

VibraOne Wind

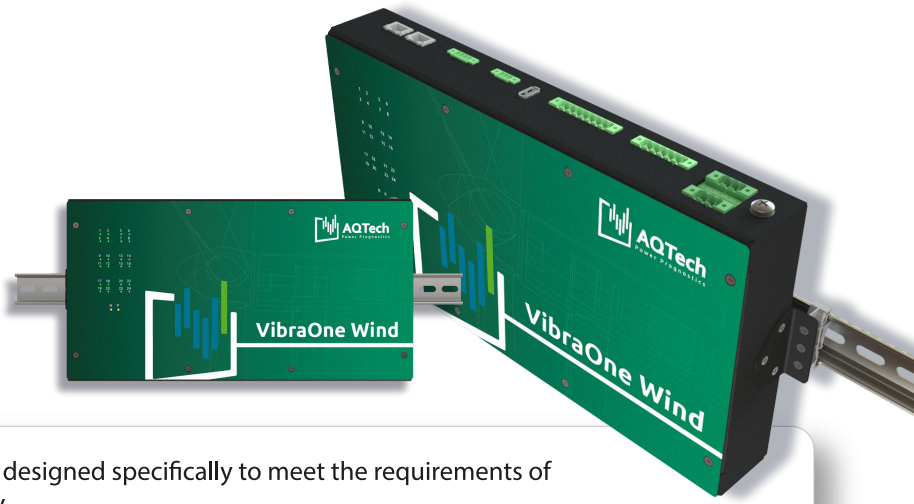
OneBreeze



CMS

Condition
Monitoring
System

The solution



VibraOne is a data acquisition device designed specifically to meet the requirements of the electric power generation industry.



The system comprises processing functions, analogue inputs, digital inputs, digital outputs, communication interfaces, and other features.



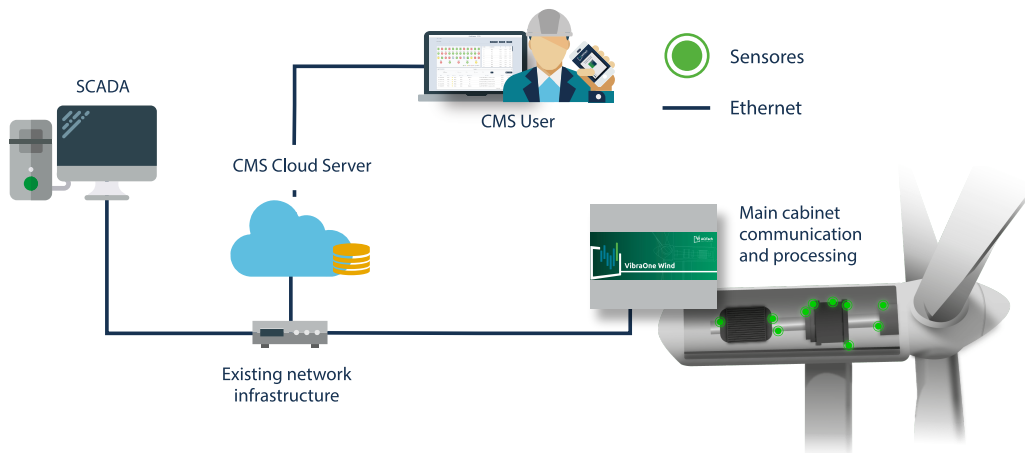
The solution provides continuous monitoring and recording of wind turbine's operating conditions, detecting faults and disturbances, allowing constant validation of the operational performance of field systems.



Our equipment is CE marked, indicating compliance with the electromagnetic compatibility, safety, and environmental requirements of the European Union.

Architecture

Designed for Wind Application



*The cloud server can also be replaced with on-premises server.



All specifications are at room temperature unless otherwise specified.
In the interest of constant product improvement, we reserve the right to change specifications without notice.

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www.aqtech.com

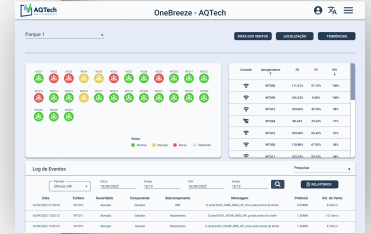




Scan the code to watch the OneBreeze demonstration video

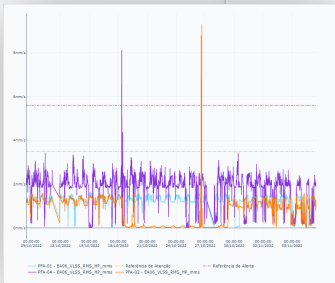
Intuitive and innovative user interface

In predictive maintenance processes, monitoring multiple turbines can be challenging and requires the user's undivided attention, which is an extremely valuable resource. The OneBreeze platform is specifically designed to facilitate this process by directing the condition analyst's attention towards the turbines that require immediate attention and analysis. With smart indicators and a user-friendly interface, OneBreeze provides the necessary information to ensure that the most critical goal, of keeping the wind turbines operating, is achieved.



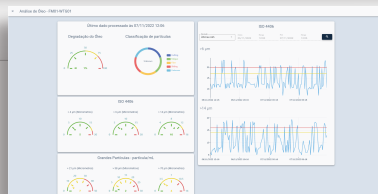
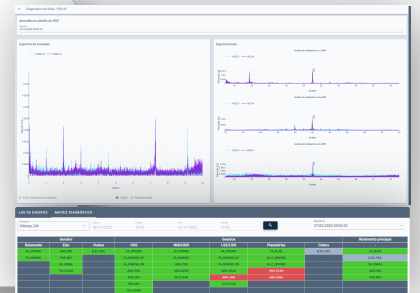
Analysis Tools

Once the user identifies the turbines that require attention, the OneBreeze software provides access to advanced analysis tools. These tools include trend analysis, directed frequency spectrum, order analysis, sensor listening, among others. The primary goal of the platform is to furnish the condition analyst with information that enables them to compare the wind turbine's performance with its historical data and other turbines on-site. This process leads to the main conclusion, which is to determine the underlying issues with the asset and take necessary action to keep it operational.



Automatic Diagnostics

The OneBreeze system incorporates sophisticated signal processing techniques that can automatically diagnose failure modes based on the vibrational characteristics of monitored machines. The system provides directed analysis screens and notifications to alert the condition analyst responsible for the asset of any critical issues and can take appropriate action to maintain the health and performance of the machine.



Integration with others Systems

OneBreeze is not restricted to utilizing only the vibration parameters obtained through VibraOne Wind to provide essential data for O&M decision-making. AQTech facilitates the integration of the OneBreeze system with the wind turbine's SCADA system, as well as other condition monitoring systems, irrespective of their manufacturer. This integration allows for comprehensive monitoring of the asset.





Know more. Know before.

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know how we can help!*

-  +351 911996958
-  sales@aqtech.com
-  www.aqtech.com
-  [@aqtech.powerprognostics](https://www.instagram.com/aqtech.powerprognostics)
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