Your trusted partner of choice throughout the transformer lifecycle
Your trusted partner of choice
Providing services throughout the complete transformer lifecycle

Due to the long lifetime of transformers, service and lifecycle management are highly critical to ensure reliable operation and the longevity of your assets.

Supporting you in your daily business:
- Over 100 years of experience in manufacturing transformers, bushings and tap-changers
- Over 100 years of experience in servicing power transformers of any design and brand
- Largest transformer manufacturer
- Largest global installed base of transformers
- Customer connect center available 24 hours a day, 365 days a year

Reducing complexity of your operations:
- Our archives contain technical information for more than 30 legacy brands

We are by your side supporting you by addressing your specific needs throughout the complete life of your transformer:

For all types of transformer application:
- Power transformers
- Distribution transformers
- Traction transformers

In all segments:
- Offshore renewables
- Industry
- Data centers
- Utility and power generation

Throughout the complete transformer lifecycle
By your side

Addressing your specific needs

Probability of failure of installed transformers increase with age.

Undertaking recommended inspection and testing of the transformer quantifies condition and provides warning of developing failure.

We can support you in planning and executing the right action at the right time.

Flexible range of services adaptable to your needs

Individual preventive, or corrective services

Spare parts management

Packaged services
  • TX Life and TXpert™ offerings

Long term service agreements
  • Transformer care offerings
Early life services

Our teams have extensive experience in delivering and installing any type of transformer in all parts of the world. We are by your side during the warranty period, giving you a worry-free experience. The combination of highly qualified technicians, local expertise and high quality equipment ensures safe, efficient and sustainable service.

We can also partner with you and train your own operators, engineers, and technicians, helping you to maintain the skills and technical expertise needed for managing your asset base and help you to meet your reliability and performance goals.

Delivery

Get your new transformer delivered on time and in line with your project requirements.

Be sure about safe off loading ensuring smooth startup of installation.

Installation and comissioning

Get trouble-free startup with installation and commissioning done by factory-trained experts and qualified technicians.

Spare parts management

Have critical spare parts such as bushings, tap-changer contacts, relays, gaskets and other components on hand and significantly reduce downtime of your transformer.

Training

Get on site knowledge transfer on correct operation and maintenance ensuring your new asset operates as expected.
Operational life services

TXpert™ services

Digital monitoring improves reliability of the assets by constantly keeping a watchful eye on the most critical transformer components. Whether it is remote condition monitoring or diagnostics.

Get access to real-time condition information with our TXpert™ Services based on data and intelligence of the transformer TXpert™ Ecosystem and assure you can plan and act before faults occur.

Preventive maintenance

Regular inspection and testing according to the manufacture recommendation provides early detection of any evolving failure and allows timely outage planning to diagnose further and repair as necessary.

<table>
<thead>
<tr>
<th>Recommended services</th>
<th>TX Life packages services</th>
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<tbody>
<tr>
<td>Oil analysis (Oil quality, DGA)</td>
<td>TXpertTM services</td>
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<tr>
<td>Operating parameters</td>
<td></td>
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<tr>
<td>• Oil, winding and ambient temperature</td>
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<tr>
<td>• HV, MV, LV current and voltage</td>
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<tr>
<td>• Vacuum &amp; nitrogen pressure (sealed transformers only)</td>
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<tr>
<td>• Thermal scan (optional)</td>
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<tr>
<td>Physical condition</td>
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<td>• Oil leakage, dirt, dust and corrosion</td>
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<tr>
<td>• Breathers; Liquid levels</td>
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<tr>
<td>• Bushing and tap-changer inspection</td>
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<tr>
<td>• Coolers and fans; Flow indicators and pressure meters</td>
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<tr>
<td>Protection and control</td>
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<tr>
<td>• Gas operated relays</td>
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<tr>
<td>• Sudden pressure relief valve</td>
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<tr>
<td>• Control cabinet and connections</td>
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<tr>
<td>Tap-changer maintenance</td>
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<tr>
<td>Functional electrical testing</td>
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<tr>
<td>Advanced electrical testing</td>
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Additional maintenance services

Transformer submersible internal inspection robot
Bushings diagnostics quantifying risk of failure
Tap-changer inspection and maintenance
Fleet condition assessment and maintenance plan

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<tr>
<th>TXpertTM services</th>
<th>TX Life packages services</th>
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<tbody>
<tr>
<td></td>
<td>Essential</td>
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<tr>
<td>No outage</td>
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<td>Outage</td>
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Upgrade and end of life services

Once a fault is detected, repairing a transformer can substantially reduce investment costs and provide faster turnaround than buying a new one.

In case your needs have evolved during the operational life, we can also upgrade transformers or individual components to better fit your use.

Providing feasibility studies, work at site and parts. Finally our teams can support in the sustainable disposal of your old unit and help you start-up a matching replacement.

Repair

Repair a transformer instead of replacing it - be it directly at site or in-house, in one of our large number of transformer workshops.

Rely on our leading technology site repair capability.

Bushing and tap-changer

Maintain or upgrade to the latest technology and mitigate risk. Rely on our expertise in condition assessment, replacement and retrofit installations.

Upgrade and retrofit

Improve efficiency and sustainability with upgrades such as oil-type change, cooling system upgrade, component change to prolong the life of your asset.

Disposal and replacement

Safely dispose and recycle your aged transformer and install matching design replacement with our packaged service solution: TX Life Replace.
Long term service agreements
Transformer care

Transformer Care are flexible modular long term service agreement packages delivering required reliability and availability over full transformer lifecycle.

Partner with us to cut service complexity, control cost, and maximize capital efficiency.

- Benefit from faster deployment to site
- Optimize spare part procurement
- Optimize maintenance of your unit/fleet
- Consult engineering knowledge on more than 30 transformer brands

Rapid response

Fast and flexible service maximizing equipment availability.

Service include: Pre-agreed terms and pricelist.

Lifecycle management

Knowledge and expertise to optimize spend and extend equipment life.

Service include: scheduled yearly activities based on condition assessments.

Performance improvement

Advanced digital tools to increase asset utilization and productivity.

Service include: scheduled yearly activities based on digital sensors and our advanced Asset Performance Management software (APM Edge).

Nursing

Extend operation of sick transformer with online monitoring and expert support.

Service include: rental of monitoring equipment and consulting.
Global presence
24/7 availability of our experts