

# Electrical Services: Motor & Generator



SWTS is an independent technical service provider, offering multi-discipline engineering and industrial products and services. With the accumulation of more than 40 years of experience with all types of electrical motors and generators, we are well-equipped to provide these services:

#### Repair, Overhaul and Rebuilding:

- Large AC & DC Motor
- Traction Motor
- Generator
- Elmagco Brake
- Mud Pump & Rotary Table
- Power Transformer
- Hermetically Sealed Motor
- Cryogenic Motor
- Explosion-Proof Motor

## Certifications and Accreditations

- Explosion Proof Motor Repair EEx d/de, e, n, p
  - IECEX CoC Certified Service Facility
- Underwriters Laboratories Inc. Certified for Listed Rebuilt Electrical Motors for Hazardous Locations



# SWTS: Electrical Services

## Knowledge and Service Capabilities



- Low Speed Salient Pole Rotor Rewind
- Dry Ice Cleaning
- Sleeve Bearing Inspection
- Laser Alignment
- Stator Core Restacked
- Core Loss Test
- Steam Cleaning
- Chemical Cleaning
- Refurbishment of Motor and Generator
- Partial Discharge and Tan Delta Test
- Vibration Measurement
- Load Testing
- High Power Motor Test Set (Up to 1200A)
- AC/ DC High Potential Test
- Surge Comparison Test

## Our Service Promise



- Quick Response
- Timely Delivery
- Round the Clock Service
- Project Management
- Professional and Skilled Engineers
- Able to Work in Both Workshop and Onsite

## Shaft Replacement



• Rotor Shaft Insertion

• Fabrication of New Rotor Shaft

## Motor and Generator Rewind

- Rewinding “B” Stage Resin Hot Press Coil
- Freon Resistance Varnish Treatment
- VPI Process



## Upgrade and Refurbishment



Before



Before



After



After

# SWTS: Electrical Services

## Knowledge and Service Capabilities

### OEM Partnership/ Collaboration



Repair 3.8MW 75 tons  
INDAR Submersible Motor

Overhaul of 35MVA BRUSH  
Generator

Overhaul of 25MVA  
TOSHIBA Generator

Rewind of 3050kW 20P  
SIEMENS Synchronous Motor



### Safety, Compliance and Professional Bodies

- bizSAFE Level Star
- ISO 9001
- Members of EASA
- Institute of Electrical and Electronics Engineers



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Have any questions? We'd love to hear from you.



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