



Electrical infrastructure products around the globe



We guarantee energy

A high-speed train, primarily white with red and blue accents, is shown from a high-angle perspective as it travels along a track. The train is moving towards the viewer, with its headlights on. The surrounding landscape is hazy and filled with trees in autumn colors (yellows and oranges). Overhead power lines and support structures are visible along the track.

**“The Fast Train
to Konya cuts my travel
time in half!”**

**Konya - Karaman Electrification Project in Turkey
60 disconnectors and load-break switches, 25 kV
Motor drives and operating rod assemblies**

Electrical infrastructure products for a reliable, safe and efficient power distribution.

R&S is a leading provider of electrical infrastructure products in key global markets. Our products ensure a safe and reliable power supply wherever it's needed. Thanks to the expertise we've acquired over 100 years, we can support you in upcoming challenges regarding sustainable power supply and electrical network stability.

Our portfolio ranges from distribution, cast resin, power transformers, and various switching devices.

This includes specific railway electrification products, industrial electrical connectors and other power equipment. In addition to our standard solutions, we are passionate about meeting project specific requirements.

We are a Swiss-based company with a global workforce comprising 1000+ employees. With our manufacturing facilities and offices in Europe, South America, and the Middle East, as well as a vast partner network around the globe, we provide our customers with timely support.

Your challenges are our passion.

Our success is built on understanding the unique challenges our customers face. Every project is different, and we know that tailored solutions are the only way to ensure we provide our customers with the best value.



Power Distribution

There's no way to avoid change in the power distribution sector. Managers of modern power distribution networks are on the hunt for cost effective ways of increasing power efficiency, grid stability, energy storage and energy security. R&S transformers and switching devices provide modern power distribution networks with the reliability and quality they need to grow and thrive.

Renewables

Green energy is on everyone's lips. Energy providers must integrate renewable energy into their grid and transport power from generation to utilisation without impacting grid stability. The transformers and switching devices we create allow hydro-power plants, photovoltaic plants and wind farms to meet the growing demand for sustainable energy generation and support uninterrupted supply.

Transport

Investments in public transport infrastructure are booming as cities develop railway and e-mobility systems that offer reliable, sustainable, and cost-effective services. R&S understands the challenges of building future transport systems and provides dependable switches, industrial electrical connectors, and transformers to meet the growing demand.

Industry

Efficiency is one of the main factors that allow industries to gain a competitive advantage. Industry managers must improve processes, introduce automation and invest in efficient systems. By offering high-efficiency transformers and industrial connectors for a safe and reliable power supply, we can help our customers stay ahead of their competition.

Infrastructure

One of the biggest challenges that infrastructure managers face is achieving maximum safety while increasing electricity. Power must be supplied around the clock to medical clinics, skyscrapers, universities, hotels, data centres, banks, shopping centres, museums, stadiums and more. R&S provides industrial connectors and transformers that meet the most stringent safety standards and achieve the highest efficiency.

Transformers Designed for Maximum Efficiency

We are one of the leaders in transformer manufacturing. With over 100 years of experience and over 100,000 installations worldwide, R&S offers a wide of power, oil-type, cast resin, and instrument transformers.

All our transformers are produced in line with the most stringent quality standards. They are highly efficient, safe, and with low energy losses. The transformers can be equipped with a wide range of accessories and customised to the installation site's specific conditions.



Power transformers

Rated power: up to 120 MVA

Highest voltage for equipment: up to 145 kV

We produce highly efficient power transformers for distribution networks, renewables (wind, solar, hydro), conventional generation as well as industrial and railway applications.



Oil-type transformers

Rated power: up to 10 MVA

Highest voltage for equipment: up to 36 kV

Our oil-type transformers can be used for different applications, including power distribution, as converter solutions for industry and solar power plants, in waterworks and for transport applications.



Cast resin transformers

Rated power: 100 kVA to 20 MVA

Highest voltage for equipment: up to 52 kV

R&S cast resin transformers, optionally with enclosures, can be used for different applications, such as power distribution, as converter solutions for industry, solar and wind power plants, and for traction purposes.



Instrument transformers

Rated insulation level: up to 36 kV

Measurement accuracy class: from 0.5 to 0.2 s

Protection accuracy class (VT): 3P to 6P

Protection accuracy class (CT): 5P10 to 5P30

Our current and voltage transformers are used everywhere electrical parameters need to be measured and controlled.



Package Substations

Rated power: 50 kVA up to 3150 kVA

Our modular distribution centers (MDC) are compact substations optimized for areas of load growth. They include options for enclosed or outdoor switchgear—such as fuses, load break switches, reclosers, circuit breakers, and control devices like surge arresters and relays.

These MDCs offer a reduced footprint and are available with DETC or OLTC, providing reliable functionality comparable to larger, conventional substations.



Amorphous Core Transformers

Rated power: 50 kVA up to 3150 kVA

Core material: Amorphous steel for low hysteresis losses.

Our Amorphous Core Transformers (AMT) are designed for energy efficiency, minimizing losses and reducing CO₂ emissions. Unlike conventional transformers, which use stacked laminations of silicon steel, AMTs use a wound ribbon of amorphous steel. This structure results in lower energy loss as heat, making them ideal for sustainable electric grids and environmentally conscious applications.



Single Phase Pole & Platform Mount Transformers

Rated power: Up to 400 kVA

Highest voltage: Up to 36 kV

Kyte Powertech manufactures thousands of single-phase transformers each year, designed for suburban and rural distribution through single-phase overhead lines. Our standard design features a cylindrical tank configuration with medium-voltage outdoor shedded bushings and low-voltage bushings on the tank cover or side. For areas with high lightning activity, we offer a steepwave design with enhanced impulse withstand capabilities.



Pad Mount Transformers

Rated power: Up to 10 MVA

Fluid options: Mineral oil or Envirotemp™ FR3™

Kyte Powertech's Pad mount transformers are built to meet the latest ANSI/NEMA/IEEE standards, designed for reliable performance in utility and industrial applications. These transformers are available with live front or dead front HV terminals, suitable for both radial feed and loop feed grid configurations.

Our durable switches guarantee reliable operation.

Today's power transmission must not only meet a high degree of reliability, the products must also be designed to be efficient and durable. Harnessing its many years of experience in developing and producing switching devices, R&S offers high-quality and reliable disconnectors, earthing switches, load-break switches, circuit breakers and motor drives.

The switches are fully functional even when subjected to heavy icing, humidity, pollution and salty atmospheres and ensure a proper switching process. If our standard solutions don't quite meet your requirements, we can make customised solutions on request.



Railway switches

Rated voltage (AC): 15 kV or 25 kV
Rated current: up to 2,000 A
Rated voltage (DC): up to 3 kV
Rated current: up to 4,000 A
Our portfolio includes disconnectors, load-break switches and earthing switches for AC and DC application. We also offer motor drives, force transmission systems and single-phase auxiliary supply transformers.



Overhead line switches

Rated voltage: 20 kV and 30 kV
Rated current: from 400 A up to 630 A
For the use in distribution overhead lines, we provide disconnectors and load-break switches with an earthing option. The highly reliable switches are easy to install and can be mounted horizontally or vertically on wooden, concrete and steel poles.



We focus on ensuring excellent operability and usability.

We manufacture high-quality industrial electrical connectors, distribution boards and switchboards according to our customers' requirements. All product components are safe, easy to maintain and highly reliable.

Our lean structures, which enable everything from development to production, take place on the same premises, meaning we will find the right solution for you.



Industrial electrical connectors

Rated voltage (AC): up to 1,000 V

Rated current: 160 A - 600 A

In applications where industrial electrical connectors are used, safety, quality and reliability all take top priority. Whether in tunnel construction where extreme mechanical strength is required or railway applications where vibration-proof is of highest importance, R&S industrial plugs and sockets are always the right choice.



LV distribution boards

Rated current: from 25 A up to 400 A

The end user can be connected in many different ways depending on the local connection arrangement. R&S offers optimised distribution boards for residential, commercial and industrial buildings for all variants imaginable, resulting in greater flexibility for the energy provider and the end user.



LV electric switchboards

Rated current: up to 6,300 A

Our switchboards can be used for power distribution in all building types from single-family homes, to large-scale industrial complexes. Additional applications include in-tunnel lighting, ventilation, traffic signals, heating, air conditioning, pneumatics and installation at industrial plants. In special cases, we also supply converter systems for wind generators, drives, network couplers and other applications.

We care about you and your business.

From the initial consultation to project planning, manufacturing, testing, installing and the entire product life cycle, we at R&S provide you with support from start to finish.

Free your mind and concentrate on your core business. We take care of repairs and upgrades and provide the best training for your employees.

Need more convincing?

View our reference projects at www.the-rsgroup.com/reference-projects



**Switzerland**

R&S International Holding AG
Reuslistrasse 32
4450 Sissach
+41 61 976 34 66
info@the-rsgroup.com

Switzerland

Rauscher & Stoecklin AG
Reuslistrasse 32
4450 Sissach
+41 61 976 34 66
info@raustoc.ch

Italy

Tesar S.r.l.
Loc. Chiaveretto 37/B
52010 Subbiano-Arezzo
+39 0575 3171
info@tesar.eu

Poland

ZREW Transformatory S.A.
ul. Rokicińska 144
92-412 Łódź
+48 42 671 86 00
transformatory@zrew-tr.pl

Poland

Rauscher & Stoecklin Polska Sp. z o.o.
ul. Dębowa 16
32-700 Krzeczów
+48 12 312 90 41
info@tesarpolska.pl

Poland

Tesar Polska Sp. z o.o.
ul. Skarbowa 34
32-005 Niepołomice
+48 12 312 90 41
info@tesarpolska.pl

Ireland

Kyte Powertech Ltd.
Dublin Rd
Cavan H12 KV20
+353 494331588
info@kytepowertech.com

UAE

Tesar Gulf
Level 3, Spacebox, Tesar
Convention Tower, Trade Centre, Dubai
+971 4 2045305/06
tesargulf@tesar.eu

UAE

Tesar Gulf
P.O. Box #13898
Al Ain
+971 3 7847900
tesargulf@tesar.eu

Argentina

Tadeo Czerweny - Tesar S.A.
Av. República 328 (S2252BQQ)
Gálvez, Santa Fe
+54 3404 48 7200
info@tesar.eu

