

SERVICE AND SUPPORT

Wilson Transformer Company has a dedicated team of people for field services with specialised equipment to respond to the full range of transformer installations, maintenance, refurbishment and repair. Our manufacturing facilities also provide us the ability to offer factory refurbishments in Australia, including vapour phase dry outs.



THE TRANSFORMER
PEOPLE

KEY FEATURES

- > Dedicated Service Department
- > Proven Experience and Industry Commitment
- > Customised Life Management Solutions
- > Rapid Response Site Support
- > Industry 4.0 Focused to Improve Customer Experience



Wilson Transformer Company recognises that your transformers are major investments that are designed, manufactured and installed to operate for more than 40 years. Understanding the condition of equipment is essential for strategic planning and efficient asset utilisation.

We specialise in transformer life optimisation utilising off-line and online monitoring and assessment to ensure asset life is maximised. This involves comprehensive transformer audit services to provide accurate condition assessment reports and recommendations for strategic management decisions.

Our ability to provide cost effective and innovative solutions for transformer life management is proven within the industry and is reinforced by our technical teams and manufacturing capabilities.

We operate under strict Quality, Health and Safety, and Environmental Management Systems with all our products and services complying to Australian and/or International Standards.

OUR CAPABILITIES

- Assembly and Pre-Commissioning Testing
- Online Monitoring Solutions
- Transformer Assessment and Maintenance
- Upgrades, Refurbishment and Repair
- Storage and Consignment Management
- Spare Parts
- Oil Sampling, Analysis and Diagnostics

OUR CAPABILITIES (CONT)

Assembly and Pre-Commissioning Testing

- New transformer installations and pre-commissioning
- Specialist transformer diagnosis and testing

Online Monitoring Solutions

- Replacement and upgrade of monitoring and control systems

Transformer Assessment and Maintenance

- Comprehensive transformer audit services for condition assessment
- Strategic maintenance solutions
- Whole of life management with end to end solutions
- Failure investigation and root cause analysis

Upgrades, Refurbishment and Repair

- Factory based refurbishment and repair including rewinds
- Strategic maintenance solutions
- Factory vapour phase or on site dry outs
- Retro-filling solutions for natural and synthetic esters
- Replacement and upgrade of control systems
- Tap changer service, replacement and upgrades
- Transformer relocations
- Cooling layout reconfigurations and upgrades
- Cable box reconfigurations and upgrades

Storage and Consignment Management

- Asset storage management
- Streamlined logistics solutions

Spare Parts

- Strategic supply chain relationships with major component suppliers
- Technical support and sourcing like for like replacement parts
- Manufactured assemblies and components
- Spare parts, accessories and consumables

Oil Sampling, Analysis and Diagnostics

- Oil sampling and testing with a NATA approved lab

EQUIPMENT

Our team is well equipped to respond to the full range of transformer maintenance and repair requirements. To improve customer delivery, we are focused on equipment standardisation and forming strategic partnerships with world leading equipment suppliers to ensure high quality performance and reliability of equipment. Our fleet includes:

- Rapid response fluid processing trucks
- Purpose built test vans with specialised test equipment
- Fully equipped dedicated refurbishment containers for rapid deployment
- Advanced fluid processing equipment up to 9,000L/hour
- Multistage vacuum plants to 2000m³/hour
- High-flow dry air machines



REFERENCES

Power Transformers

MVA	kV	Description
550	500/220	Site Bushing replacement and cooler bank upgrade
330	220/22	Site refurbishment, dryout, reclamping and transformer swapout
136	220/13.6	Site refurbishment, bushing replacement and cooler bank replacement.
150	220/66/22	Site Emergency relocation
150	220/66/22	Factory Inspection and failure analysis
100	220/66/22	Factory Rewind and Tap Changer replacement
100	132/33	Factory 3 phase rewind
3 x 27	132/33	132kV Bushing upgrade
30	66/22	Full factory refurbishment, dryout and bushing upgrade
12	66/11	Factory 3 phase rewind and tap changer replacement

WILSON TRANSFORMER COMPANY PTY LTD

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Built Smart for Life