



One Line. One Company.



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**Safety is Our
Number One Mission
and Priority**

**The Largest Field Service
Technical Group in the Industry
that Never Compromises Safety**

Rotating Machinery Services

**Motor and Rotating
Machine Field
Service Experts**

**The Most NETA
Certified Technicians
in the Industry**

Contact us at www.shermco.com or to find a location near you

**Shorten Outage
Time with Shermco's
Turnkey Solutions**



Scope of Rotating Machinery and Field Services

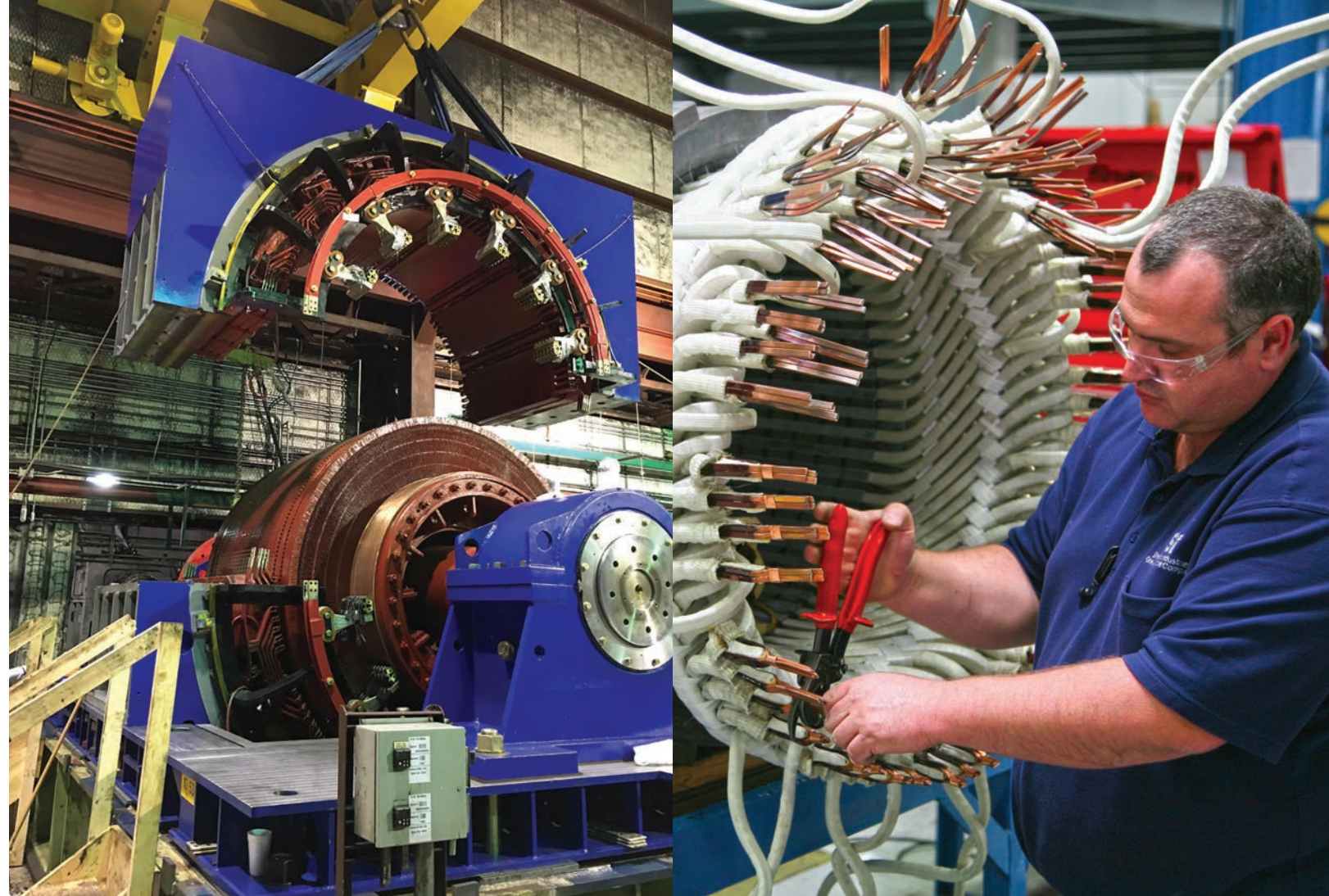
- ✓ EASA accredited ac machinery repair
- ✓ 110,000 SF service facility in Irving, Texas
- ✓ Additional services in Saint Paul, Minnesota
- ✓ AC motors to 15 kV
- ✓ DC motors and generators
- ✓ AC generators to 12 MW
- ✓ Utility scale wind turbine generator specialists
- ✓ ISO 9001:2015
- ✓ UL certified repairs
- ✓ Air turbine and blower service and remanufacture
- ✓ Advanced Energy PEV efficiency certification
- ✓ API compatible insulation system
- ✓ International field services
- ✓ Authorized factory services for multiple OEMs

Motors and rotating machines are in our DNA.

Since 1974, Shermco Industries has provided innovative and affordable reliability solutions for industrial electric motors, generators and other rotating machinery. Driven by the industry need to not just repair, but improve performance and long-term dependability, Shermco technicians have the field service knowledge and experience to repair, maintain and provide proactive maintenance practices for any large industrial, utility or commercial facility. Our focus on advanced predictive testing technologies as well as rapid failure analysis and correction has proven invaluable to many customers in expanding or supplementing their own reliability programs.

In-shop motor repair and remanufacturing services.

Shermco also offers reconditioning and remanufacturing at our EASA accredited service centers for machines up to 15kV. Large machining capabilities, advanced cleaning technologies and better-than-new, proven insulation systems represent just a few of our ISO 9001-2015 managed best practices to assure the most dependable repairs in the industry. We have a long history with AC synchronous machines and DC motors



as well as AC induction machines and offer rapid turn-around for critical applications where down-time is often more expensive than the repair.

The complete resource for all motor applications.

There is always a device to control motors and generators and Shermco sells and services those as well. Whether it is a simple across-the-line motor control center or a sophisticated MV drive system, we are certified to design, install and service multiple brands for most industrial applications. So, whether it is a factory certified technician to get you back on line, or full engineering support for a new or upgraded installation, we have the experience to make the process efficient and easy.

New equipment sales, service and instillation.

Speaking of new or replacement equipment, Shermco inventories hundreds of motors and drives from many major manufacturers and we have years of experience in helping customers with application questions. Whether you operate a mill, an electronics plant or are an OEM building air moving equipment, we can simplify your problem by supplying the right information and the right equipment at the right time.

Safety is one of our core values.

Safety is not just a sign on our shop walls. It's our personal commitment and an integral part of the Shermco culture. All of our service technicians are trained with safety as job one and every Shermco employee is empowered to "stop work" if safety hazards are present.



Shermco Offers Certified Rotating Machine Services Repair, Replacement, & Remanufacturing in the Field or in Our Shop Locations.

Certified Field Service Repair

- Turn-key installation service
- Mechanical repairs
- Bearing inspection and replacement
- Lubrication and sleeve bearing services
- Electrical winding repairs
- Cooling system testing and evaluation
- Maching, commutator turning, and undercutting
- Collector ring assembly repair and upgrade
- Air turbine repair
- Shaft voltage mitigation
- Laser alignment and live trend monitoring
- Field balancing of motors, fans, pumps, etc.
- Oil and grease diagnostics and analysis
- Generator load bank testing
- Surge testing and failure cause analysis

NETA-Certified Reliability Testing

- Vibration analysis - route based or continuous
- Current signature analysis and voltage signature analysis
- Surge comparison and insulation-resistance testing
- Periodic and continuous partial discharge testing, pole balance testing, turn to turn voltage drop testing, phase resistance/inductance testing, step voltage testing, high potential testing, RTD resistance testing
- Torque ripple and eccentricity analysis
- Condition based lubrication programs
- Infrared, ultrasound, and mechanical evaluations
- Grounding systems
- Alignment verifications
- Maintenance planning and frequency analysis
- Power quality and harmonic analysis
- Installation of motor testing portals
- Spare motor maintenance

Generator Remanufacturing Services:

- SO 9001-2015 process control
- Standards at or above EASA AR1000
- Proven efficiency verification - advanced energy
- EASA-accredited service center
- Dedicated quality control department
- Large motor specialists
- Failure analysis and reporting
- General overhaul to complete remanufacturing
- Insulation system upgrades
- VPI class H system up to 7.2 kV
- Complete rewinds up to 13.8 kV
- Core loss testing and analysis
- Stator and rotor lamination repair
- Dynamic balancing to 25,000 lbs.
- In-house engineering support
- AC and dc specialists
- Automated reporting process
- Complete machine shop capabilities