

TRANSFORMER solutions



We offer a complete package of services for power transformers and load tap changers - including testing, commissioning, maintenance, repair, dehydration, upgrades, diagnostics, and lifecycle support.

Saber Power Field Services provides comprehensive service for power transformers and load tap changers (LTCs), supporting assets from low-voltage pad-mounted units to 765 kV transmission-class equipment.

From installation and commissioning to diagnostics, repair, life-extension, and capacity upgrades, our team delivers full lifecycle support—ensuring reliability, performance, and long-term asset protection.

In critical power environments, transformer failure is not just an equipment issue—it is an operational risk. Our services are structured to reduce unplanned outages, support planned shutdowns, and provide rapid field response when system reliability is on the line.

Power You Can Depend On

When transformer reliability is critical, experience and execution matter. Saber Power Field Services combines advanced diagnostic capabilities, highly trained field technicians, and company-owned equipment to deliver responsive, technically rigorous solutions—whether during a planned outage or an unexpected event.

Backed by the engineering depth and project execution strength of Saber Power, our transformer and load tap changer services integrate seamlessly into broader system upgrades, substation projects, and turnkey EPC programs. From routine maintenance to complex field rebuilds and emergency response, we provide the expertise and field presence required to keep your power systems operating safely, efficiently, and without interruption.



Outage Mitigation & Rapid Response:

Saber Power Field Services supports utilities, industrial facilities, and large commercial operations with proactive and emergency transformer services designed to minimize downtime.

- Pre-outage inspections and diagnostic testing
- On-site field service teams for planned turnarounds
- Emergency troubleshooting and fault analysis
- Rapid mobilization for leak repair, LTC issues, and fluid processing
- On-site oil processing and dehydration to avoid equipment removal
- Field repairs that reduce the need for costly transformer replacement

Our ability to self-perform testing, oil processing, mechanical repair, and commissioning allows us to streamline outage schedules and return critical equipment to service safely and efficiently.

Testing & Diagnostic Services:

We perform advanced electrical and mechanical testing to evaluate transformer condition and verify operational integrity:

- Power factor testing (windings and bushings)
- Transformer turns ratio (TTR)
- Sweep frequency response analysis (SFRA)
- Winding resistance, excitation, and insulation testing
- Impedance testing
- Induced high-voltage testing
- CT testing (ratio, polarity, saturation)
- Dissolved gas analysis (DGA)
- Oil testing, analysis, and processing
- Acoustic/ultrasonic partial discharge detection
- Infrared thermographic scanning
- Fault analysis

For more information on Transformer Solutions, including Success Stories, & more, visit our website!



Oil Processing & Fluid Services:

- Vacuum fill and oil processing
- Hot oil treatment
- Dehydration and degassing
- De-sludging
- Fuller's earth oil reconditioning
- Fluid retrofills (including biodegradable options)
- PCB changeouts

Installation, Rigging & Commissioning:

- Full haul, rig, set, and assembly
- Vacuum fill and energization support
- Start-up and commissioning services
- Repair to original specifications

Load Tap Changer (LTC) Services:

- LTC inspection, maintenance, and repair
- Retrofit of legacy LTCs to vacuum-interrupting designs
- Control upgrades and communication integration

Mechanical Repairs & Component Replacement:

- Bushing replacements
- Leak repairs and re-gasketing
- Valve repair and installation
- Gauge and meter repair/replacement
- Pressure clamping
- Transformer cleaning and painting
- Encapsulation services

Upgrades & Life-Extension Solutions:

- Increased capacity through added cooling fans
- Enhanced cooling with added circulation pumps and filtration
- Control system modernization
- Online monitoring and diagnostic system integration
- Communications upgrades

Maintenance Agreements:

Saber Power Field Services offers customized maintenance agreements designed to support reliability planning, budget forecasting, and long-term asset management. Proactive maintenance reduces the likelihood of forced outages and helps facilities maintain compliance with manufacturer and industry recommendations.

