

EMERGENCY SUPPORT SERVICES

For Severe Weather and Other Catastrophic Events



Extensive on-site field services



In-shop motor and generator repair



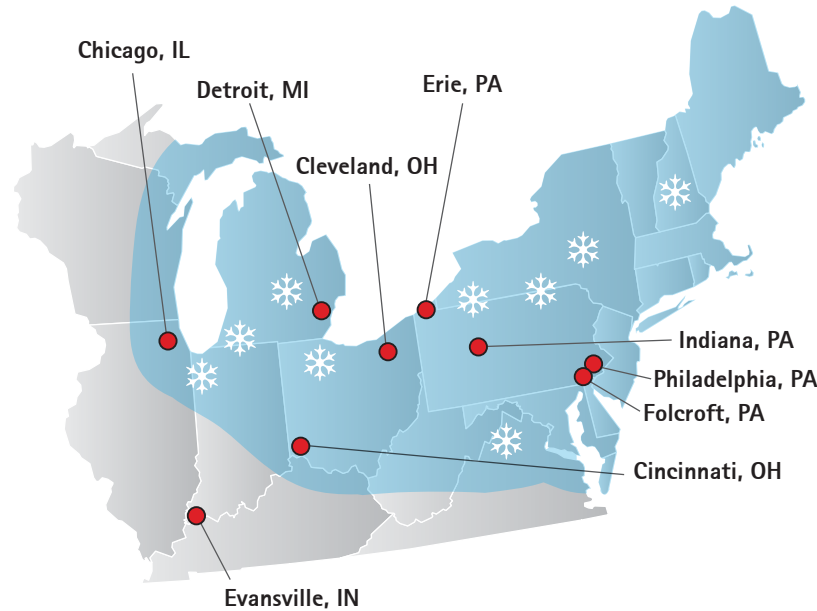
NEMA and Above NEMA inventory



Critical equipment storage



Company-owned truck fleet for fast response and delivery



Available 24/7

Chicago, IL
800.978.4559
Cincinnati, OH
800.998.8447
Cleveland, OH
800.733.7801
Detroit, MI
800.992.9466
Erie, PA
800.537.0097
Evansville, IN
800.998.8447
Folcroft, PA
484.498.4848
Indiana, PA
800.537.0097
Philadelphia, PA
800.451.5718

Regardless of the emergency, IPS has the experience and resources to get you up and running. Our Emergency Support Services include:

- **Pre-Disaster Planning** – IPS works with you to perform an Installed Base Evaluation (IBE) to identify your facilities electrical and mechanical equipment. An accurate, current and complete database with all necessary equipment data is vital for recovery.
- **Post-Disaster Assessment** – On-site evaluation & assessment of the damage to electrical and mechanical equipment is reported and documented.
- **Identify Recovery Solution** – Using the assessment report, we will work with you to plan a solution that considers all IPS resources to minimize your time to return to production.
- **Prioritize and Manage Resources** – With the assessment and recovery solution identified, we manage the availability of IPS resources to your individual priorities and sequence of events.
- **Implement Solution** – Implement appropriate solution to fit your business needs and minimize downtime.

For more information, contact your local IPS sales representative or visit www.ips.us.

Emergency Support Teams

- *Dedicated, experienced field service crews*
- *AC & DC motor and generator repair*
- *Emergency & outage support*
- *Equipment removal & installation*
- *Electric motor repair*
- *Mechanical repair & machining*
- *Extended support and resources from coast-to-coast locations*
- *Complete project management*



Fully-equipped field service teams

IPS NETWORK CAPABILITIES

NORTH AMERICAN COVERAGE



UNITED STATES

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

CANADA

Regina, SK
 Saskatoon, SK
 Winnipeg, MB



www.ips.us
www.ips.ca

REPAIR SERVICES

Motor and Generator Repair

- In-shop capabilities –
 - AC up to 15,000 VAC or 80,000+ HP
 - DC up to 1,000 VDC or 10,000+ HP
- On-site capabilities –
 - AC > 15,000 VAC or 80,000 HP
 - DC > 1,000 VDC or 10,000 HP
- 14 ft. VPI—100% solids epoxy resin
- 145-ton lifting capacity
- Dynamic balance stand up to 100,000 lbs.
- UL® and CSA® certification
- Stator and rotor restacking
- AC and DC motor redesign

Rewind Technologies

- Premium VPI Insulation Systems
 - MegaSeal™ HV (up to 15 kV) with 5-year warranty
 - PowerSeal™ MV (up to 6.9 kV) with 5-year warranty
- IntegraCoil™ B-stage stator coils up to 15 kV

Authorized Warranty Repair

- ABB
- ATB Morley
- Baldor/Dodge/Reliance
- ELIN
- Kato Engineering
- Siemens
- Toshiba
- WEG

Mechanical Repair

- Gearboxes
- Blowers
- Compressors
- Crushers
- Pumps — centrifugal/submersible/vacuum
- Gear motor, clutches, brakes
- Fans
- Heat exchangers
- Ship shafts and rudders

Motor and Generator Testing

- Full load testing up to 4,500 HP
- No load testing up to 37,500 HP
- Run testing up to 15,000 VAC/1,000 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
- Electromagnetic Core Imperfection Detection (EL CID)
- Vibration analysis (Spectral)
- Thermography
- Polarization Index Test
- Resistivity, Hi-Pot (AC & DC), Megger®, Surge test

FIELD SERVICES

On-site Commissioning and Repair

- Equipment installation/removal
- Emergency and outage support
- Mechanical machining and repair
- AC & DC motor and generator repair
- Stator and armature rewinding

Preventive Maintenance

- Precision laser alignment
- Cryogenic "dry ice" cleaning
- On-site balancing
- Commutator and slip ring service
- Filter replacements
- Lubrication programs
- Equipment inspections

Predictive Maintenance

- Vibration and modal analysis
- Motor Circuit Evaluation (MCE)
- Doble testing
- Partial discharge testing
- Electromagnetic Core Imperfection Detection (EL CID)
- Operational Deflection Mode Shape (ODMS)
- Finite Element Analysis (FEA) software
- Synchronous rotor diagnostics
- Current analysis trending
- Thermography
- Ultrasonic testing
- Oil analysis

PRODUCT SALES

