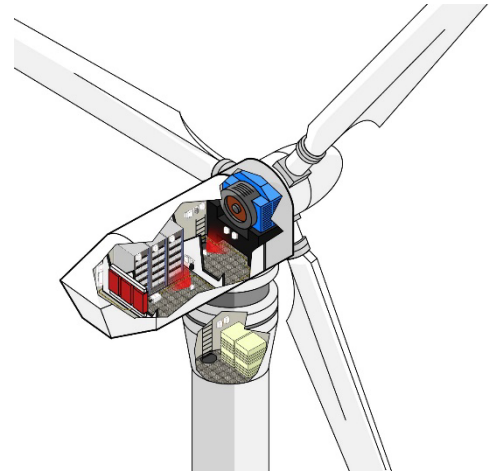


Wind Turbine

Wind turbines pose fire risks, primarily due to gas-insulated switchgear and electrical faults. There is potential for critical gear, such as SF6 units, to leak potent greenhouse gases and create fire hazards.

To address these concerns, REL-iON™ has developed an innovative platform equipped with advanced sensors. SF6 detectors are used to monitor gas emissions, while thermal imaging helps to identify overheating components, and corrosion sensors detect equipment degradation.

Alongside more than 80 other sensors, this comprehensive system ensures early detection of anomalies, thereby reducing fire risks, safeguarding operations, and preserving the integrity of the turbines.



Part Number	Sensor Use Case	Minimum Recommended
31-BASE-WIRED	Base Unit SensorGateway	1 base required
31-EXP-12HUB	Sensorhub - 12 Ports Hub & 1 Daisy-Starter circuit	1 hub required, it hosts 12 sensors
31-BASE-PWR	Power Adapter for Base Unit	1 power adapter required
31-ENV-THUM	Monitors temperature and humidity levels	2 recommended per container
31-ENV-LEAK-LOC	Monitors leaks or presence of water	2 recommended + cable
31-ENV-CORROSION	Monitors real-time atmospheric corrosion levels and severity per ANSI/ISA 71.04 standard	2 recommended per room
31-ENV-DUST	Designed to monitor dust particles in data centers, server rooms & cabinets	2 recommended per room
31-ENV-THIMG-L	Monitors object and equipment temperatures with 19,200 measurement points per image, analyzed every 2 seconds	3 recommended per battery rack
31-PWR-AC-QUAL	Designed to monitor single-phase power quality	1 recommended per room
31-PWR-AC-CUR	The current sensor indicates the state of legacy equipment based on its power usage	1 recommended per room
31-GAS-SF6	It detects Sulfur Hexafluoride (SF6) Gas	1 recommended per switchgear
31-SEC-SHOCK	Detects accurately the level of vibration	1 recommended per rack
31-GAS-O3	It detects Ozone (O3) Gas	1 recommended per switchgear

Notes

- The visual appearance and dimensions presented on this datasheet are for illustrative purposes only and are subject to change without prior notice. Actual product appearance and dimensions may vary due to continuous product improvement and manufacturing.
- Quantities of sensors and other equipment are indicative only. Please ensure adequate coverage based on site and application conditions and dimensions.