

VAISALA

Expand your perspective

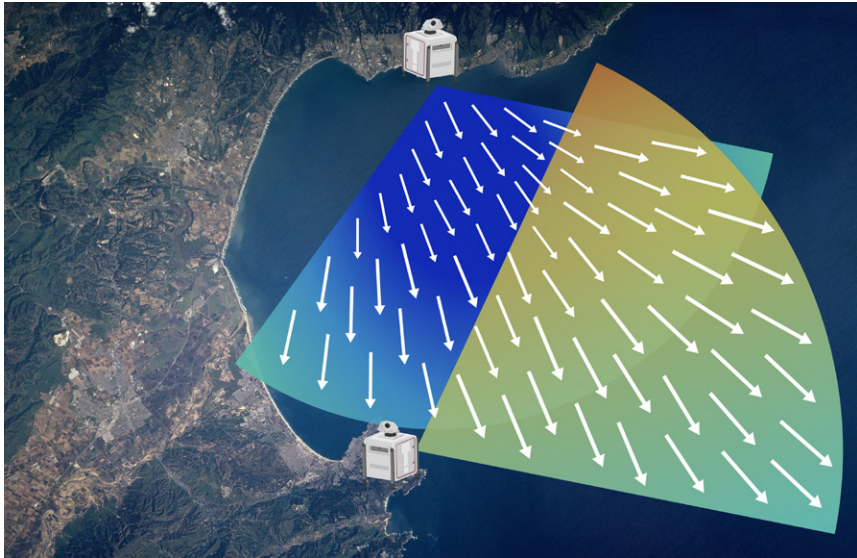
WITH THE WINDCUBE® SCAN DUAL LIDAR READY OFFERING

Scanning lidar provides the rich data needed to improve decision-making, reduce spatial uncertainty, and deepen understanding of turbine and farm interactions.

Our WindCube Scan Dual Lidar Ready offering features the most trusted scanning lidar in the wind energy industry, giving you an even more comprehensive picture of the wind resource profiles by observing an offshore location from several positions.

More than just double the data

- Reduced uncertainty in Wind Resource Assessment (WRA) campaigns
- Reliable data for difficult-to-assess waterways and sites
- Superior cost-efficiency and high operational continuity
- Flexible, easy deployment and operation



Meets several measurement needs

Dense measurement point network reduces vertical and horizontal uncertainty

- 5-10 virtual tower locations
- 3-5 heights
- 10 min-1 hr averages

Enables fine assessment of turbulence intensity for turbine suitability

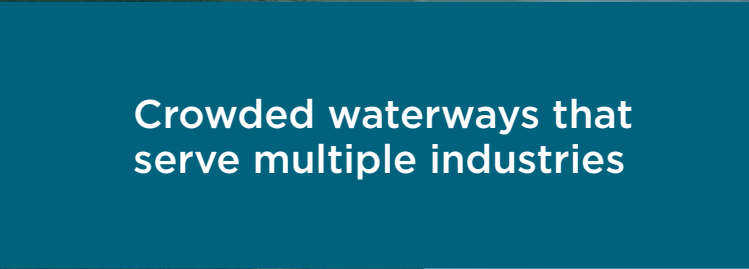
- 1-2 locations
- 1-2 heights
- High measurement rate



Value for today's challenging wind markets



Sensitive natural environments



Crowded waterways that serve multiple industries



Nearshore locations with extreme or hard-to-assess wind phenomena

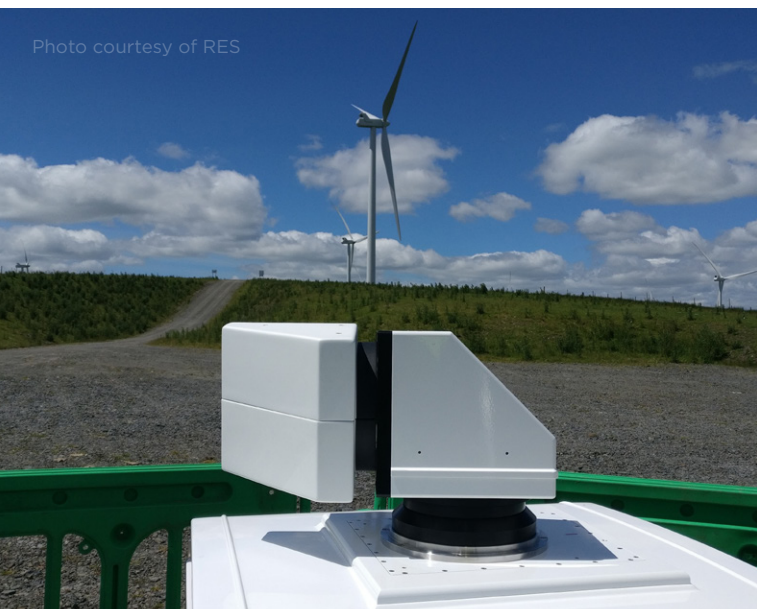


Photo courtesy of RES

Promise for tomorrow's opportunities

- Onshore assessment on large sites with complex terrain
- Power Performance Testing (PPT) of multiple turbines at once, in complex terrain conditions
- R&D applications for wake studies and studies of specific terrain features

A proven partner you can trust

Vaisala has been involved with successful WindCube Scan projects across the globe and provides the technology, documentation and technical consultation you need to deploy dual lidar confidently:



Scenario Scheduler and APIs for accurate lidar syncing



Comprehensive customer setup and configuration guidelines



Ongoing turnkey scientific and on-the-ground support

Vaisala is changing 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 renewable energy solutions are guided by several key priorities:



Thoughtful evolution

Remain a pioneer in renewable energy, always providing sensible, trusted solutions at the leading edge of R&D.



Smarter at every stage

Provide end-to-end weather and environmental solutions and critical insights throughout the renewable energy life cycle.



Legacy of leadership

Extend our proven track record and global trust to reach more customers in more ways.

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