Component Health Monitoring for Wind Turbines
Reduce cost and downtime with accurate and reliable wireless sensing solutions

Why LORD Sensing for component health?
Building on over 30 years of experience, LORD Sensing provides award-winning, reliable solutions for OEM and Test & Measurement applications. Our inertial, wireless, and displacement sensing systems are ideal for installation on wind turbines to monitor components, including the blades, drive train, gear box, tower, and generator. As part of a scalable sensing solution, our wireless nodes and data aggregators provide accurate measurements.

LORD Sensing’s Wireless Solutions:
- Provide accurate measurements of torque, strain, vibration, power, load, and more
- Give immediate, actionable results
- Allow installation where hard-wired solutions would not be possible-- from rotating equipment to tower infrastructure
- Allow automatic upload of data to SensorCloud™ platform for real-time, cloud-based analytics
- Include lossless protocol for precise data

G-Link-200-LXRS
Ruggedized high-speed triaxial accelerometer node
46.6 mm x 43 mm x 44 mm
IP67 rating
Integrated 3-axis accelerometer
Internal temperature sensor
Continuous sampling: 1/hour to 4 KHz

V-Link-200-LXRS
Wireless 8-Channel Analog Input Sensor Node
129 mm x 82.5 mm x 31 mm
283 grams (with batteries)
4 differential, 4 single-ended analog input channels
Internal temperature sensor
Continuous sampling: 1/hour to 4 KHz
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Drive Train Vibration
G-Link-200
Ruggedized high-speed triaxial accelerometer node

Drive Train Torque
Torque-Link
Specialized Analog Sensor Node

Gearbox Vibration/Individual Gear Bearing and Health
G-Link-200
Ruggedized high-speed triaxial accelerometer node

Blade Flutter
G-Link-200
Ruggedized high-speed triaxial accelerometer node

Flap-wise and Edge-wise Bending Moments
G-Link-200
Ruggedized high-speed triaxial accelerometer node

Tower Dynamics and Vibration
GX5-25
AHRS inertial sensor

Tower Bending Moments
V-Link-200
Wireless 8-Channel Analog Input Sensor Node

All solutions are backed by LORD Sensing’s world-recognized Support Staff.
For pricing and ordering information, contact us: 802.862.6629