

WE KEEP ELECTRIC MOTORS AND GENERATORS RUNNING

REPAIR SERVICES

Motor & Generator Repair

- AC motor repair thru 10,000 HP
- DC motor repair thru 7,000 HP
- 7 ft. VPI—100% solids epoxy resin
- 20-ton crane capacity
- Precision balance stand up to 15,000 lbs.
- UL® certification
- Stator and rotor restacking
- Commutator profiling and resurfacing
- AC & DC motor redesign

Motor & Generator Rewind Technologies

- "Global VPI" Stator Rewinds
 - PowerLok™ up to 7.2 kV with 1-year warranty
 - PowerSeal™ up to 7.2 kV with 5-year warranty
 - MegaSeal™ up to 15 kV with 5-year warranty
- "B-Stage" Resin-Rich Stator Coils
 - IntegraCoil™ up to 15 kV with 1-year warranty
 - HydroCoil™ up to 15 kV for hydro generators

Specialty Motor Repair

- Synchronous, brush and brushless
- Wound-rotor AC
- Motor/Generator sets
- Generator rewinds—Hydro and Wind
- Hermetic, Submersible and Vertical motors
- Mill duty, Runout table and Annealing furnace fan motors
- Explosion proof
- Variable speed/High-efficiency AC
- Navy and Marine
- Traction equipment

Authorized Warranty Repair

- | | | |
|-----------|--------------|--------------|
| • ABB | • ATB Morley | • Baldor |
| • Dodge | • Reliance | • Sicomotori |
| • Siemens | • Toshiba | • WEG |

Motor & Generator Testing

- Full load testing thru 800 HP
- Run testing to 4,160 VAC / 700 VDC
- Motor Circuit Evaluation (MCE)
- Core Loss Test (Computerized)
- Vibration Analysis (Spectral)
- Thermography
- Polarization Index Test
- Locked rotor testing
- Resistivity, Hi-Pot (AC & DC), Megger®, Surge test

Mechanical Repair

- Gear reducer rebuilding
- Pumps—centrifugal/submersible/vacuum
- Gear motor, clutches, brakes
- Fans, blowers, heat exchangers
- Mechanical adjustable-speed drives
- Milling—Vertical and Horizontal
- Pressing—up to 300 tons
- Brush electroplating
- Welding—MIG/TIG
- Parts manufacturing (shafts, bases, housings)

Electronic Repair

- Circuit boards—all manufacturers
- AC & DC drives, operator interfaces, servo controls
- PLCs, I/O modules, power supplies, instruments

Transformer and Reactor Repair

- Dry-type transformer repair thru 30 kV, 10 MVA
- Low-voltage, high current transformer repair
- Water-cooled transformer repair
- Dry-type reactor repair thru 30 kV



PowerSeal™ VPI Rewind



Run testing to 4,160 VAC / 700 VDC



Transformer and Reactor repair



Motor Circuit Evaluation (MCE)

FIELD SERVICES

On-site Services

- Installation and commissioning
- Motor and generator rigging and removal
- Emergency and outage support
- Motor Circuit Evaluation (MCE)
- Cryogenic "dry ice" cleaning
- Laser alignment and bearing current detection
- Vibration analysis
- Thermography
- Oil analysis and lubrication programs
- Mechanical balancing
- In-place commutator turn and undercut
- AC & DC motor and generator repair
- Stator and armature rewinding

Performance Improvement Services

- Maintenance assessments
- Preventive, predictive maintenance programs
- Condition monitoring
- Motor, pump, gearbox management
- Motor efficiency studies
- Contingency planning
- Reliability engineering
- Training programs
- Inventory/Project management

Motor Storage Programs

- | | |
|-------------------------|---------------------|
| • Climate-controlled | • 40,000 sq. ft. |
| • 15-ton crane capacity | • Meggered windings |
| • 24/7 on-call service | • Shaft rotation |

Chicago Service Center
17001 South Vincennes Road
Thornton, IL 60476

800.978.4559
708.877.5310
708.877.6516 (FAX)
www.ips.us

WE KEEP ELECTRIC MOTORS AND GENERATORS RUNNING

PRODUCT SALES

AC & DC Motors—NEMA and Above NEMA, Gearmotors, Parts



Authorized Reliance OEM Replacement Parts

AC & DC—Coils and Armatures



- AC stator coils (up to 15 kV)—IntegraCoil™ B-stage hard coils, VPI and sealed coil systems
- AC rotating fields—edge and wire wound
- DC armature coils—VPI, dip and bake and sealed coil systems
- DC field coils—Shunts, Series, Compound, Rotor Bars, I-Poles
- Specialty coils (brake, transformer, etc.)

CNC Precision Machined Parts



- Shafts up to 23" diameter and 80" long
- Milling up to 20" x 40" plate—Flats and Hex parts
- Hole drilling and tapping
- Keyway machining
- Digital Bore gauges
- 3D CAD/CAM

Unit Exchange & Remanufacture Programs



- Dodge TXT Reducers—Sizes 3 thru 15
- Underground Mining Motors
- Mill Duty and Base Fan Motors
- Wind Generators—multiple brands and sizes



NEMA motors



Above NEMA motors

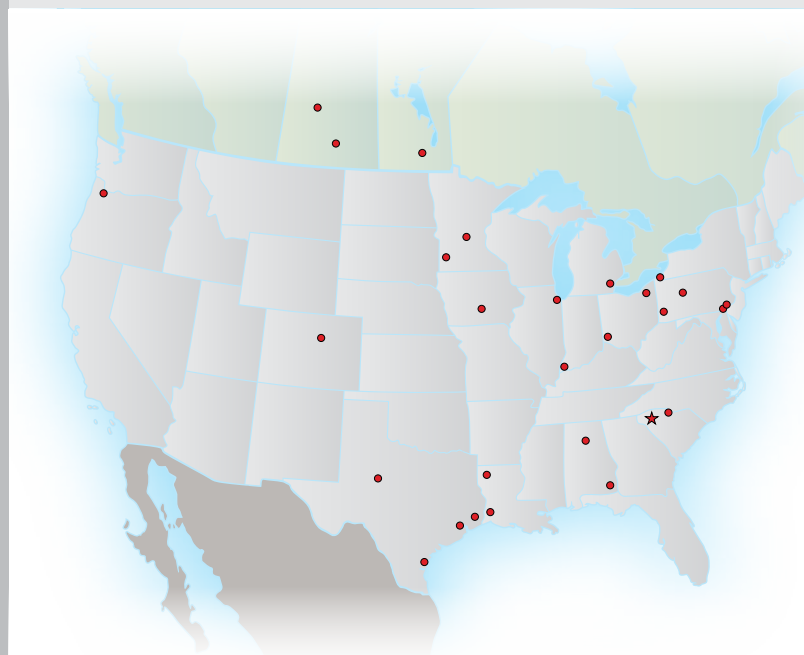


Spare stator coils up to 15 kV



Remanufactured field coils
— edge and wire wound

NORTH AMERICAN COVERAGE



UNITED STATES

Beaumont, TX	Greenville, SC
Birmingham, AL	Houston, TX
Chicago, IL	Indiana, PA
Cincinnati, OH	Lake Benton, MN
Cleveland, OH	Litchfield, MN
Corpus Christi, TX	Philadelphia, PA
Denver, CO	Portland, OR
Detroit, MI	Rock Hill, SC
Des Moines, IA	Shreveport, LA
Dothan, AL	Sulphur, LA
Erie, PA	Sweetwater, TX
Evansville, IN	Washington, PA
Folcroft, PA	

CANADA

Regina, SK
Saskatoon, SK
Winnipeg, MB

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