At Eaton, we have leveraged our 100+ years of engineering expertise and service experience to provide a wide-range of after-market services for the wind industry. Eaton offers both electrical and hydraulic services for wind applications.

Eaton’s service organization ensures that our customers receive rapid response with over 800 engineers and field technicians across North America.

Services for Transforming Wind into Reliable Power

Electrical and hydraulic services
Eaton delivers turnkey electrical distribution solutions that bring substations online in half the time. We call it “speed to grid.” Eaton’s services team develops modular electrical distribution infrastructure (i.e. collector systems, collector substations and utility intertie substations). Our solution reduces our client’s time to market and guarantees flawless startup and commissioning.

Maintaining smooth operation of your wind power provides more reliable energy and, ultimately, lower life cycle cost of energy. Eaton hydraulic services provide the product and system design services to ensure maximum up-time and the training services to ensure your personnel have the appropriate working knowledge. Our services are globally available… we are where you are!

Hydraulic services
- Product & system design
- Training
- Fluid analysis

Electrical services
- Substation construction
- Maintenance
- Retrofit upgrades
- Arc flash and power system studies
**Electrical solutions**

*Substation construction*
Eaton Electrical Services and Systems engineers can assist you with installation, commissioning, maintenance, retrofit upgrades and turnkey substation construction.

*Maintenance*
Our large field service team can offer ongoing service contracts to complete maintenance, as well as remote monitoring of critical failure indicators of electrical equipment. Immediate alarms are dispatched, while periodic trending recommends maintenance and inspection cycles.

*Retrofit upgrades*
As wind farm equipment matures, wind farms owners choose to replace key components at scheduled intervals. Eaton’s field service team can replace electrical equipment, at the base of the tower, and substation components as needed.

**Hydraulic solutions**

*Product & system design*
Eaton’s Application and Commercial Engineering (ACE) team works with your engineers to optimize a hydraulic solution with the exact flow, displacement, pressure, torque, speed and control software required to ensure the application needs are achieved.

*Training*
Our trainers, who have years of industry field experience, provide the education your engineers and project teams need to know to maintain and service wind turbine hydraulic applications.

*Fluid analysis*
70–90% of all hydraulic system failures are directly attributable to fluid contamination, and the Eaton Fluid Analysis Service is a great resource to help you avoid contamination failures. Our industry-leading expertise will help you solve problems faster and maximize your up-time.