



HIGHLIGHTS OF OUR SOLUTIONS, PRODUCTS AND EQUIPMENT FOR T&D AND INDUSTRIAL APPLICATIONS

low, medium and high voltage

ABOUT US



Our Company is Focused on our clients, today we are one of the most important and respected players in the European market of products, equipment, services for T&D applications and OEM production.

AT A GLANCE

We are a group of companies focusing most of activities in the energy sector.

With their breadth of expertise and professional backgrounds, our people represent the most important asset in generating value for our clients.

Over the years, EPS Energie GmbH has grown to become one of the most important players in the market of products, equipment and services for T&D application and renewable energy development sector.

Our products and solutions provide all the necessary certifications and approvals for the international standard and beyond, together with our customers we can open up global markets

- more than 370 employees
- a turnover of over 65 million EURO
- 4 factories producing more than 300 product types
- over 4000 constructive options
- dedicated business units for SCADA and IIoT projects, turnkey projects, electrical design and renewable energy projects
- offices in 11 cities in Germany and Romania
- a dynamic actor in the European market

INNOVATION & PERFORMANCE

Here at EPS Energie, we combine our resources in order to provide our customers with complete solutions to build, maintain, OEM production and manage electrical networks.

We produce hundreds of products and we have the experience to combine and adapt them in order to help our clients save resources.

We work together with our clients from the design phase until the commissioning phase to help them to efficiently achieve their goals.

Our patented inventions, mixed with our solid experience and know-how make our products and solutions perfectly adapted for the safety, efficiency and reliability of the energy transport and distribution systems.

LOW VOLTAGE PRODUCT RANGE

INSULATED PIERCING CONNECTORS

The Insulated Piercing Connectors (IPCs) for LV bundled conductors are designed and tested to meet the applicable EN and/or IEC norms. They benefit from over 20 years' experience of designing, engineering and manufacturing of high quality products.



LOW VOLTAGE BOXES AND PANELS

The low voltage boxes and panels are manufactured in a specialized factory. The range includes but it is not limited to:

- Single and three-phased plastic boxes for metering
- Assemblies for power distribution in public networks
- Low voltage distribution panels



CONTROL, SIGNALING AND PROTECTION PANELS FOR 110KV / MV POWER SUBSTATIONS

Our control and protection panels are designed to provide protection, control, interlocking, automation and SCADA functions. The range includes:

- 110kV overhead lines protection panels
- 110/20(6)kV transformer protection panels
- 110 kV coupling protection panels
- SCADA panels
- Arc-suppression coil automation panels



MEDIUM VOLTAGE PRODUCT RANGE

WIDE RANGE OF MV INSULATORS

since the year 2000, we produce with success medium voltage insulators used for overhead lines, switch disconnectors and fuse basis. In addition, we can deliver insulators for supporting the busbars in medium voltage outdoor installations.

End fittings are made from hot dip galvanized steel or according to customer requirements with other materials.

With more than 4.000.000 units in service, our insulators proved to be highly resistant to environmental pollution of any kind, highly hydrophobic, lightweight, robust and durable.

The insulators hold various approvals from European utilities.



INSULATORS FOR RAILWAY CATENARY SYSTEMS

our portfolio include:

- Nine types of insulators for 27,5 kV AC
- Four types of insulators for 3 kV DC, including high speed applications
- Five types of insulators for railway disconnectors
- Complete cantilever systems for 3 kV DC and 27,5 kV AC applications, including designs for installation in tunnels

Most of the insulators hold various approvals from European railway companies.



12 - 24 KV SURGE ARRESTERS

The surge arresters offer reliable protection against power surges for the equipment in the electrical distribution systems. They are highly resistant to environmental pollution of any kind, highly hydrophobic, lightweight, robust and durable. The product range includes various ratings between 12 -24 kV .



MEDIUM VOLTAGE PRODUCT RANGE

CURRENT LIMITING FUSES

Back-up current-limiting fuses are designed for protection of systems which include transformers, against the destructive results of short-circuits and overloads, by limiting the thermal and electro-dynamic effects of the short-circuit currents.

The medium voltage fuses are available for voltages of 6 kV, 10 kV, 20 kV and 36 kV and in ranges between 2,5 to 125 A.

The fuses are complying with IEC 60282-1:2002, DIN 43625 and IEC 60787 and can be used both in outdoor and indoor applications.



24 KV OUTDOOR SWITCH DISCONNECTORS

Thanks to its modular construction and design features available for most of the models, the outdoor switch disconnecter can be either manually or remotely controlled and can be prepared for both vertical and horizontal installation.

The product range includes both SF6 and air-insulated versions, with composite insulation and the possibility to break currents up to 630 A.



INSULATORS FOR SPECIAL APPLICATIONS

- **Current transformers for protection in silicone rubber.** The silicone rubber cover ensures high reliability for outdoor applications like use on SF6 disconnectors.
- **Outdoor sensors for current and voltage.** The current and voltage sensor are designated for MV applications in compliance with IEC and IEEE standards, for outdoor installations. The sensor can be used for protection and metering, power quality monitoring, etc.
- **Bushing Insulators.** For use of SF6 disconnectors for medium voltage applications.



HIGH VOLTAGE PRODUCT RANGE

110 - 400 KV LONG ROD COMPOSITE INSULATORS

Composite line insulators offer significant advantages of better leakage distance, light in weight (1/10th of the conventional) over porcelain insulators.

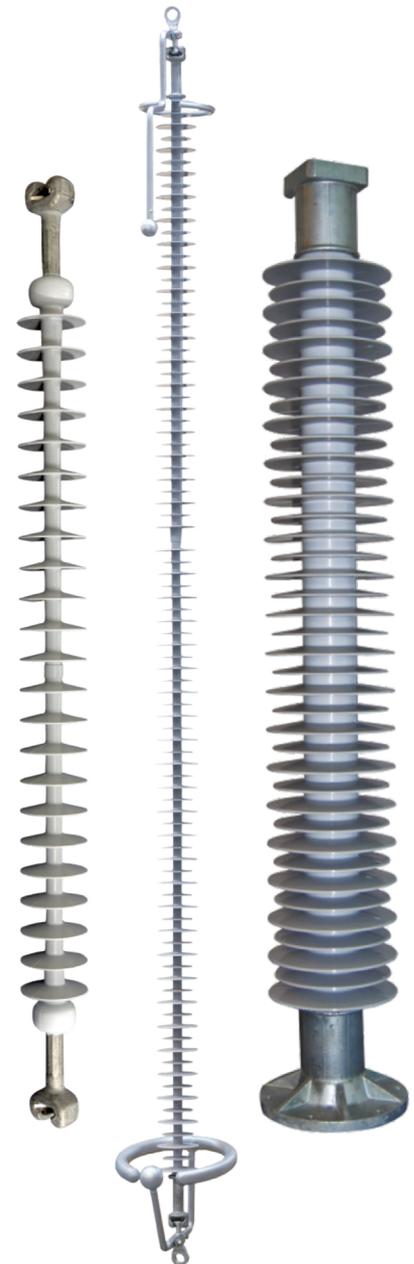
Since 2001, Eximprod designs and manufactures a full range of transmission strings with composite insulators for voltages up to 400 kV.

110 – 220 KV INTERPHASE SPACERS

Transmission Interphase Spacers are used to prevent galloping phenomena on those overhead lines that are exposed to strong winds and/or frost. The product range is available for voltages up to 220 kV.

123/ 145 KV POST COMPOSITE INSULATORS

In 2010, we start with the composite station post insulators in order to provide a simple and efficient solution for the maintenance of old 123 / 145 kV switch disconnectors. This allowed the grid operators to quickly replace damaged porcelain insulators, without replacing the entire switch or having to undertake extensive construction works. The same insulators are used in the construction of new disconnectors as well as busbar supports.



HIGH VOLTAGE EQUIPMENT

123/145 KV SF6 CIRCUIT BREAKERS

Following to several years of research, development and full scale testing, we launching in 2015 the SF6, 123 / 145 kV Circuit Breaker.

This equipment is type tested by an ISO 17025 accredited laboratory to strictly fulfil or exceed the latest EN / IEC norms. It is available in both polymer / porcelain outside insulation.



123 KV SWITCH DISCONNECTORS

In 2012, we extended the product range to include a modern 123 kV switch disconnector with composite insulators.

The equipment is designed to meet extreme system and environmental conditions like short circuit capability of 40 kA / 3s and 24 mm ice thickness.

The switch disconnectors is fully tested according to EN/IEC standards in ISO 17025 accredited laboratory.



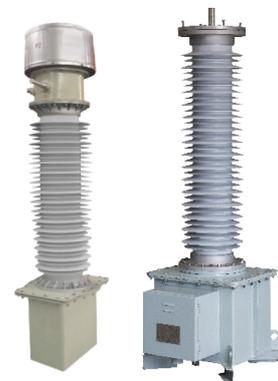
123 KV INSTRUMENT TRANSFORMERS

An extensive range of 123/145 kV Current and Voltage transformers, oil insulated are available our portfolio.

They are designed according to last issues of EN/IEC norms and type tested by an ISO 17025 accredited laboratory to strictly fulfil or exceed the latest EN / IEC norms.

Routine testing is done in the factory laboratory which is metrological approved.

The transformers hold model approval issued by Romanian Bureau of Legal Metrology.



COMPANY CERTIFICATIONS



We enjoys an outstanding reputation and has been successfully audited and qualified as an approved supplier among well known companies in the energy & railways field.

ISO CERTIFICATIONS

We have implemented and we are maintaining the following standards:



BS OHSAS 18001:2008
Occupational Health and Safety Management System



ISO/CEI 27001:2013
Information Security Management System



EN ISO 14001:2004
Environmental Management System



ISO 9001:2008
Quality Management System

PRODUCT CERTIFICATIONS

Besides implementing the ISO standards in the company, we has been audited and certified by our main customers in the energy & railways Sector.



MAIN REFERENCES

we proud to be serving a portfolio of over 300 companies in the electrical and energy sector all over the world:



PRODUCTION AND TEST FACILITIES



We are permanently investing in new production capabilities, automation and last generation of equipment in order to preserve our reputation for innovation and clear vision.



LOW VOLTAGE

Products and equipment for overhead lines and various distribution boards



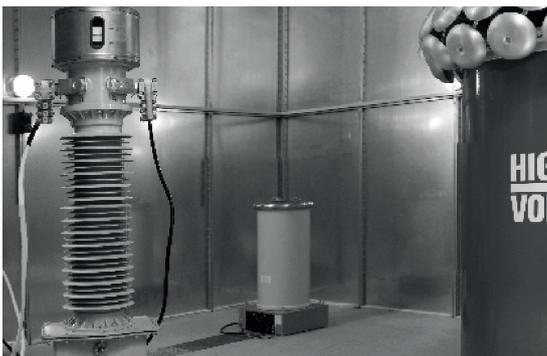
MEDIUM VOLTAGE

Products and equipment for overhead lines and other medium voltage applications



HIGH VOLTAGE

Products and equipment for overhead lines and substations



HV FACTORY LABORATORY

The HV factory includes a last generation laboratory to perform routine tests on the following equipment with rated voltage up to 145 kV:

- Switch disconnectors
- Circuit breakers
- Current and voltage transformers
- Surge arresters

The information in this document, such as dimensions, weights, illustrations and descriptions, is not binding and contains only general descriptions or performance characteristics which do not always apply as described in the specific application or which may change as a result of further development of the products.

All product designations may be trademarks or product names of EPS Energie GmbH or of supplier companies, the use of which by third parties for their own purposes could violate the rights of the owner.

HEADQUARTERS

Süliche Münchner Str. 15
D-82031 Grünwald
Phone: +49-(0)89-69758613
E-mail: info@epsenergie.de
Web: www.epsenergie.de