

FACT SHEET

# WindAware

## ASSET & INSPECTION MANAGEMENT SOFTWARE

Integrating engineering, failure analysis, and technology to safeguard your wind generation assets

**WindAware offers advanced solutions in data management, visualization, and organization for wind turbine power generation. WindAware helps owners and operators minimize costly equipment failure, maintain reliability and safety, and manage inspection data.**



### Asset Management. Simplified.

Managing the life of wind turbine generator assets is a constant challenge.

Operators need a tool that provides organized, readily available equipment data to make informed operational, maintenance, outage, and inspection decisions. Intertek developed WindAware to be the tool that solves this challenge.

### Inspect for Success

WindAware is used to track, trend, and report inspection and repair information for any component of the wind turbines.

The software has visualization capabilities that overlay recorded information on Google Earth.

WindAware allows users to track the inspection history of every tower component quickly and easily.

Inspectors can use Mobile Aware handheld tablets to document inspections in the field instantaneously, or inspection results can be imported later.

Recorded information can be located and reviewed on interactive CAD drawings, for example, allowing the user to visually compare degradation or anomalies across different blades.

### Improved Asset Life

WindAware organizes complex data allowing users to identify trends that reveal deteriorating or damaged equipment.

The software uses a web-based environment, permitting information to be shared across different sites, departments, and groups.

WindAware can improve decision making, ensure accuracy and standardization, and increase the efficiency and effectiveness of inspection activities.


### WindAware Features

- Customizable inspection checklists for critical powertrain components: blades, gearboxes, bearings
- Google Earth integration with tower condition summaries
- Inspection tracking, planning, reminders
- Damage mechanism prediction
- Unlimited number of users
- Security: tailored user access
- Visual Aware: interface with AutoCAD
- Mobile Aware: Inspection results in field
- Upload pictures, videos, analysis, etc.
- Customizable alerts, e.g. flagging high Fe content in bearing lubrication
- Customizable reports
- Asset age & replacement history tracking
- Customizable analytical widgets

### FOR MORE INFORMATION

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