

WindCube Offshore

VAISALA

Product Spotlight

Vertical profiling lidar for Floating Lidar Systems and offshore platforms

WindCube® Offshore, the reference lidar for all phases of wind energy development and operations, has been engineered with a robust, maritized casing for integration into Floating Lidar Systems and other harsh offshore locations such as lighthouses, substations and vessels.



Image courtesy of DNV Italy

Key benefits

Built with WindCube Insights – Fleet included. This cloud-based data management system enables remote control and data storage.

WindCube's high reliability increases data collection and reduces maintenance expense.

Created with durability in mind, the WindCube is fitted with an IP67 waterproof and corrosion-resistant casing, sunshade, bird spikes and fixed installation kit.

WindCube requires low power consumption (45W nominal), and is easily deployed in Floating Lidar Systems and small spaces.

Enjoy technical support and services with remote assistance, comprehensive on-site help, and short-term maintenance plus 3-year limited warranty.

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.

With offshore wind development accelerating, this is a timely innovation for consistent, reliable, and accurate data, wherever you need it.

WindCube data has been validated by more than 100 independent studies and is accepted onshore and offshore by all international standards and guidelines. Many of the most pioneering and successful wind energy companies today rely on the WindCube lidar to push the industry forward to meet its potential for growth.

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
- Unrivaled thought leadership
- Innovative lidars from a one-stop shop
- Easy, reliable global solution

System at a glance

WindCube Offshore supports all phases of a project lifecycle (development, operations, optimization, research), and can be used as a permanent met data for continuous wind monitoring and grid-loss compensation.

