

C. Energy

C.1 RENEWABLE AND CONVENTIONAL ENERGIES

ENERGY

Mersen actively supports the development of alternative energies and contributes to optimizing conventional power sources. Our solutions enable to improve energy efficiency and maximize durability of consumables while guaranteeing safe and easy maintenance of installations.

We cover the entire **solar** cell manufacturing process and the electrical protection of solar panels.

We are a leading supplier to the **wind power** industry, for power conversion and distribution equipment, and safety and security solutions.

RENEWABLE ENERGIES

SOLAR

Mersen manages the entire photovoltaic value chain:

- Production of polysilicon and ingots: Iso-molded and extruded graphite, insulation equipment
- Protection of solar panels: overcurrent and surge protection
- Power management: fuses, cooling devices, laminated bus bars

WIND

Mersen supplies solutions for generator power distribution systems and yaw motors.

- Power generation: slip rings, carbon brushes
- Signal transfer: signal and power transfer systems, carbon brushes, brush holders
- Power distribution: fuses
- Power conversion: fuses, cooling devices, laminated bus bars

HYDROELECTRIC

Mersen offers a broad range of tailored services, and reliable electrical, mechanical and sealing solutions.

- Power generator: slip rings, carbon brushes, dust collectors
- Mechanical protection: seals, soft insulation
- Services: maintenance, training, tools

CONVENTIONAL ENERGY

Mersen is active in oil & gas, thermal, nuclear and mining industries and offers solution for power generation and conversion.

- Extraction: graphite, carbon brushes, brush holders

- Power generation: carbon brushes, slip rings
- Power conversion: fuses, cooling devices, laminated bus bars

ENERGY STORAGE AND TRANSPORT

HVDC: HIGH VOLTAGE DIRECT CURRENT TRANSMISSION SYSTEM

Mersen harnesses HVDC technology for power conversion.

- Power conversion: fuses, cooling devices, laminated bus bars

ENERGY STORAGE

Mersen offers a wide range of products and solutions covering all aspects of Electrical Energy Storage safety and power management:

- Over current protection: hybrid DC devices
- Thermal management: water- and air-cooled heat sinks
- Battery connection: laminated bus bar
- Electrical protection: surge protection devices



Solar



Wind



Hydro



Oil and gas



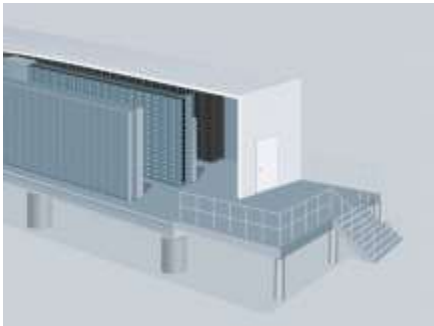
Thermal



Mining



HVDC



Energy storage