

More power from your wind farm

/ ASSESSMENT AND EFFICIENT TURBINE OPERATIONS



VAISALA

A doorway to efficient wind power

Wind, snow, rain, light, air particles... Vaisala can help you measure it all by equipping your wind turbines and farms with proven technology. Whether you are in a phase of planning a wind farm site and assessing resources or operating an existing one, Vaisala can offer you relevant data for your decision making.

Accuracy

Our equipment is easy to use and provides exact measurements. Vaisala offers maintenance support for the product lifetime and ensures continuous reliable operation for all its delivered systems.

Compliance

Laws and regulations set the framework within which your wind farm is to operate; we help you to do so. With Vaisala you can prepare your wind farm for upcoming regulatory compliance in advance.

Optimization

When planning for wind farms, you can ensure your wind turbines and other facilities will be built to optimal locations for your operations.

Eco friendliness

Empowered by Vaisala's environmental measurement products, you can reduce the environmental load caused by energy consumption. Join us in establishing a sound foundation for an improved quality in living, environmental protection, safety and productivity.

Efficiency

You can minimize downtime by knowing in advance about the wind conditions and you can plan the maintenance of the wind turbines. You can also get total life cycle support of wind farm operations.

Good range of parameters

Be it visibility, barometric pressure, wind speed and direction, moisture in oil or humidity - with Vaisala sensors it will be easier to run your wind farm.

Flexibility

Our products have several installation possibilities and the outputs can be calculated in many different forms.

Reliability

All of our products undergo vast testing procedures by leading experts, to ensure faultless operation, which also contribute to safety of your workforce.



Visibility measurement — eyes for your wind farm



A customer who operates wind farms in Germany tells about their experience with Vaisala:

“We use the Vaisala Present Weather Detector PWD20W for visibility measurement at our wind energy farm installations. We install the measuring instrument in our obstruction lighting equipment for wind turbines on wind energy installations. Dependent on the meteorological visibility, the intensity of obstruction light for the turbines can be reduced on such projects in Germany.

We decided for the products of Vaisala because Vaisala had the best price performance ratio of all the calibrated and tested measuring instruments and appliances that we considered. Because of the many interface possibilities, we also obtained a variety of design possibilities for installation in our equipment.

We can offer our customers a well-proven measuring instrument, which can be fitted to our equipment for lighting the turbines at the best possible price by the plug-and-play method. In the last resort, the customer has the advantage of being able to run the obstruction lighting with the least possible light intensity emissions and without endangering military and civil aviation air traffic. This provides an additional benefit for the public acceptance of newly erected wind farm projects.

Vaisala has up to the present time, kept to the short delivery time periods usual within the industry. All the measuring equipment installed by ourselves has functioned reliably and without defects. The after sales' service provided by the Vaisala personnel in Hamburg is exemplary.”

*Thomas Herrholz
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VAISALA

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