

WE KEEP ELECTRIC MOTORS AND GENERATORS RUNNING

REPAIR SERVICES

Motor & Generator Repair

- AC motor repair thru 15 kV or 39,000+ HP
- DC motor repair thru 10,000 HP
- Dedicated small motor (<=690 VAC) repair center
- 14 ft. VPI—100% solids epoxy resin
- 50-ton crane capacity
- Dynamic balance stand up to 25,000 lbs.
- UL® certification
- Stator and rotor restacking
- AC & DC motor redesign
- Pick up and delivery service

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
- AC generator rewinds
- Hermetic
- Submersible
- Mill duty
- Vertical
- Explosion proof
- Variable speed
- Marine
- Top drive
- High-efficiency AC
- Servo, Spindle, Arbor
- Low-voltage DC



Motor & Generator Testing

- Full load testing thru 4,500 HP
- No-load testing thru 37,500 HP
- Run testing to 15,000 VAC / 700 VDC
- Motor Circuit Evaluation (MCE)
- Doble and Partial Discharge
- IEEE 1776-2008 Water Immersion
- IEEE 1043 Voltage Endurance
- Computerized Core Loss up to 500 kVA
- Vibration Analysis
- Thermography
- Polarization Index Test
- 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 600 tons
- Welding—MIG/TIG
- Flame spray metallizing
- Parts manufacturing (shafts, bases, housings)

Electronic Repair

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

Authorized Warranty Repair

- | | | |
|-----------|--------------|------------|
| • ABB | • ATB Morley | • Baldor |
| • Dodge | • KATO Eng. | • Reliance |
| • Siemens | • Toshiba | • WEG |



Previous VPI Insulation Systems: MegaSeal™ and PowerSeal™



14' VPI Tank



Testing up to 37,500 HP and 15 kV / 700 VDC



Extensive On-Site Field Services

Houston Service Center

1500 East Main Street
La Porte, TX 77571

800.221.3698

281.471.4611

281.471.3120 (FAX)

www.ips.us

FIELD SERVICES

On-site Services

- Installation and commissioning
- Synchronous rotor diagnostics
- Filter replacements
- Emergency and outage support
- Motor Circuit Evaluation (MCE)
- Doble and partial discharge testing
- Cryogenic "dry ice" cleaning
- Vibration and Modal analysis
- Laser alignment and bearing current detection
- Thermography and Ultrasonic testing
- Oil analysis and lubrication programs
- Mechanical balancing, machining and repair
- AC & DC motor and generator repair
- Commutator and slip ring field machining and profiling
- Stator and armature rewinding
- Disaster assessment/recovery programs

Motor Storage Programs

- | | |
|--------------------------|-----------------------|
| • Temperature controlled | • Humidity controlled |
| • Shaft rotation | • Meggered windings |
| • 24/7 on-call service | • Full documentation |



60,000 sq. ft. warehouse
with relative humidity of 50% or lower

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



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



NEMA motors



Above NEMA motors



Spare stator coils up to 15 kV



Remanufactured field coils
— edge and wire wound

NORTH AMERICAN COVERAGE

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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