

Transformer Services

Preserve
the life
of your
transformers

Schneider
Electric



Global Transformer Services

Designed around the lifecycle of your installation, our Global Transformer Services will help you to optimise the performance of your installed base of transformers. Building on over 90 years of worldwide manufacturing know-how, our Global Transformer Services offer you peace of mind.

Installation and Commissioning

Precision, proven tools and procedures, expert knowledge and experience - these are the pre-requisites for making sure that your electrical distribution installation works as it should right from the start. Without these, you increase the risk of start-up delays and premature equipment failure.

Supervision Schneider Electric has an extensive customer service network manned by experts. They supervise the installation of power transformers as per recommended practices, working closely with either the client or his contractor carrying out the installation.

Realization Depending on their dimensions and the types of shipment involved, big transformers can be delivered partially assembled: isolators, conservators, radiators and other small accessories are delivered disassembled; dielectric liquid is transported in specially treated tanks. Recognised by customers as a preferred single source supplier, Schneider Electric has the specialists to take care of all assembly operations on site, in full compliance with all our procedures.



Trihal - Dry type Cast Resin Transformer



Minera - Oil immersed Distribution Transformer



Minera MP- Medium Power Oil immersed Transformer

On-demand Maintenance

Keeping your MV/LV equipment at optimum performance levels is challenging. You need to adopt the right best practices and minimise downtime, while working with limited budgetary and maintenance resources.

Supply of spare parts We source parts guaranteed by the manufacturer and stock and supply these according to our customers' requirements.

Minor on-site repairs On-site, Schneider Electric's team can perform minor repairs such as:

- Repairing minor oil leaks in the tank or radiators
- Replacing gaskets (requires lowering of oil levels)
- Touching up paint work
- Inspecting and testing protection devices.

On-site electrical testing Following verification that the equipment complies to on site standards, basic tests are conducted such as measurement of transformation ratios, insulation, resistance and losses values, impedance voltage. Inspection and testing of accessories and wiring are also completed as necessary.

In-house repair In our refurbishment facility we:

- Repair oil leaks in the tank or radiators
- Replace gaskets
- Re-paint using Schneider Electric approved paint system
- Test and replace protection devices
- Inspect and clean bushings
- Complete electrical testing.

In-house electrical testing All electrical acceptance tests are carried out in-house according to required standards and customer requests (routine test, type and special test.)

Technical Training

Skilled employees are key to the long-term health of your electrical distribution equipment. But training them - and keeping their knowledge current - can be challenging.

End-users after-sales training Schneider Electric offers training courses for the personnel of end-users, with the aim of maintaining the quality of the installation, thus leading to greater customer satisfaction. The basic training is focused on Installation, Commissioning and Maintenance of all types of transformers, but can be adapted on request to cover the range of products we manufacture.

Improve your transformer performance and your Return On Investment (ROI)

Modernisation

Installing new electrical distribution equipment involves a major financial commitment, so it makes sense to get the best use out of your installed base. Ageing, outdated kit can be modernised, dramatically improving its performance and lifetime, as well as achieving compliance with current regulations.

Factory refurbishment Our factory can carry out even the most demanding of repairs and refurbishments, including:

- Removing transformer core and coils
- Drying the core (to remove moisture from the insulating papers)
- Carrying out repairs to the core assembly
- Carrying out repairs to replace the frame, tank, radiators etc
- Replacing failed components (bushings, auxiliary devices etc)

Oil replenishment Equipped with all the latest equipment Schneider Electric's plants can:

- Perform original dielectric vacuum filling
- Process the active part to replace the original dielectric liquid with a bio-degradable alternative.

Installation Assessment

A comprehensive assessment and evaluation of your installation are key to planning its future. Our installation assessment services combine in depth analysis of the current state of your equipment with expert advice on how to optimise technical performance, safety and maintenance.

Visual inspection & evaluation Based on site wide inspections Schneider Electric will evaluate the current capabilities of your transformer installation against developing needs. The resulting road map will highlight areas for improved plant maintenance and modernisation activities, helping you to prioritise and optimise electrical investments.

Oil sampling and testing For immersed transformers, we take samples of oil for testing. Our analysis covers:

- Colour and visual examination
- Dielectric breakdown voltage
- Presence of PCBs (polychlorinated biphenyls)
- Presence of gases dissolved in oil etc.

End-of-life

Environmental regulations are increasingly stringent and it is more important than ever to dispose of outdated equipment in a way that is both green and transparent.

Recovery of regulated substances Schneider Electric offers a turn-key solution for recovering toxic substances and persistent organic pollutants such as PCBs.

Maximum recycling of materials Ferrous and non-ferrous materials represent 85% of the mass of transformers: separated and cleaned they are recycled in the classical chain of metal recovery.



Maintenance service contracts

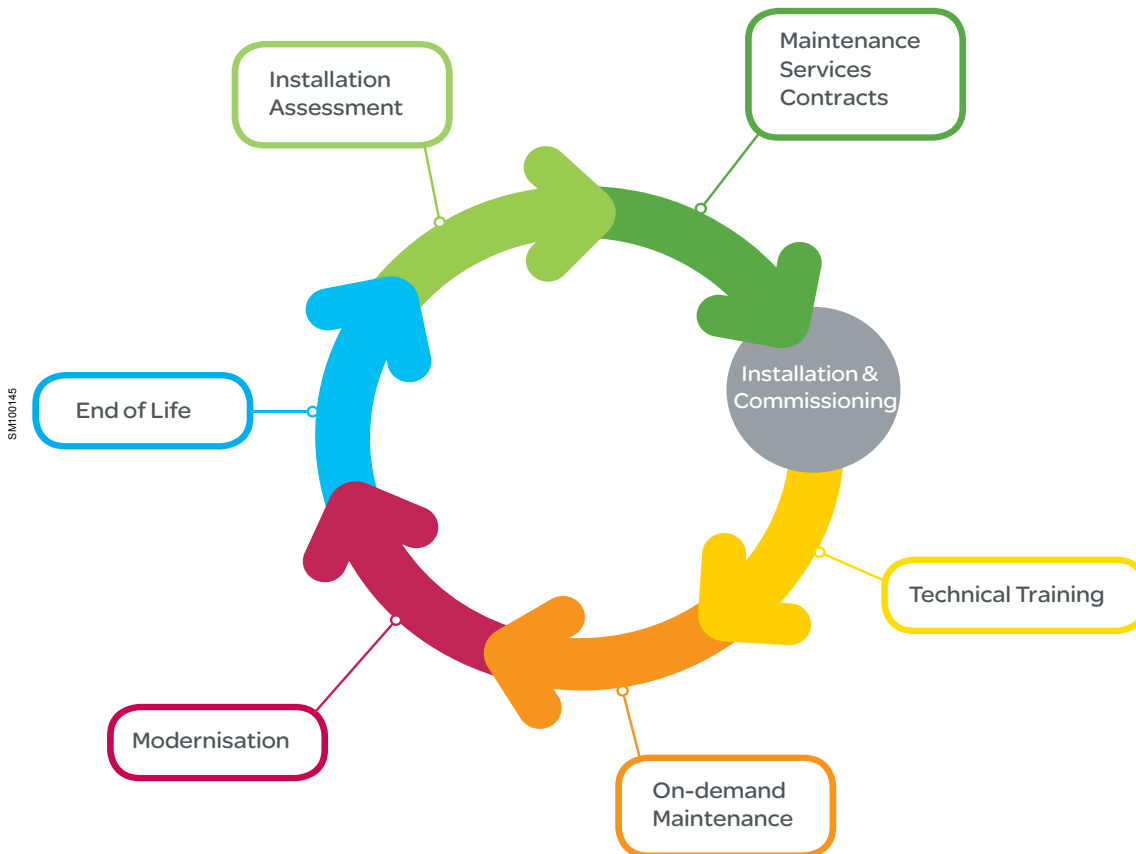
Unexpected downtime can cause significant financial losses. The problem is often compounded by slow to respond repair personnel or equipment that under performs after repair.

24/7 Hotline Our Customer Care Centre responds to all your questions on Schneider Electric products and services. Strong knowledge management and dedicated training programmes equip our Customer Care team with the skills and knowledge to resolve most of the customer queries within 24 hours, impacting directly on your satisfaction.

Emergency on-site intervention These interventions are based on our manufacturing procedures. We only use original spare parts and professional staff which have been trained by Schneider Electric.

What can Transformers Global Services do for you?

Identify your current situation and contact us to find out!



Learn more about our **Installed Base Services!**

Visit www.schneider-electric.com/edibs and download our **FREE** brochures today!

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