



Guaranteed Power

Your partner in energy distribution



**Rauscher
Stoecklin**

A company of R&S

Long tradition

Firmly established in Switzerland

Electricity is one of the most important sources of energy and driving force of modern societies.

With over a century of experience, we are the right partner for high-quality electrotechnical products and energy distribution systems.

Our product portfolio

- Transformers
- Railway switches
- High-current connectors
- House service connection systems
- Switchgear
- 3-phase outdoor switches

Our flexibility and commitment to innovation makes us a reliable partner, who is capable of solving all challenges presented to us by our customers. With our high-quality electrotechnical products and sustainable, innovative solutions we are a trusted partner to our customers. Experienced long-term and junior employees with the will and ambition to continuously learn, are the foundation of our company.

Our company is certified in accordance to relevant quality management standards.

Our production site in Sissach, Switzerland





Power distribution

Safe and economical

We develop and produce transformers in accordance to international standards.

We are one of the leading manufacturers in the field of liquid insulated distribution transformers. The low-radiation transformers, which fully comply with the NISV (Ordinance on Non-ionizing Radiation) are a major part of our production.

Liquid-cooled transformers are also produced for ripple control applications and as single-phase auxiliary supply transformers for railway companies. In addition, we also supply air-cooled transformers for low-voltage applications as well as cast resin transformers.

Our services offer oil analyses, overhauls, repairs, installations, retrofitting and disposal.

In addition to our transformers, we carry overhead line switches in our portfolio.

Transformer development from in-house production





Distribution transformers

Oil transformers by open design are preferred in Swiss distribution networks. The free-breathing transformer offers simple maintenance to operating companies with the smallest possible dimensions and weights.



Cast-resin transformers

Our affiliate Tesar from the R & S Group produces premium-quality cast-resin transformers. They comply with internationally applicable standards and are used wherever liquid-cooled transformers are undesirable or where environmental or fire prevention regulations exist.



Dry-type & special-purpose transformers

Rauscher & Stoecklin dry transformers are used wherever low voltage needs to be transformed into low voltage.

Rauscher & Stoecklin produces special-purpose transformers such as audio-frequency transformers and rectifier transformers.



Power transformers

Our affiliate ZREW from the R & S Group produces premium-quality power transformers. Each transformer is unique. Voltage level, power rating, climate conditions, sound pressure and many other criterias are precisely tailored to customer requirements.

Railway electrification

R & S guarantees efficient and durable products for the reliable power supply of the overhead line.

In the railway electrification sector we support our customers and partners with a portfolio tailored to the electrification of catenaries:

- Load break switches
- Disconnectors
- Earthing switches
- Drives
- Auxiliary supply transformers
- Force transmission by rod-linkage or Flexball

The switchgears in various designs are available in 15kV and 25kV AC versions. They have demonstrated the highest level of reliability in worldwide installations, even in the harshest ambient conditions such as ice, heat or marine environments. We offer diverse drive systems with a comprehensive range of accessories for the operation of the switches and integration into higher-level monitoring and remote control systems.

We also offer single-phase auxiliary supply transformers for powering local, low-voltage equipment, such as point heating and signalling systems, etc.

Railway — switch installed on portal



High current

Plug-in connections for the reliable power supply of machines.

Our high current plug-in connectors are used wherever large machines and mobile equipment is supplied with current via plug-in connections in industrial applications.

No matter whether on building sites, in docks, in tunnel construction or for many other applications — our plug-in connectors ensure a safe and reliable power supply for your systems worldwide, thus substantially contributing to interruption-free operation. Our portfolio of plug-in connectors encompasses plugs, sockets and junction boxes, and can be used up to rated voltages of 1000 V and rated currents of 600 A.

To ensure maximum safety of personnel and equipment, all plug-in devices are tested in accordance with IEC and have safety characteristics that surpass conventional industrial standards by far. Our high-current plug-in connectors are IP67/IK10 classified to guarantee a reliable power supply even under the most adverse environmental conditions.



Application example, building industry

Diverse protective mechanisms such as touch protection, voltage encoding, intelligent locking systems and many more make Rauscher & Stoecklin plug-in connectors the most reliable products for the building trade. Machines equipped with high-current plug-in connectors:

- Electrically powered material handling machines
- Vibrators
- Conveyor belts
- Mobile construction equipment



Application example, tunnel construction

Rauscher & Stoecklin high-current plug-in connectors are particularly suitable for tunnel construction. The robust housing withstands all environmental conditions, such as high humidity levels, heavy soiling and high degrees of mechanical stress. Equipped machines:

- Tunnelling jumbo
- Concrete pump
- Concrete sprayer
- Mobile distribution transformer stations

Building connection systems

Adapted to your requirements

Future-oriented safety interfaces for modern building connections.

The connection of consumers (buildings for residential, commercial and industrial use) can be achieved in many ways, mainly depending on the local arrangement of the connection. Rauscher & Stoecklin provides customised and optimized solutions for all imaginable variations, which result in increased flexibility for the energy provider and building owner. Our portfolio comprises the following products:

- Building junction box, surface-mounted
- Building junction box, flush-mounted
- Building connection columns
- Other products with special requirements

In old, commercial and industrial buildings as well as in special buildings such as agricultural buildings or infrastructural facilities, the service connection of buildings is normally installed inside the building.

The flush-mounted type ENC building junction box is an elegant, compact and cost-effective variant. The attractively-shaped cover and frame fits flush with the masonry, concrete or outer insulation facades.

The free-standing building connection column of type KVS (see picture below) offers optimal independence regarding the connection by the utility and the building itself.

Building connection columns installed at land boundary



Switch and control systems

Individual solutions

We deliver premium-quality switchgear according to customer requirements.

Rauscher&Stoecklin AG is a long-standing and experienced manufacturer of switch and control systems. We take pride in the continuity of our service, which is based on experience, expertise, a willingness to innovate, and above all on the intensive exchange of information with our customers. Our expert employees are available right from the planning and scheduling stage through to production and assembly of the systems. We support you in the commissioning of your switch and control systems and assist you in all tests. Our service team performs all kinds of on-site modification work at any time of the day. A well-equipped service vehicle is available for these operations.

Planning

In cooperation with our customers we collect the requirements, structure the system and prepare execution proposals. Then we plan the structural shape and define the products to be used.

Realisation / production

With our highly motivated and well-trained workshop team, we realise and produce all switch and control systems in accordance with the statutory framework conditions such as EN and installation standard NIN.

Main distribution in a Bank



Product overview of Rauscher & Stoecklin



Distribution Transformers

Oil-immersed distribution transformers with up to 36 kV and 2.5 MVA (max. 3.15 MVA).

- Hermetically sealed or free-breathing design
- Optionally available with off-load step-changer



Railway switches

Overhead line switches from 15 kV to 25 kV AC and up to 2000 A. Our product portfolio includes:

- Load break switches
- Disconnectors
- Earthing switches
- Motor drives and rod linkages



Power transformers

Power transformers with up to 145 kV and 120 MVA. Tested in accordance with IEC and GOST.

- Step up/Step down
- Converter transformers
- Furnace transformers



High-current connectors

Plug-in connectors and junction boxes from 160 A – 600 A and up to 1000 V.

- Tunnel construction/mining
- Marine applications
- Infrastructure/transport
- Military applications
- Building sites



Cast resin transformers

Cast resin transformers with up to 52 kV and 25 MVA for various applications such as:

- Energy distribution
- Industrial applications
- Railway applications



Building connection systems

Up to 400 A, suitable for T + T and TV.

- Building connection systems, surface-mounted
- Building connection systems, flush-mounted
- Building connection columns



3-phase outdoor switches

- Outdoor pole-mounted load break switches with arcing chamber
- Outdoor pole-mounted load break switches with arcing horns



Switchgear systems

Low-voltage switch and control systems, tested in accordance with EN 61439 and EN 60204.

- Distribution systems
- Testing systems
- Control systems
- Inverter systems

A company of R & S

An international oriented Group

The companies of R&S are united by their long-standing experience in the production of power products and their hunger for progress.

Founded in 2012, R&S is an international group headquartered in Sissach, Switzerland with branches all over the world.

The success of R & S is built on:

- long-standing experience of the associated companies in their respective product sectors
- a highly motivated and excellently trained workforce
- products based on proven technologies that go hand in hand with innovative and efficient manufacturing processes

This results in premium-quality products and the highest possible degree of reliability for our customers.

Companies of R & S

- Rauscher & Stoecklin: Distribution transformers, overhead line switches, high-current connectors
- SERW: High-voltage and medium-voltage switchgear
- ZREW: Power transformers
- Tesar: Cast-resin transformers, instrument transformers



Our subsidiaries worldwide

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