

**Up-tower field services, in-shop repairs and distribution**

**WIND POWER  
FIELD SERVICE**

- Denver, CO  
800.448.0899
- Indiana, PA  
800.537.0097
- Lake Benton, MN  
507.368.4015
- Portland, OR  
800.366.4951
- Shreveport, LA  
800.366.6030
- Sweetwater, TX  
325.933.4275
- Winnipeg, MB  
204.237.6066

**WIND POWER  
DISTRIBUTION**

- Dassel, MN  
320.204.0582

**WIND POWER  
SERVICE CENTERS**

- Chicago, IL  
800.978.4559
- Denver, CO  
800.448.0899
- Indiana, PA  
800.537.0097
- Litchfield, MN  
888.694.6200
- Portland, OR  
800.366.4951
- Shreveport, LA  
800.366.6030
- Winnipeg, MB  
204.237.6066



*Our dedicated technicians service Zond 750 turbines coast to coast*

IPS offers complete services on Zond 750 Series wind turbines, including comprehensive in-shop repair services and a generator unit exchange program to minimize downtime and crane costs. Our single-source capabilities include electrical and mechanical testing and repair, exclusive rewind technologies, coil manufacturing, and CNC precision-machined parts.

With regional service centers and strategically located warehouses across North America, we can repair, exchange and remanufacture failed units quickly and cost-effectively. No matter which IPS regional service center repairs, replaces or stores your wind power assets, you can count on one standard of excellence for safety, quality and repairs—coast to coast.



*IPS now offers gearbox repair and maintenance for Zond wind turbines*

**UP-TOWER FIELD SERVICES**

- Generator and gearbox repair
- Bearing changeouts
- Slip ring changeouts, upgrades and turning
- Grounding system upgrades
- Housing and component rebuilds
- Brush holder upgrades
- Predictive and preventive maintenance
  - Laser alignment
  - Vibration and Modal analysis
  - Thermography
  - Bore Scoping
- Diagnostic Testing
  - Baker Surge Test
  - Motor Circuit Evaluation (MCE)
  - Doble® and Partial discharge
- Scheduled maintenance programs
- Generator unit exchange program
- Emergency repairs

**IN-SHOP REPAIR SERVICES**

- Authorized OEM repair
- Electrical repair
  - Generators—rewind, recondition, mechanical and machining
  - Pitch and yaw motors
  - Oil pump motors
  - Cooling fans
  - Hydraulic pump motors
  - Electronic board repair
- Mechanical repair
  - Generator and gearbox housings
  - Main turbine gearboxes and gears
  - Yaw gearboxes
  - Main shafts
  - High-speed shafts
  - Slip rings
  - Heat exchangers
- Random-wound coil manufacturing up to 2m
- Premium VPI systems up to 15 kV

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[www.ips.us/wind](http://www.ips.us/wind)

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## Zond 750

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### Products and parts sales

- Generator and gearbox components
- Generator couplings
- Brushes and brush holders
- Grease and oil
- Encoders—hollow and solid shaft
- Shaft grounding rings
- Power slip rings—new or rebuilt
- Bearings—Steel, Insocoat and Ceramic
- Auto-lube systems
- Replacement motors—pitch, yaw, cooling pump and all metric motors
- Complete new pitch shafts
- Electronic boards
- Stator coils up to 15 kV



### In-house CNC precision parts manufacturing

- Shafts up to 22" and 80" long
- Milling up to 20" x 40" plate
- Drilling and tapping of holes
- Milling of flats and hex parts
- Machining keyways
- Cutting multiple parts and sizes up to 16" diameter
- Digital bore gauges
- CAD/CAM 3D drawings

## ONE STANDARD FOR SAFETY, QUALITY AND REPAIRS—COAST TO COAST



- ★ Wind Power Service Centers
- Wind Power Field Service
- IPS Regional Service Centers

