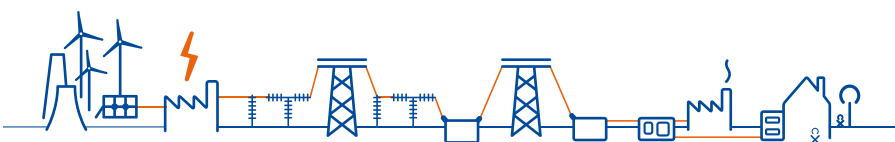


TRANSFORMER SERVICE



SGB-SMIT AT A GLANCE

Combined, more than

415



YEARS OF EXPERIENCE

Basis for know-how and
for know-why

More than

2,000



EMPLOYEES

take care of
your project

In more than

80



COUNTRIES

satisfied
customers



READY FOR YOUR MARKET

The SGB-SMIT Group manufactures transformers for applications worldwide. Sales and service centers on all continents ensure optimum processes.

Our products meet the requirements in accordance with the applicable national standards.



PRODUCTS

- large power transformers
- medium power transformers
- large liquid-cooled distribution transformers
- liquid-cooled distribution transformers
- cast resin transformers
- shunt reactors
- series reactors
- phase shifters
- Lahmeyer-Compactstationen®

Transformers from 50 kVA up to incl. 1,200 MVA in the voltage range up to 765 kV.



QUALITY MANAGEMENT

The SGB-SMIT Group is certified in accordance with:

- DIN ISO 9001
- DIN ISO 14001
- DIN ISO 50001
- OHSAS 18001



TECHNOLOGIES

Technologies for conventional and
renewable energy.

GLOBAL SOLUTIONS FOR THE WORLD OF TOMORROW



A world in transition: power, power generation and power distribution are probably the most important challenges for our future. The SGB-SMIT Group provides you with key technologies and tools worldwide in order to secure markets and to shape the future.

SGB-SMIT GROUP

Together with Starkstrom-Gerätebau, Sächsisch-Bayerische Starkstrom-Gerätebau, Retrasib, SGB-USA, SGB MY, OTC and SMIT Transformer Service, Royal SMIT Transformers B.V. forms the SGB-SMIT Group. This group stands for professionalism, experience, technological knowhow, reliability and economic efficiency – capabilities which enable the group to develop and produce power transformers, ranging from 50 kVA to 1,200 MVA, and voltages up to 765 kV.

The product range includes oil-filled transformers, transverse controls, cast resin insulated transformers, compact stations and compensating and series coils. Mutual exchange of knowledge and experience is encouraged within the group.

Royal SMIT Transformers B.V.

Royal SMIT Transformers B.V. has been at the forefront of transformer manufacturing for more than a century. The combination of extensive experience, strongly leadership, highly motivated and dedicated staff, cutting edge transformer design and engineering and innovative, market driven sales strategies still enhances the century old and world renowned reputation for quality and reliability. At Royal SMIT, the staff, management and share holders collectively take pride in their ability to manufacture quality transformers specifically designed to suite the design and operating requirements of their clients regardless of the location of the client.

“BEST OF BOTH WORLDS“

The SGB-SMIT Group is the result of a merger of locally operating, highly successful medium-sized companies and today represents an efficient international network. A combination which unites the best of both worlds for our customers:

Globally speaking, we offer world-class quality and market know-how. Locally speaking, you benefit from customer focus, lean structures and short distances. This not only applies to planning, but also to manufacture and service alike. Due to close cooperation with our customers, this results in focused development, ongoing structural improvements and optimization of the appropriate service.

Especially when it comes to innovative products such as connecting up offshore wind power plants, the interlinking of international networks or products with special licenses, we are driven by our customers' requirements.

SMIT Transformer Service [STS] utilizes the entire wealth of experience of the SGB-SMIT Group, and by so doing has developed its perfection for the area of transformer services. Transformer maintenance is directly linked to a transformer's operating conditions and is necessary to extend its service life.

SMIT TRANSFORMER SERVICE

SMIT Transformer Service (STS) is the service department of Royal SMIT Transformers B.V. and offers the entire service package for oil and cast-resin transformers manufactured both internally and by external suppliers.



SERVICE ACTIVITIES

"SMIT Transformer Service" is the service department of Royal SMIT Transformers B.V. and is responsible for service, diagnostics, maintenance and repair of oil-filled or cast resin transformers, regardless of the transformer size, make and rating. The specialists in the service department not only work in Nijmegen, the Netherlands but also internationally, where they conduct repair and maintenance work on all types and makes of transformers.

Large-scale repairs on site on both transformers and tap changers are possible. A high voltage test unit also enables testing and diagnostics at site. The location of SMIT Transformer Service, at the harbour on the Maas-Waal channel in Nijmegen, with an exclusive quay offers limitless logistical options for repairs and reconditioning, within their large facilities which includes two vacuum-drying ovens. Here the service team is supported by engineers from the transformer factory.

The service activities include the following:

- Sampling and analysis of oil samples
- Sampling and analysis of insulating paper
- Analysis within our own test laboratory
- Diagnostic measurements
- Status assessments
- Consultation
- Maintenance
- Repair
- General overhaul in the factory and on site
- Tap changer service
- Test and replacement of bushings
- Uprating
- Mobile high-voltage test equipment (FAT and SAT)
- Long-term storage (with oil) on our site
- Delivery of spare parts and delivery of customized parts



MONITORING, DIAGNOSTICS AND CONSULTATION

It is extremely important to be informed about the state of your transformer. In this context, analysis of the oil used is important to determine the transformer's current condition. This is why SMIT Transformer Service offers oil sampling on a regular basis. In case of anomalies, further tests can be performed using a mobile high-voltage test equipment.

This diagnostics enables our technicians to detect anomalies at an early stage by comparing a host of values and determining which transformer parts must be repaired or replaced.

OUR MOTTO IS:

Prevention is better than repair.



APPLICATIONS OF MOBILE HIGH-VOLTAGE TEST EQUIPMENT:

- Site Acceptance Test (SAT)
- Malfunction analysis after an unforeseen failure
- Flexible for all types and models
- Status assessments before and after overhaul or repair

SMIT TRANSFORMER SERVICE



MAINTENANCE

Regular maintenance carried out by the specialists at SMIT Transformer Service increases the operating life of each transformer and thereof limits the risk of unplanned shut downs, failures and load losses. Preventative maintenance prolongs transformer life expectancy. SMIT Transformer Service own and use specialised maintenance equipment, such as an oil filter and regeneration treatment systems, vacuum pumps and mobile test systems. These can be deployed anywhere in the world. The quality of the work of the Royal SMIT engineers and service specialists guarantees the reliability of the transformer.

**YOUR SERVICE-NUMBER:
+31 24 3568 626**





REPAIR

If a transformer has a breakdown, rapid action is required. The professionals at SMIT Transformer Service have years of experience and all the necessary technical support and know-how, to ensure accurate diagnoses and rapid repair. Our technicians are known for their problem-solving ability. The experienced specialists at SMIT Transformer Service are internationally valued for their ability to rapidly respond to emergencies, and their abilities to undertake repairs, often under difficult circumstances 24-hours-a-day, 7-days-a-week.

OVERHAUL

At our workshop in Nijmegen, SMIT Transformer Service features comprehensive equipment for necessary overhaul work, including vacuum ovens and heavy load lifting cranes.



CONTACT



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