



CORE EXPERTISE
IN YOUR
TECHNOLOGIES



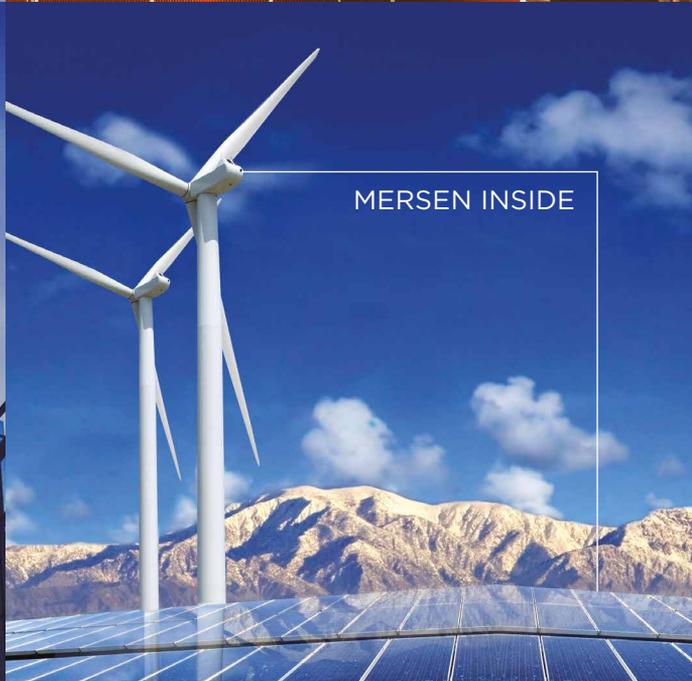
MERSEN INSIDE



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CORPORATE PROFILE

Global expert in electrical power and advanced materials, Mersen designs innovative solutions to address its clients' specific needs to enable them to optimize their manufacturing performance in sectors such as energy, electronics, transportation, chemicals & pharmaceuticals and process industries.

Our expertise is structured around two business segments in which we hold positions as leader or co-leader in the global marketplace.



LUC THEMELIN
CHIEF EXECUTIVE OFFICER

EXPERTS HELPING YOU TO EXCEL

With technology, it's not just how much expertise you possess but also whether you are using the right technology for the job and whether you are achieving excellence.

Today, Mersen has established a global reputation for its electrical power and advanced materials expertise and approach because we endeavor to design innovative solutions truly geared to your

day-to-day requirements—innovative solutions that make our customers' products and services even more compelling.

We work with the world's leading energy, electronics, transportation, chemicals, pharmaceuticals and process industry groups, and we help them to hone their performance in an increasingly competitive marketplace. To do this, it is essential for us to be in a position to deliver the best possible solution or process by building on the products and

services providing the best fit.

In our continuing quest for excellence, we put our technological expertise, constant innovation and close customer relationships to work on a daily basis. As a partner striving to enhance the performance of your production operations, we don't just know your area of business—

**WE PLAY A CENTRAL
ROLE IN YOUR
TECHNOLOGIES.**

THE ADVANCED MATERIALS SEGMENT

brings together three businesses related to carbon materials.

N°1

WORLDWIDE IN GRAPHITE-BASED ANTI-CORROSION EQUIPMENT

N°1

WORLDWIDE IN BRUSHES AND BRUSH-HOLDERS FOR INDUSTRIAL ELECTRIC MOTORS

N°2

WORLDWIDE IN HIGH-TEMPERATURE ISOSTATIC GRAPHITE APPLICATIONS

THE ELECTRICAL POWER SEGMENT

comprises two businesses that serve the electrical power markets – solutions for power management (mainly for power electronics) and electrical protection and control.

N°1

WORLDWIDE IN THE SUPPLY OF PASSIVE POWER ELECTRONICS COMPONENTS

N°2

WORLDWIDE IN INDUSTRIAL FUSES



PRESENT
IN

35
COUNTRIES

6,400

CUSTOMERS-FOCUSED
EMPLOYEES

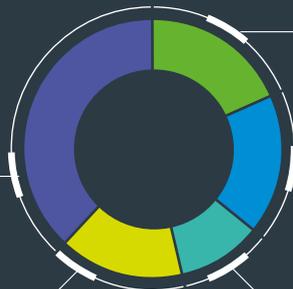
€772

MILLIONS IN
CONSOLIDATED
REVENUE IN 2015

SALES BY MARKET IN 2015

36 % PROCESS
INDUSTRIES

16 % TRANSPORTATION



ENERGY **19 %**

ELECTRONICS **18 %**

CHEMICALS &
PHARMACEUTICALS **11 %**

ENERGY

INNOVATING TO
BETTER MEET
DEMAND



Our solutions are founded on our crystal-clear grasp of the key issues and on a collaborative approach at all times. To deliver safe and competitive solutions, we optimize your performance while making your installations more reliable.

WIND POWER

As a benchmark industry supplier for both generator power distribution systems and yaw motors, Mersen offers a wide range of leading-edge solutions that combine performance with safety.



▲ RESISTOR

HYDROELECTRICITY

Mersen is the preferred partner for customers across the hydroelectric industry. Our product innovations are supported by a range of maintenance services and technician training solutions.



▲ GENERATOR WITH BRUSHES AND BRUSH-HOLDERS



BUSBAR ▲

SOLAR POWER

Mersen supports the entire solar cell manufacturing process, from the production of polysilicon and ingots to the electrical protection of solar panels. Our dedicated, durable solutions enable manufacturers to optimize their performance in terms of both conversion efficiency and energy use.



SLIP RING ▲



GRAPHITE INSULATION ▲

CONVENTIONAL ENERGY

Mersen is well-known for its expertise in areas ranging from thermal to nuclear power. The leading manufacturers of turbo-alternators place their trust in our certified equipment and our pragmatic approach to maintenance issues.



ELECTRONICS

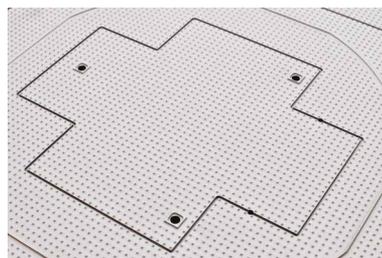
DRIVING EFFICIENCY AND PERFORMANCE

EEmbedded in the heart of the latest innovations that connect and brighten our lives, Mersen technologies are supporting the development of LEDs and microprocessors and providing the power electronics needed to distribute electricity.



SEMICONDUCTOR MANUFACTURING PROCESSES

Mersen supplies high-grade, ultra-pure graphite for semiconductor manufacturing processes. Our equipment catering to the wafer manufacturing process ensures an extremely high level of purity, particularly for the manufacture of LEDs. We are able to achieve constant improvements in miniaturization and performance thanks to our design precision and component machining.

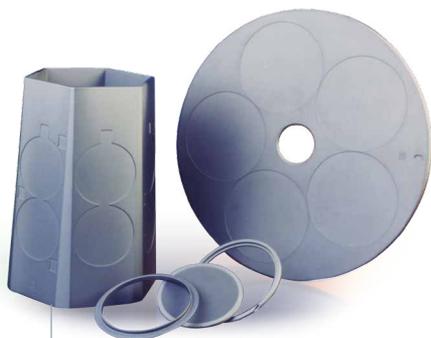


◀ SILICON CARBIDE SUPPORT

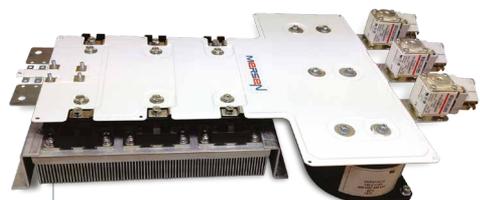


POWER ELECTRONICS

Mersen supports power electronics specialists with the development of components and solutions for both power assemblies (busbars, coolers) and inverters (protection fuses). Our components ensure safety and reliability and help to boost systems' energy efficiency.



▲ WAFER HOLDER FOR EPITAXY



▲ INTEGRATED POWER CONVERSION MODULE



TRANSPORTATION

EFFICIENT AND RELIABLE MOBILITY



A key partner in the development of mass transit, air and rail transportation systems for many years, Mersen also contributes its expertise to other mobility segments, including aerospace. The common denominator among the various industries involved in moving people and goods is an overriding need for efficient, reliable solutions.



AERONAUTICS

Mersen provides safe, highly resistant components and materials to the aeronautics industry, which operates in an extreme environment characterized by thin, dry air, high temperatures and abrasion. Our purpose-designed graphite components, for example, enhance aircraft engine systems and help our customers comply with the industry's particularly stringent standards.



▲ SILICON CARBIDE MIRROR

RAILWAYS

Covering the full range of rail systems, from subways, tramways and trolleybuses to electric and diesel-electric locomotives, Mersen offers rail industry manufacturers and operators electrical protection, transmission and conversion solutions that improve the performance and reliability of their equipment.



▲ THIRD RAIL COLLECTOR

BUSBAR FOR TRACTION ▶



POWER-ELECTRONICS COOLING SYSTEM ▼

ECODESIGN THIRD RAIL SHOE ▼



◀ MECHANICAL COMPONENTS

CARBON SEAL FOR AIR CONDITIONING SYSTEMS ▶



SPACE

Mersen is leveraging our unique expertise in sintered silicon carbide – a ceramic whose rigidity, low density and thermal stability are highly sought-after in the space industry – to create new opportunities in the area of optical instruments and space exploration.



CHEMICALS AND PHARMACEUTICALS

SOLUTIONS FOR CORROSION-RELATED CONSTRAINTS



Mersen provides solutions geared perfectly to the cutting-edge manufacturing processes used in the corrosive chemicals and pharmaceuticals industries. We can optimize equipment and support the maintenance process for corrosion and high temperatures and address the regulatory and H&S requirements.

PHOSPHORIC ACID

Mersen is the leading supplier of large shell tube heat exchangers designed specifically for the production of phosphoric acid - a key ingredient in fertilizers. Our innovative solutions extend the life of our customers' equipment and increase their productivity.

GRAPHITE HEAT EXCHANGER ▶



HCL SYNTHESIS UNIT ▼

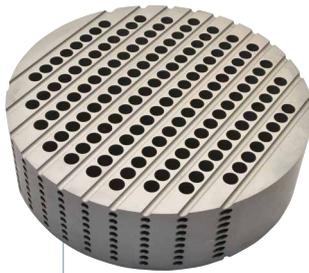


CHLOR-ALKALI

Given our proficiency in the chlor-alkali process, we are able to deliver turnkey solutions for producing hydrochloric acid that combine engineering, design, equipment manufacture, project management and on-site start-up of the facilities. Our audit and expertise services also ensure compliance with the legislation in force and can help to boost production capacity.

ACTIVE PHARMACEUTICAL INGREDIENTS

Mersen markets a range of equipment geared to the manufacture of the active pharmaceutical ingredients that lie at the heart of drugs. Thanks to our ability to meet all the various constraints, including those deriving from the regulations (EU-GMP), we can help to implement high value-added batch production.



▲ SILICON CARBIDE BLOCK



▲ SILICON CARBIDE MODULE FOR A CONTINUOUS FLOW REACTOR

SPECIALTY CHEMICALS

In paint, flavorings and agrochemicals (plant health), Mersen provides solutions for the rapid changes in specialty chemicals by marketing innovative materials solutions geared to the roll-out of high value-added batch production in highly corrosive environments.





PROCESS INDUSTRIES

ENHANCING ENERGY EFFICIENCY



By focusing our innovation capabilities on energy efficiency, Mersen is supporting the dramatic changes occurring across all process industries, including metalworking, die-casting, glassmaking, oil and gas, cement, steel, and pulp and paper.

METALWORKING

To enable the metalworking industry to operate in the specific conditions it requires (high temperatures, aggressive atmospheres, variety of operating cycles, etc.), Mersen can provide suitable materials and power solutions—products and equipment dedicated to all manufacturing processes and effective solutions for electrical equipment.



SURGE PROTECTIVE DEVICES ▶
CURRENT LIMITING FUSES



BRUSH AND BRUSH-HOLDER ▶



◀ POLYBLOC® HEAT EXCHANGER

MOLDING INDUSTRY

Many everyday products, from cars to smartphones, are manufactured using industrial molds that harness the benefit of Mersen's expertise. The precision of our electrical discharge machining, the performance of our materials and our range of services means that we can guarantee a design, quality, the lowest possible costs and execution speed.



▲ GRAPHITE ELECTRODE FOR PRECISION MACHINING

GLASSMAKING

Mersen develops customized solutions for the high-volume industrial processes used to manufacture such products as flat glass, container glass and fiberglass. By supplying equipment for handling hot glass and providing reliable electrical solutions, we ensure cost savings and performance gains for our customers, while also minimizing the risk of breakage.



▲ GRAPHITE COMPONENTS FOR HOT-GLASS HANDLING

THE MERSEN DIFFERENCE

OUR DAY-TO-DAY OPERATIONS ARE CONSTANTLY INFORMED BY OUR COMMITMENT AND OUR VALUES



WHAT WE OFFER

UNMATCHED MATERIALS EXPERTISE

A DENSE GLOBAL SALES AND PRODUCTION NETWORK

CENTERS OF EXCELLENCE MEETING YOUR REQUIREMENTS



TEAMS SPECIALIZED IN YOUR MARKETS

INTIMATE KNOWLEDGE OF THE CHALLENGES FACING THE POWER INDUSTRY



GREATER COMPETITIVENESS

STREAMLINED CUSTOMER RELATIONSHIP MANAGEMENT VIA YOUR MERSEN CONTACT

HOW YOU BENEFIT

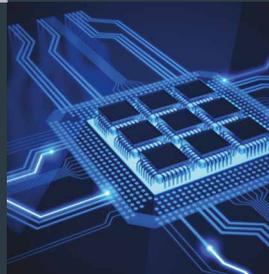


ENHANCED PERFORMANCE



IMPROVED SAFETY AND RELIABILITY

SUPERIOR GRASP OF YOUR NEEDS





MERSEN IS A GLOBAL EXPERT
IN ELECTRICAL POWER
& ADVANCED MATERIALS



WWW.MERSEN.COM