

The ENSTO logo is displayed in a bold, blue, sans-serif font in the top right corner of the page.

For Electrical Networks

Proven reliability



Better life.
With electricity.

Ensto offers comprehensive set of components and devices for overhead and underground grid
ensto.com

Underground and overhead line

Components for low- and medium-voltage networks



Cold shrink silicone rubber insulators

- > Spiral expanded for easy installation.
- > Geometric stress control: no losses, multi frequency.

Ensto cold and heat shrink splices and mechanical connectors for underground

Ensto's type-tested underground cable splices and terminations employ silicone rubber technology for cold shrink use and multilayer crosslinked polyolefin for heat shrink.

The range taking mechanical connectors with shear head screws are tin coated, to be used with copper and aluminum conductors. They are designed for low- and medium-voltage networks and comply with the applicable EN and IEC standards.



Heat shrink tubing, silicone rubber insulators and aluminum splices are manufactured in Ensto's own factories.



Range of splices and lugs with tin coating.



Complete kits for various cable types.

Design for 60 years

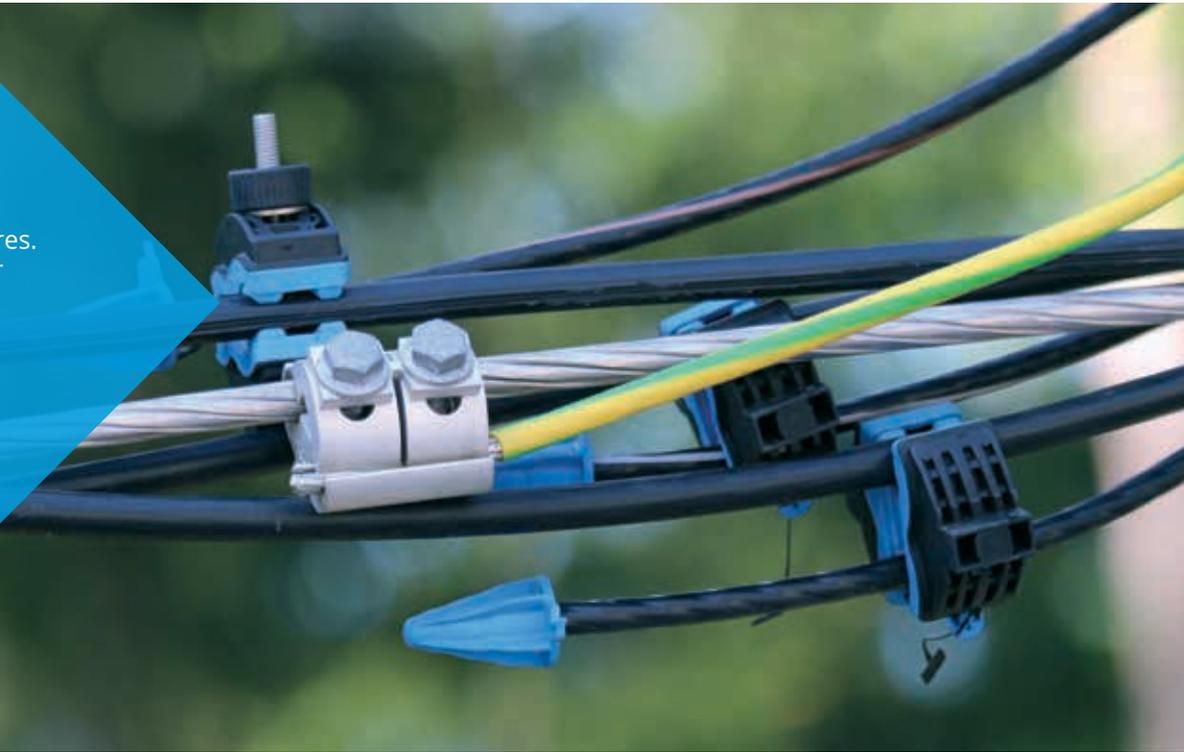
Ensto designs products for easy usability and a long service life. Mechanical connectors with shear head screws provide reliable and uniform cable connection without the need for special tools. In-house development of plastics compounds and mastics ensure constant reliability year after year.

Ensto is a member of Europacable Accessory Group

Europacable Accessory Group consists of leading European wire and cable producers, promotes and develops installation reliability, and steers standardization of medium-voltage cable accessories.

The revolutionary SLIW 50 IP connector family is an investment for the future:

- Tin-coated aluminum teeth to accommodate copper wires.
- Elastomer rubber gasket for permanent water proofing.
- Aluminum shear head nut for constant contact pressure.
- Tested with 1000 heat cycles up to 2x nominal load.
- Robotized molding process for bodies ensures constant performance



Ensto's overhead line products are proven to last decades

For 60 years, Ensto has manufactured full sets of accessories for building low- and medium-voltage overhead lines. With installations in the cold north, hot deserts, salty coasts, and deep jungles, our accessories are proven to be reliable, installer friendly, and long-lasting. As a pioneer in insulation piercing connectors (IPCs), Ensto continues to enhance this technology, which has been successfully used in since 1970's.



Ensto has an ILAC-accredited (EN ISO/IEC 17025) laboratory for certified-type testing.



Extensive range of insulation piercing connectors (IPCs).

Overhead line product offering

Ensto offers insulators, tension, and suspension clamps, arc protection devices, current limiting devices, connectors, bird protectors, cross arms, and tools for building low- and medium-voltage networks. Ensto's polymer-housed, metal oxide surge arresters are available for medium and high voltage.

Accredited testing laboratory

Our product development is steered by rigorous testing in our own laboratory. We perform accredited-type testing to our products according to various international standards. All our products exceed the requirements of used standards.

Performance for Smart Grid

Expertise in network power quality



Ensto Phase Balancer fixes voltage quality in low voltage line.

Network automation and power electronics for smarter grids

Enhancing power quality

Ensto wants to ensure high and consistent-quality power distribution by providing the best possible power quality solutions. Our solutions are maximizing the capacity, safety, and lifetime of existing low voltage grids with cost-effective and fast ways.

Ensto Phase Balancer evens the loading of three phases by shifting the load from one phase to another. It eliminates flickers, single phase voltage sags, improves voltage waveform and safety.

Network Automation

Network automation improves the quality of service and SAIDI/SAIFI indicators by remote control or automatic sectionalizing of the network. Weather proof switches for medium-voltage overhead lines are durable and reliable to operate in any environment.

The offering covers medium-voltage, remote-controlled switches with SF6 or vacuum insulation and cable fault detectors and low-voltage, pole-mounted circuit breakers for transformer

protection. Fast payback of the automation investment is generated by fewer interruptions, less-affected customers, and faster repairs.



The Ensto Auguste is the most widely installed load break switch on the market today.

ENSTO



Electrical Solution Provider

Ensto is an international family business, which designs and provides smart electrical solutions to improve the safety, functionality, reliability, and efficiency of smart grids and buildings. *We want to create Better life. With electricity.*

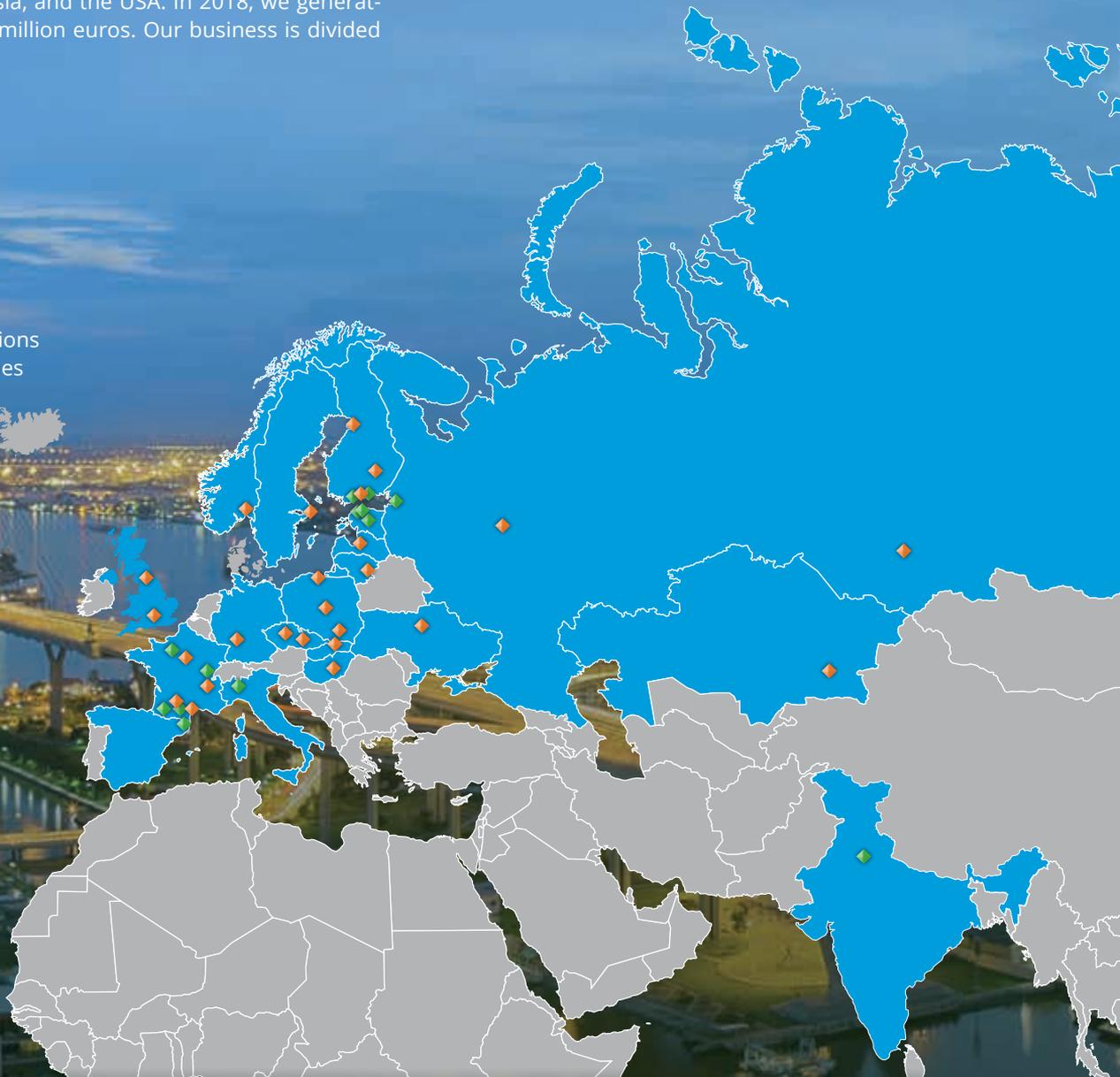
Ensto was founded in 1958 and will celebrate its 60th anniversary in 2018. Ensto employs ca. 1,600 passionate professionals in Europe, Asia, and the USA. In 2018, we generated turnover of ca. 266 million euros. Our business is divided

into three business areas: Ensto Utility Networks, Ensto Smart Building, and Ensto Digital Solutions. Ensto companies are certified to ISO 9001.

In Ensto Utility Networks, we are committed to providing solutions for smarter grids with excellent network power quality. Our proven technologies with professional customer support contribute to reliable electricity distribution, which is the basis for any smart grid functionality. With 60 years experience in serving utilities internationally, we believe that only reliable, long lasting products earn us a place in the market.

Locally Present in 20 Countries

- Ensto business locations
- Other export countries
- ◆ Sales & production
- ◆ Sales offices





ENSTO

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