Transformer Field Services

Service Solutions For your T&D Infrastructure

In addition to being a global technology leader in transformer manufacturing, Siemens provides installation and after-market services on large power transformers through our U.S. based transformer services group.

We provide a factory-trained project engineer and an experienced crew committed to supplying you with complete life-cycle services from equipment installation to maintenance and ultimately replacement.

Typical Services Provided:
- Turnkey Installation & Replacement
- Assembly, Vacuum Oil Fill, & Testing
- Bushing & Cooler Changeouts
- Relocation
- Regasketing, Leak Repair
- Oil Filtration & Refurbishment
- Load Tap Changer Maintenance
- Condition Assessment
- Monitoring Systems
- Spare Parts Management

State of the Art Equipment:
Our processors can efficiently and competitively handle units 765kV or greater. Transformer oil passed through our processors meets most OEM’s specifications with one pass.
- Baron’s Vacuum Oil Purifier / De-gasification Trailers Equipped with 171 CFM Tandem Vacuum Pumps with AOV Isolation
- 30 GPM Oil Filtration with Full Degassing Capabilities
- 350kW Auxiliary Power
- Total Gas Content Monitor
- 192 KW Heater System
- Two Oil Filtration Systems
- Hydro-bloc Dry Air System
- Oil Testing Capabilities on Trailer

Customer Benefits:
- Single source supplier with no 3rd parties to coordinate
- Augment your in-house service capabilities
- Comprehensive project management with access to OEM engineering departments
- Most advanced equipment available
- Improved transformer reliability and performance
Transformer Installation

We provide an experienced project engineer and field crew for our installation projects. Our crews work to stringent procedures for installation, oil-filling, and testing in-line with the following:

- Approval inspection of the transformer and inventory of all the components detached for shipment
- Assembly and preliminary testing in preparation for oil-filling:
  - Ratio and Polarity of Current Transformers
  - Bushing Power Factor and Capacitance
  - Core Ground Resistance Test
  - Ultra-Sonic Leak Detection of Tank and Fittings
  - Positive Pressure Leak Test
  - Vacuum Leak Rate Test
- Transformer processing and oil-filling per Siemens or customer specific procedures and standards
- Final approval testing to include a complete assessment of the transformer and transformer oil:
  - Transformer Turns Ratio
  - Insulation Power Factor
  - Insulation Resistance of Both Windings and Core
  - Functional Testing of all Protection and Control Circuits
  - Oil Dielectric Strength – ASTM D1816 & ASTM D877
  - Oil Moisture Content – ASTM D1533
  - Oil Total Gas Content – ASTM D2945
  - Interfacial Tension – ASTM D971
  - Acidity/Neutralization Number – ASTM D974
  - Frequency Response Analysis (if required)

Contact Us

To find out how these Services may give you a competitive advantage, please contact your local Siemens sales representative or (800) 347-6659.

Siemens Power Transmission & Distribution, Inc.
Service Solutions Division
7000 Siemens Road
Wendell, NC 27591

Visit our website:
www.usa.siemens.com/energy

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