



INTEGRATED SOLUTIONS
LEGENDARY SERVICE

CORPORATE PROFILE

WORLDWIDE SERVICE SINCE 1983

L & S Electric offers many services: in-shop and on-site rotating apparatus repair, power services, reliability services, new equipment sales, rail repair services, power control solutions, and control panel manufacturing.

Rotating Apparatus Repair

- Motor and generator repair
- Motors and generators to 15,000 HP
- AC/DC, wound rotor, & synchronous motors
- Mechanical repair services
- Pumps, valves, gearboxes, & blowers
- Motorized pulleys
- Machine shop services

On-Site Rotating Apparatus Services

- Motor/generator repair, rewinding, testing, and reconditioning
- Rigging, millwright, & crane services
- Base modifications and fabrication
- Babbitt bearing inspections
- Dry ice cleaning
- In-place rewinding
- Installation, replacement, removal, installation and commissioning
- Laser alignment
- Motor and generator testing
- Slip ring and commutator turning and maintenance
- Turnkey services
- Vibration analysis
- High voltage generator and motor testing

Power Services

- Switchgear, circuit breaker, and disconnect service
- Power distribution system engineering and installation
- Arc flash analysis
- Transformer service
- Protective relays
- AC/DC drive repairs
- Motor winding analysis
- Thermographic surveys
- Ultrasonic testing
- In-house printed circuit board repair

Reliability Services

- Predictive & mechanical maintenance
 - Vibration analysis programs
 - Motor current signature analysis
 - DC motor brush surveys
 - Electro-static discharge testing
 - Ultrasonic wall-thickness surveys
 - Ultrasonic compressed air leak surveys
- Corrective services
 - On-site dynamic balancing
 - Laser shaft alignment
 - Laser belt pulley alignment
 - In-place slip ring turning
- Specialized analysis work
 - Root cause bearing failure analysis
 - Laser vibrometer readings
 - Multi-channel real-time vibration analysis
 - Operation deflection shape analysis
 - Sound level analysis
 - Provision/installation of permanently mounted transducers

New Product Sales

- Dozens of manufacturers represented
- Electric Motors
 - AC/DC
 - Servo
 - Vector Duty
 - Explosion Proof
 - Brake Motor
 - Medium Voltage
 - Permanent Magnet
- Variable Speed Drives
 - AC Drives
 - DC Drives
 - Medium Voltage
 - Servo Drives
- Bearing Protection
- Circuit Protection
- Enclosures
- Encoders
- Gearboxes
- Line Filters/Reactors
- Motor Bases
- Motor Control Centers
- Soft Starters
- Substations
- Switchgear
- Transformers
- UPS/Generators

Power Control Solutions

- OEM Panel Manufacturing
- Fossil Fuel Power Generation
 - Digital Excitation Systems
- Municipal and Heavy Industrial
 - AC Synchronous Motor Excitation Systems
- Hydroelectric Power Generation
 - Digital Hydraulic Governors
 - Digital Excitation Systems
 - Unit and Plant Control Systems
 - Protection Systems



Appleton
800.283.5564

Iron Mountain
800.562.7105

Power Solutions
877.258.5128

Chippewa Falls
888.882.7012

Minneapolis
800.290.9320

Rothschild
888.246.1249

Schofield
800.283.8332

Sturtevant
800.367.7676

www.lselectric.com