Do you work in the transformer industry? If so, you should find out more about the TRANSFORM brand.

TRANSFORM is an umbrella organization comprising ten premium European suppliers in the transformer industry. It was initiated in 1998 at an event at the Forum of the German Museum in Munich. Developed and organized by Maschinenfabrik Reinhausen (MR), this was the first in a series of trade conventions and exhibitions, involving high-caliber suppliers from the transformer industry. The feedback from guests – especially transformer manufacturers and operators – was very encouraging so this series of events has continued to be held on a regular basis. In the meantime, this industry forum, which is held every two years at a different location, enjoys an excellent reputation among experts and users.

All TRANSFORM activities and events share the same goal of encouraging businesses to share information about the most important components in performance transformers. Come along to this flagship event and experience the international trade convention and exhibition for yourself. Alternatively, you can send your latest recruits to the TRANSFORM campus. These seminars provide practical knowledge that can only be obtained from TRANSFORM partners and is conveyed with enthusiasm.
**TRANSFORM events**

1998  Munich, Germany  
2001  Munich, Germany  
2004  Pattaya, Thailand  
2007  Doha, Qatar  
2009  Rome, Italy  
2011  Singapore  
2013  Abu Dhabi, UAE  
2014  TRANSFORM Américas, Cartagena, Columbia

**TRANSFORM campus**

2012  TRANSFORM campus, Berlin, Germany  
2013  TRANSFORM campus, Berlin, Germany
TRANSFORM – History
TRANSFORM partners – learning from the best-in-class manufacturers

Essex sas
LS Cable and System

GEA
GEA Renzmann & Grünewald GmbH

HSP Hochspannungsgeräte GmbH
& Trench Bushing Group

KREMPEL GmbH

Maschinenfabrik Reinhausen GmbH
HIGHVOLT Prüftechnik Dresden GmbH

OMICRON electronics GmbH

PFISTERER
PFISTERER Kontaktsysteme GmbH

RÖCHLING Engineering Plastics KG

ThyssenKrupp Electrical Steel GmbH
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www.lscns.com
Cables bring the future

LS Cable and System provides a wide range of Energy and Telecom Cable solutions. Focused on innovation, LS Cable and System develops continuously world Class core technologies for the power and transformer industry. Working closely with the customers, LS Cable and System is a key partner to answer the growing needs in power infrastructure and renewable energy.

Essex, subsidiary of LS Cable and System, is the global leader of winding wire solutions. As market leader for the transformer industry, Essex is continually providing innovative solutions for Continuously Transposed Cable, used in power and traction transformers.

LS Cable and System is a global company producing on 3 continents, with 10,000 employees and more than 70 offices in 24 countries.
Established in 1948 with the segment GEA Heat Exchangers, **GEA Renzmann & Grünewald GmbH** is a member of the globally operating GEA Group, which is based in Düsseldorf, Germany. The GEA Group Aktiengesellschaft is one of the largest suppliers of process technology and components for the food and energy industries. As an international technology group, the company focuses on sophisticated production processes.

GEA Renzmann & Grünewald GmbH has been successfully developing, designing and manufacturing heat exchangers and other process equipment for more than 60 years. The focuses of the company’s wide range of products and services are the product lines Transformer Cooling Systems and Double Tube Systems. Based on our long years of experience and our organically developed expertise we recommend ourselves as a global supplier of equipment and components which are both economically efficient and environmentally compatible.

In order to serve our customers in an optimum way Transformer Cooling Systems has a worldwide network of sales agents and established production sites in Germany, China and Poland (North America under development).
HSP Hochspannungsgeräte GmbH & Trench Bushing Group
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High voltage bushings and equipment – the power to connect

**HSP Hochspannungsgeräte GmbH** – known as HSP – and **Trench** have a long history and a well known reputation in manufacturing high voltage bushings and equipment. Both are world leader in power engineering and design of specialized electrical products. As ‘HSP & Trench Bushing Group’ they share their knowledge in the development, design and production of AC and DC bushings up to 1200 kV. Customers will substantially benefit from their close cooperation in terms of innovation, joint research & development and common design.

The bushing group provides a wide range of bushing products including bushings for power transformers and HVDC transmission. The portfolio includes resin impregnated bushings up to 1100 kV, oil impregnated paper bushings (OIP) up to 1200 kV and SF6-gas bushings up to 1200 kV. Whatever your bushing requirements, the bushing group has the right bushing for your application.

Their technologies have been successfully in service for more than 60 years now and with more than 650 employees the bushing group operates globally from their production locations in Troisdorf (Germany), St. Louis (France), Toronto (Canada) and Shenyang (China).
**KREMPEL-GROUP** as a family-owned company, is an independent manufacturer of high-quality semi-finished products and a leading global operational systems supplier of modern materials. The electrical insulations, solar materials, composites, electronic materials and special laminates enjoy an excellent reputation worldwide and are world market leaders in several areas. More than 1,200 staff is employed at the manufacturing sites in Germany, England, Poland, Brazil and China.

Especially for high voltage transformers there is POWERBOARD AK. It is a natural colored, hot pressed pressboard made of 100% unbleached sulphate cellulose (Type B.3.1A). The material is characterized by its high purity and its high mechanical strength. POWERBOARD AK offers low shrinkage, is dimensionally stable with low compressibility and possesses also high oil absorption.

Distributors in Austria, the UK, the USA, Thailand and China ensure fast local service.
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The Reinhausen Group is active in the field of power engineering and is composed of the Maschinenfabrik Reinhausen (MR) located in Regensburg and more than 20 subsidiaries spread all around the world.

MR’s core business is the regulation of power transformers. This is achieved primarily by using on-load tap-changers that adjust the turn ratio of the primary and secondary windings to the changing load ratios and together with other innovative products and services ensure the failure-free supply of power. For the first time ever MR’s vacuum switching technology for on-load tap-changers made it possible to provide the user with a maintenance-free system.

Furthermore, the product range of MR includes off-circuit tap-changers, motor drives as well as control and monitoring units. Oil level and temperature gauges, pressure relief devices, maintenance-free dehydrating breathers and electronic thermometers round off the portfolio.

HIGHVOLT Prüftechnik Dresden GmbH, a subsidiary of MR, is a global leader in high voltage test systems and measurement equipment with an export share of about 90 percent. HIGHVOLT develops and manufactures systems and equipment for testing devices used to transfer electrical energy, such as transformers, cables, and switchgears. They also furnish research and educational institutions with their systems and equipment.

The activities of the Reinhausen group are managed by the headquarters in Regensburg: the home of the management, the center of global marketing and sales activities, of research and development as well as production and assembly.
**Nynas** is a different kind of oil company. Our business is specialized oil applications – we use oil to create sustainable value. Within our field of specialization, we’re a world leader.

If you need a transformer oil specialist who understands your needs and can deliver constantly high quality products all over the world, Nynas is the company you should be talking to.

Nynas has a complete range of transformer oils. Our product range has been designed with the latest industry demands in mind. It is perhaps not surprising that our standard grades are well within the latest requirements, and our high grades exceed them. This means that we have just what you need wherever your transformer is located in the world and for whatever application it is developed.

With regional sales offices covering most countries of the world, Nynas can offer a close relationship with sales people who understand your specific needs. We have a global distribution network that enables us to reach you anywhere in the world.
Innovative transformer testing solutions

OMICRON is an international company serving the electrical power industry with innovative testing and diagnostic solutions. The application of OMICRON products allows users to assess the condition of the primary and secondary equipment on their systems with complete confidence. Services offered in the area of consulting, commissioning, testing, diagnosis, and training make the product range complete.

In the field of power and instrument transformer testing OMICRON offers a wide range of different test sets, which allow for testing according to international standards. OMICRON’s testing solutions include conventional tests on transformers (Ratio, burden and polarity, phase and magnitude error, winding resistance, tap changer test, excitation current, short circuit impedance, etc.) as well as advanced diagnostics like dissipation/power factor and capacitance measurement, moisture measurement, partial discharge measurement and monitoring and frequency response analysis (FRA).

Customers in more than 140 countries rely on the company’s ability to supply leading edge technology of excellent quality. Broad application knowledge and extraordinary customer support provided by offices in North and Latin America, Europe, South and East Asia, Australia, and the Middle East, together with a worldwide network of distributors and representatives, make the company a market leader in its sector.
The power connection

PFISTERER specializes in connection elements and systems for low, medium, and high voltage networks. The company has also established itself as a key player on the international market with customized package solutions for public and industrial power supply systems.

PFISTERER gave the power transformer plug-in capabilities. Whether they are cable or overhead line connections, test fixtures, or surge arresters: All PFISTERER transformer components utilize the same universal dry plug-in connector sockets of the CONNEX system. This allows for a high level of flexibility in design, commissioning, and use of the transformers. In addition PFISTERER offers all of the necessary connection elements for distribution transformers, and also voltage detection and indicating devices as well as grounding and short-circuiting materials.

PFISTERER operates globally and always in your vicinity. With distribution companies and sales agencies in 18 nations, PFISTERER always stays in close contact with its customers.
**Röchling Engineering Plastics KG** is an international leader in the production and machining of engineering plastics. Products for the transformer industry include semi-finished insulation materials and machined components made from Durostone® and Glastic® glass fiber reinforced plastics, Lignostone® Transformerwood® laminated densified wood and Trafoboard®, a laminated pressboard with excellent electrical properties.

All products are used extensively in power, dry-type and traction transformers throughout the world. With more than 90 years of experience in the manufacturing of insulation materials and a world-wide customer base Röchling Engineering Plastics has an excellent reputation in this industry; a reputation of being a reliable and innovative partner with an extensive know-how of materials, their properties and applications.

The Röchling Engineering Plastics Group operates 36 locations world-wide and is part of the globally operating Röchling Group with more than 7,300 employees at 60 locations in 20 countries.
Your partner for electrical steel and a better world with electricity

**ThyssenKrupp Electrical Steel** focuses entirely on grain oriented electrical steel. We produce and sell PowerCore®, a complete range of high quality grain oriented electrical steel products.

We are one of the leading companies in the overall electrical steel business and we are always in the move to expand our global market presence as well as improve the technical and market performance. Our aim is to meet the requirements of our clients with greater technical competence and flexibility.

PowerCore® grain oriented electrical steel is a highly sophisticated soft-magnetic core material. Both in laminated and in wound cores PowerCore® electrical steel grades increase the efficiency of power and distribution transformers - minimize core closes, reduce noise emissions and it is so energy-efficient that it is now possible to build considerably smaller transformers with the same power output.

We are currently conducting research on your behalf to develop innovative PowerCore® products for future applications. Our PowerCore® material makes a significant contribution to protecting the environment throughout the world and to the sustainability of energy resources.