems’ improved safety and reliability

NO. 1 WORLDWIDE IN THE SUPPLY OF PASSIVE AND HYBRID DEVICES FOR POWER ELECTRONICS AND BATTERY SYSTEMS

OVERCURRENT PROTECTION FOR SEMICONDUCTORS AND BATTERIES: HIGH-SPEED FUSES & HYBRID SYSTEMS

Complementary brand Ferraz Shawmut®

Standard and high performance power converter protection

Traction and railway converter protection

E-mobility protection

Hybrid DC protective devices

COOLING SOLUTIONS FOR POWER ELECTRONICS

Air heat-sink

Embedded heat-pipe air heat-sink

Liquid cold plate

Heat-pipe cold wall

BUSBARS

Laminated busbar for high-voltage inverters

Laminated busbar for high-frequency drives

Smart monitoring busbar for battery packs

Backplane power distribution laminated busbar

CAPACITORS

Complementary brand FTCAP®

Electrolytic capacitors

Film capacitors

Customized capacitors, for ex. capacitor bank on laminated busbar
Mersen has chosen to make its activity part of an ambitious responsible development approach, shared by all employees. This culture is based on its values and fundamentals in terms of human resources, health and safety and ethics.
For more than 120 years, the Group has gradually transformed itself into a world expert in two major fields: advanced materials and electrical power.

This transformation was achieved through mergers and acquisitions that enabled Mersen to strengthen its expertise and geographic positioning.
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