

# WindCube Scan Wind Energy Edition

**VAISALA**

Product Spotlight

**Long-range, fully customizable  
measurements for wind farm  
development and operations**

Wind farms are growing larger and more densely filled with turbines, and turbine technology continues to evolve. Vaisala WindCube® Scan *Wind Energy Edition* reliably and seamlessly provides accurate Wind Resource Assessment (WRA) and wake analysis that are now indispensable to onshore and offshore projects.



## Key benefits

WindCube comes equipped with a 3 year warranty and a full 3D fast scan.

Enjoy rich insights from one or multiple positions thanks to single and dual lidar.

Meet all wind farm needs with fully configurable lidar scanning strategies, based on PPI, RHI, DBS and single beam scans, plus exclusive volume, segment, and VAD scans.

WindCube provides NetCDF files, a robust auto-documented format for operational flexibility.

WindCube features dedicated reprocessing and display software.

## Why Vaisala?

We are innovators, scientists, and discoverers who are helping fundamentally change how the world is powered. Vaisala elevates wind and solar customers around the globe so they can meet the greatest energy challenges of our time. Our pioneering approach reflects our priorities of thoughtful evolution in a time of change and extending our legacy of leadership.

Vaisala is the only company to offer 360° of weather intelligence for smarter renewable energy, nearly anywhere on the planet. Every solution benefits from our 85+ years of experience, deployments in 170+ countries, and unrivaled thought leadership.

Our innovation story, like the renewable energy story, continues.

WindCube Scan Wind Energy Edition is the industry's tool of choice for providing reliable, precise spatial wind data at any stage of a wind farm project, from prospecting to operation. Suitable for short-term rental changing placements during development campaigns or long-term operations.

WindCube units feature rugged, industrial designs and can be placed in extreme environments. They are among the most flexible and accurate wind measurement technologies available complementing met masts and accurate vertical profiling lidars. Each system is fully configurable for several uses including monitoring, atmospheric cross-sectioning, and wind profiling.

## 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 with more than 2,000 WindCubes delivered globally. 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

## Applications

- Large-scale wind resource assessment, onshore or offshore
- Measurement of wind turbine wake and wind farm blockage effect
- Short-term forecasting for farm power prediction
- Single or multiple power performance tests run simultaneously

