



VAISALA

WindCube lidar enhancements

Take wind measurements even further
with the gold standard in wind lidar

WindCube® has long been one of the most accurate and proven lidars on the market, deployed in both simple and complex terrains. These new capabilities extend the frontiers even further so you can leverage WindCube almost anywhere, in all types of environments.

As wind farms evolve to include larger turbines, increased heights, and deployment in a wider range of environments and conditions, these enhancements deliver top performance, protect against extreme temperatures, and provide even greater access to renowned expertise.

Here are the newest ways WindCube is advancing wind energy.

1 Get top performance and maximum uptime

New features increase performance, reliability, and uptime in any onshore or offshore environment.

Vaisala's acclaimed PTH WXT535 weather sensor delivers accurate measurements of several key environmental parameters, including wind, temperature, and barometric readings — all in a compact, affordable package.

A highly durable metallic wiper increases reliability of the wiping process and resists corrosion — even in harsher climates.



2 Deploy almost anywhere in the world

New capabilities let you deploy WindCube almost anywhere, in diverse environments and conditions:

- A new winter kit safeguards the lidar from snow and ice, and the increased temperature range (50° C) withstands the hottest climates
- Upgraded power pack fuel cell compatibility increases operational uptime while reducing cost
- A new partnership with SmartGrid enables satellite communications so you can collect reliable data at very remote locations



Unprecedented measurement capabilities are now available to ensure data accuracy for increasingly tall turbine hub heights. IEC compliant verifications continue to be available with multiple partner consultants such as DNV, DTU, DWG and UL. Today, this includes Pavana with verification up to 200 meters.



3 Count on extensive, expanded global support

We continue our commitment to providing the best service and support in the business. Count on Vaisala to help you streamline operations, minimize disruption, stay current on system operations and management, and operate in even more global locations.

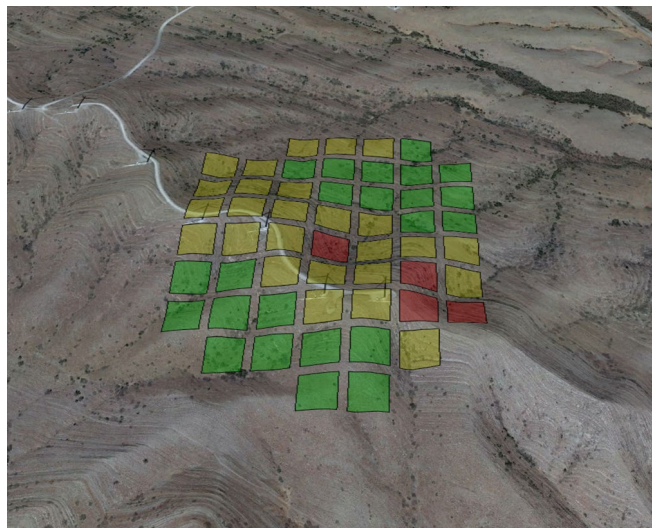
Expanded support partners, trained by Vaisala experts and located all over the world, give you local support and technical expertise. You also get instant access to an extensive online learning platform at no additional cost for continuous learning on system operations and routine maintenance.



4 Operate even smarter with Vaisala expertise

Leverage Vaisala's renowned scientific services so you can make the best possible decisions for site selection and operational performance.

- Site selection tools and services: Understand the dynamics of your site and optimize your success with wind maps and wind time series data
- Lidar selection consulting: Determine the best lidar for your specific needs
- **Complex terrain guidelines:** Plan ahead and increase your opportunity for success with best practices on lidar set up and data post processing for complex terrains
- Data filtering guidelines: Improve availability



WindCube® The gold standard

WindCube® is the iconic and trusted gold standard in wind lidar. The turnkey product suite offers innovative, reliable, and highly accurate solutions for thousands of customers across the globe. Borne from a passion to advance the field, WindCube continues to take wind energy ever higher through a commitment to four guiding principles:



Trustworthy, superior metrology



Innovative lidars from a one-stop shop



Unrivaled thought leadership



Easy, reliable global solution

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windcubelidar.com



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