Leppert-Nutmeg Inc.

Hydro Generator Repair

The Hydro Industry's Premier Facility
Improve Generator Performance
- New class F sealed coils for 4160 vols and below
- New hot pressed coils for 6.9KV and above
- Increased copper and reduced losses

Increase Generator Longevity
- Highest quality materials
- Modern Insulation
- Virtually eliminate corona discharge
- Rigorous in process test of stator coils

New Generator Cores
- Reduced operating temperatures
- Modern M19/C5 electrical steel
- Reduce unit loses

- Repair damaged coils
- Replace laminations
- Surge ring upgrades & installations
- Iron repair
- Installation of RTD’s

2 YEAR WARRANTY ON ALL REWINDS!
Rotating Field Refurbishment

- Class F EPOXY VPI insulation system for field poles
- New modern pole collars
- Connection tabs replaced on every pole re-insulation
- Coils sealed after re-insulation to protect from harsh environments
- Exciter Refurbishment & Rewinds (Fields & Armatures)

- Field pole overhaul
- Field pole re-insulation
- Collector ring overhaul
- Manufacture new collector rings & leads

Rigourous testing during re-insulation.
Our longevity in the industry gives us special expertise in older, small hydroelectric generator repair. Hydro owners and power producers throughout New England call us with their small hydro generator needs. Leppert-Nutmeg has a reputation for improved maintainability and generator reliability.

With the northeast’s aging infrastructure, Leppert-Nutmeg has developed a niche service repairing older, small hydro generators. Many of the units we repair were put into service at the turn of the century. The units present unique challenges including manufacturing parts that are no longer in existence and rewinding units without original electrical performance data. Despite these challenges, we routinely increase unit performance.
Reduced downtime, increased cost savings-
Electrical equipment, generators, printers and other equipment can be immediately put back into service.

No messy clean up-
CO2 pellets evaporate upon contact. All that needs to be removed are the remnants of the removed materials.

Environmentally safe and reduced disposal costs-
Non-toxic CO2 simply evaporates into the air, leaving no hazardous chemical disposal.

Reduced likelihood of mildew or mold-
Conventional liquid cleaning methods leave the possibility of mold and mildew generation from water vapor or moisture.

Equipment is protected from pitting and erosion-
Unlike sandblasting or other abrasive methods, there’s no need to worry about harming equipment that has sensitive tolerances and surface integrity.

More thorough cleaning ability-
Our dry ice cleaning equipment is smaller and more portable than traditional units, allowing us to come to your facility and get into hard-to-reach places that conventional units can’t.

On-site service-
Leppert-Nutmeg's dry ice cleaning crew comes to your facility, minimizing downtime.

Dry ice cleaning: making it vanish into thin air!
Our approach is to:
Understand and then meet our customer's needs,
contribute to their success,
and be their preferred supplier
while continuously improving everything we do.

Customer satisfaction is our #1 priority!

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