

FACT SHEET

WINDLIFE DASHBOARD

Fully Customizable Web-Application for Wind Farms | Data Provided by Ingrid™

Having real-time and accurate operational data helps wind farm owners and operators make informed run, repair and retire decisions regarding their turbine equipment.



Windlife Dashboard

Windlife is a fully customizable web-based online dashboard used to manage wind farm performance metrics such as real-time power, rotor speed, wind speed, yaw angle, availability, temperatures, etc. Evaluating an asset's remaining useful life is critical for ensuring continued reliability and optimized operations. Intertek's proprietary algorithms use prediction and visualization to help manage and optimize wind turbine operations. The Windlife analytics tools include general purpose life-data analyses to forecast and improve the remaining useful life of wind turbine equipment.

Windlife uses the most up-to-date web developments to present data in an interactive dashboard, and incorporates a module for predicting remaining useful life that is uniquely based on asset failure data.

With proprietary probabilistic remaining useful life (PRUL) models and economic models, users have the accurate data they need to make critical run, repair and retire decisions.

With our Total Quality Assurance solutions and cutting-edge technology, customers around the world are able to power ahead safely with peace of mind knowing that their assets are operating safely, efficiently and reliably.

Key Benefits

- Latest tools in prediction and visualization to help manage and optimize wind farm operations
- Predictive module to estimate the remaining useful life based on performance and inspection data
- Early anomaly detection of failures system based on temperature behaviors
- Enhances the supervisory control and data acquisition (SCADA) system capabilities

Features and Graphical Reports

- Automatic report generation system (day/month/year)
- Dynamic tables and interactive plots
- Early fault detection system
- Inspection Data Management System (IDMS)
- Real time monitoring and historical data
- Real time power curve
- Remaining Useful Life (RUL) for each turbine
- Temperature anomaly detection

Compatible Across Multiple Devices

- Cellular phone
- Tablet
- Desktop
- Laptop



Dashboard sample - features and graphical reports

FOR MORE INFORMATION

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