H&N WIND
POWER SYSTEMS BY TIMKEN

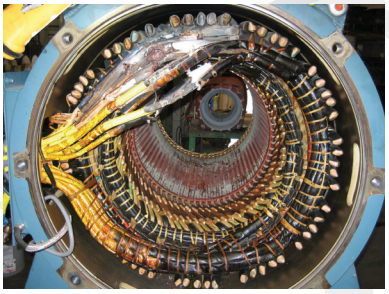


GENERATOR REPAIR

Reliability. Upgraded.

THE PROBLEM

A rapid rise in demand for wind turbine generators in recent years has led to a condition that, in some cases, is resulting in premature failures. H&N Wind has seen a spike in this trend and has developed a program to help its customers investigate and repair these failures both up-tower, or in one of our strategically located repair centers.





THE THREE-PART SOLUTION

First, by performing a variety of tests in the field with specialized equipment, the H&N technical teams can identify issues before failures happen. If you experience a catastrophic failure, we can remove the generators and deliver them to one of our many strategically located, full-service motor repair centers for complete inspection, overhaul and upgrade.

Second, all H&N service centers have in-house machine shops that can remanufacture major components quickly. Examples of critical parts we make every day include generator shafting, power slip rings, bearing housings, and more.

Third, our electrical and mechanical crews have decades of experience repairing all types of electrical apparatuses. From induction motors and generators, to wound-rotor motors and generators, to synchronous or direct current motors, and all the way through to controls and VFDs, our vast working knowledge means that you won't run into a problem we haven't seen before.

AVAILABLE UPGRADE PACKAGES

- Brush systems
- Bearing sets
- Winding materials
- Rewind technologies



THE H&N ADVANTAGE

- Strategically located service centers
- Specialized on-site wind services teams with rapid response capability
- State-of-the-art diagnostic and overhaul equipment that returns generators to a "like-new" status
- One-stop-shop solution

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