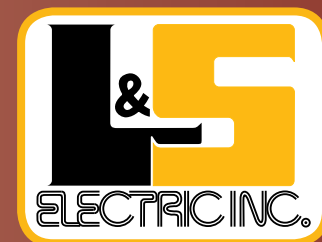


Hydroelectric Generator Repair Services



Dedicated People, Quality
Products, and Above All, Service.

L&S Electric specializes in solutions for hydroelectric generators which includes repair, field, and engineering services. Regardless of brand, we service and repair all generators by using a complete set of diagnostic tests including MCE, PdMA, surge, HIPOT, Doble, and EL CID testing.

- Class-F insulation system design exceeds industry standards
- When possible, increased amounts of copper used to improve performance
- Better coil blocking and bracing to minimize insulation degradation and extend the life of the unit
- We VPI the rotor field poles, giving the field poles greater strength and improve longevity
- Winding redesign for increased voltages and/or output.
- Epoxy varnish and insulating paints for tough, durable coating with excellent insulating properties.
- Rigorous in process testing on each rotor field pole during re-insulation and stator coils during installation.
- If you are operating an older hydroelectric generator, L&S Electric can engineer a significant upgrade providing high-efficient, reliable, and durability.

Our hydroelectric generator repair services include:

Stator

- New rewinds
- Repair damaged coils
- Replace laminations
- Surge ring upgrades and installations
- Lamination repair
- On-site dry ice cleaning
- RTD Installation
- EL CID core testing
- High voltage generator testing (includes Doble testing, dissipation testing, power factor testing, and tipup testing)

Rotors

- Field pole overhaul
- Field pole re-insulation
- Collector ring overhaul
- Manufacture new collector rings and leads
- Dry Ice Cleaning

Bearings

- Sleeve bearing repair
- Guide bearings
- Tilt pad bearings
- RTD Installation

Exciters

- Rewind and re-insulate field poles
- Turn, Undercut and balance armatures
- Rewind armatures
- Refill/Replace commutators

Generator Up-Rate and Design

Overhaul Brush Rigging

Manufacture New Insulators

Turnkey Generator Disassembly and Assembly Services



www.lselectric.com

SCHOFIELD

715.359.3155 or 800.283.8332

DULUTH

218.729.3375 or 800.943.9549

APPLETON

920.730.0203 or 800.283.5564

MENOMINEE

906.864.2500 or 800.864.2507

STURTEVANT

262.886.1875 or 800.367.7676

MINNEAPOLIS

763.780.3234 or 800.290.9320

ROTHSCHILD

715.359.4860 or 888.246.1249

HYDRO SOLUTIONS

715.359.0551 or 877.258.5128