



TE ENERGY PRODUCTS
POWERFUL SOLUTIONS

TE ENERGY



TE Connectivity, through its Energy business unit, offers a wide range of reliable and cost-effective products for the electrical power industry. Our position as a leading supplier of electrical components enables us to design next-generation products.

For over 60 years, we have worked closely with our customers around the globe to develop innovative solutions to ever-changing challenges, known under names such as Axicom, Bowthorpe EMP, Crompton Instruments, Raychem, Simel.

We have sales representatives in more than 50 countries and manufacturing sites in five continents.

A BROAD PRODUCT PORTFOLIO

LOW AND MEDIUM VOLTAGE COMPONENTS

- Cable Accessories
- Connectors and Fittings
- Insulators
- Wildlife and Asset Protection
- Surge Arresters



HIGH VOLTAGE COMPONENTS

- Cable Accessories
- Connectors and Fittings
- Surge Arresters
- Insulators, Rods



ELECTRICAL EQUIPMENT

- Power Measurement and Control Instruments
- Control Systems
- Smart Solutions



THE INDUSTRIES WE SERVE



Generation



Transmission



Electrical
management
system



Distribution



Industry

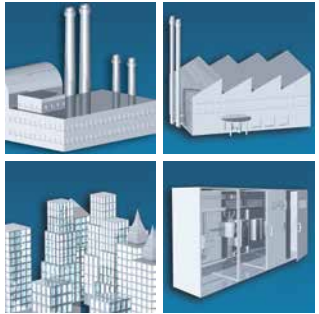
Electrical Network

- Generation
- Transmission
- Distribution



Industrial & Construction

- Heavy Industry
- Industry
- Building Construction
- Equipment Manufacturers



Infrastructure

- Lighting
- Transportation



RESEARCH AND DEVELOPMENT

Basic research and development is carried out at 13 outstanding scientific and engineering research facilities around the world.

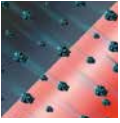
The majority of R&D projects for cable accessories is handled in Ottobrunn/Germany where a fully equipped high-voltage test lab, material labs and the modelshop are located. Electrical, chemical and mechanical scientists and engineers are working in crossfunctional teams focused on new technologies and product developments and improvements.

For short-term and long-term material- and product testing, multiple labs are available.



A CULTURE OF INNOVATION

Systematic research into new materials has resulted in a wide range of products with enhanced properties to meet the changing needs of the electrical power industry:



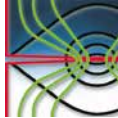
Non-tracking and UV stable materials



Moisture blocking



UHV composite material



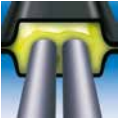
Reduced contact resistance



Surge suppression systems



Resin technology



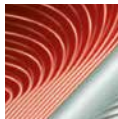
PowerGel insulating material



Shearbolt technology



High performance heatshrinkable layer materials



Electrical stress control

Our extensive breadth of technology is represented through our portfolio of globally recognized product brands :
Raychem, Simel, ALR, Utilux, Bowthorpe EMP, B&H, Crompton Instruments...

MANUFACTURING

With 10 manufacturing facilities across the globe, we can react promptly to customer requirements and keep lead times and shipping distances to a minimum.

Our largest manufacturing site is Ottobrunn/Germany, with a capacity for more than 15 million meter of heat-shrink tubes. Manufactured out of approx. 4,000 tons of compounds and with more than 50 different formulations.

Our manufacturing site in Gevrey-Chambertin/France is known as the competency connector center for the Energy Business Unit. Connectors and fittings are sold all over the world.

By combining local knowledge with world-class research, product development and manufacturing capabilities, we set high standards of performance and user convenience.



COMMITTED TO QUALITY

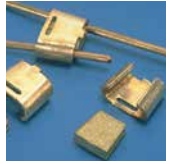
ISO 9001 series and ISO 14001 certifications for almost all locations underline our continuing commitment to quality and the environment. Health and safety of our employees is also certified by OHSAS 18001 in the majority of our sites.

All TE Energy products are subjected to extensive testing from the time they enter our plants as raw material until they leave as finished products. Requalification testing is carried out on a regular basis with installed components. Customers can thus have full confidence in the products, services and data supplied.

In many cases, this saves the cost and inconvenience of any further downstream verification. All our electrical power products meet international specifications, such as IEC, CENELEC, IEEE, ANSI, and virtually all national standards.



CONNECTORS AND FITTINGS



Our full line of connectors and accessories for low, medium and high voltage cable for underground and overhead networks, substations, grounding applications, rail transport infrastructure, industrial applications covers most applications in an electrical network.

- Connectors
- Lugs
- Clamps
- Spacers
- Grounding rods
- Solderless Terminals and Splices
- Terminal Blocks
- Tooling

INSULATORS



Our wide range of insulators has earned a worldwide reputation for innovation, quality, service and technical expertise for an array of applications in power networks.

- Porcelain Insulators
- Polymeric Insulators
- Hybrid Insulators
- Rail Insulators

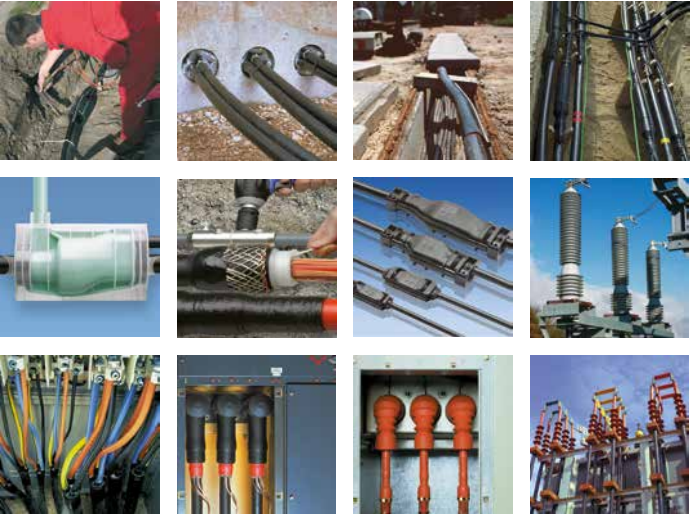
WILDLIFE AND ASSET PROTECTION



Our insulation systems for substations and overhead lines are used in transmission-, distribution networks, HV substations, railway- and OEM applications.

- Busbar Insulation Tubing and Tapes
- Insulating Sheets
- Preformed Covers
- Squirrel Guards
- Bird Protection Caps
- Overhead Line Insulation Sleeves
- Creepage Extenders
- Flexible Insulated Bars

CABLE ACCESSORIES



Most innovative utilities and industries around the world use our power cable accessories. Designed to withstand environmental extremes and high pollution levels over long operating lifetimes, they help maintain service reliability in both overhead and underground installations.

- Low Voltage Accessories
- Medium Voltage Joints
- Medium Voltage Terminations
- Medium Voltage Switchgear Connection Systems
- Heat-shrinkable Tubing
- Sealing Systems
- High Voltage Terminations
- High Voltage Joints
- High Voltage Link Boxes
- Nuclear Qualified Products
- Tooling

SURGE ARRESTERS



We offer an extensive range of polymeric and porcelain surge arresters for distribution and transmission networks that are in service around the world and are protecting installations in all climatic conditions.

- Low Voltage Surge Arresters
- Medium Voltage Surge Arresters
- High Voltage Surge Arresters
- DC Rail Surge Arresters

MONITORING AND CONTROL



Our products have earned a world wide reputation for quality and offer proven reliability across power generation, process control, test and measurement, utility, marine, defense and energy management applications.

- Digital Metering Systems
- kWh Energy Meters
- Transducers
- Protector Trip Relays
- Meter Relays
- Digital Indicators
- Analogue Instruments
- Current Transformers
- Shunts

LIGHTING



Our products for street lighting and public services help utilities and municipalities to reduce the total cost of ownership and at the same time improve their lighting service levels.

- Photo Controls
- Time Controls
- Connection Boxes
- Fuse Boxes
- Cable Joints

TE Connectivity (NYSE: TEL) is a \$12 billion global technology leader. Our connectivity and sensor solutions are essential in today's increasingly connected world. We collaborate with engineers to transform their concepts into creations - redefining what's possible using intelligent, efficient and high-performing TE products and solutions proven in harsh environments. Our 72,000 people, including over 7,000 engineers, partner with customers in close to 150 countries across a wide range of industries. We believe EVERY CONNECTION COUNTS - www.TE.com.

- Mining
- Nuclear power plants
- OEMs
- Overhead distribution
- Petrochemical plants
- Railways
- Street lighting
- Substations
- Transmission lines
- Underground distribution
- Windfarms
- Solar
- Hydro-electric

WHEREVER ELECTRICITY FLOWS, YOU'LL FIND TE ENERGY



te.com/energy

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