

TRANSFORMER MAINTENANCE SERVICES

We're dedicated to ensuring your transformer performs optimally through the provision of a range of testing and maintenance services.

- Transformer oil sampling and testing
- Transformer oil regeneration, both online and offline
- Supply of regenerated transformer oil
- Collection and recycling of old PCB free transformer oil
- Collection and disposal of obsolete equipment
- Vacuum filling of new transformers
- Vacuum drying of transformers, including degassing and removal of particles
- Supply and installation of filtration and dry out systems for transformer windings, tap-changers and switchgear
- Supply of velcon filters
- Management and transportation of PCB transformer oil and hardwaste, including retrofills of contaminated equipment
- Transformer servicing and maintenance, including gasket and bushing replacement
- Refurbishment of transformers onsite
- SD Myers Coursework on Half-Century Transformer Maintenance

Oil Sampling and Diagnostics

Our oil sampling services are conducted by specialised personnel who have vast experience in the electrical industry and can assist with all your diagnostic testing requirements. We have a highly stringent laboratory testing process to ensure our recommendations are based on comprehensive data.



Online/Offline Oil Regeneration

Maintaining the chemical properties of transformer insulating oil reduces the risk of unplanned outages and reduces maintenance costs, while maximising transformer life and reliability.

Online transformer oil regeneration restores oil to an as new condition, as well as removing acidity, sludge and soluble oil decay from the transformer windings and cooling system, lowering operation temperatures and preventing recontamination of the oil.

Onsite oil regeneration of stored waste mineral oil enables the beneficial reuse of a valuable commodity with substantial cost savings. This eliminates oil wastage and reduces your carbon footprint. Our oil regeneration technology uses Fullers Earth and environmentally friendly medium which can be re-activated between 200 and 300 times.

Oil Regeneration Plants

We operate a number of single and multi-column mobile regeneration plants, with the capacity to perform oil treatment on transformers ranging in size from a few hundred litres to in excess of 100,000 litres.



Vacuum Drying and De-gassing Machines for Larger Transformers

Our oil purification heating and degassing plants operate with electric heaters, a high vacuum chamber and particle filters. These plants range in size from 500 litres per hour to 10,000 litres per hour.

This mobile plant can also be used for vacuum filling of new transformers or to top up oil following maintenance work.

Portable Filter Unit

Our portable filter unit is a complete filtration package on wheels. Designed for industrial applications, the unit uses filter cartridges with up to 5000 square inches of filter media.

This unit can be used for:

- The transfer of oil into transformers, cable boxes and tap changers
- Preventative maintenance by routine filtering of oil at machine or transformer reservoir
- Filtration of old oil by removal of dirt and water
- Core dryout on small transformers through the transfer of moisture from the solid insulation to the oil



SD Myers Course

We offer the SD Myers Course in Half-Century Transformer Maintenance, focusing on maintenance of the insulating system in fluid filled transformers. The course provides a foundation for intelligent transformer maintenance, from the basic design and construction, through to life expectancy and extension.

This course is ideal for anyone who is responsible for the maintenance of liquid filled transformers, including electrical technicians and engineers, maintenance managers, engineering management, electrical contractors and service companies.