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

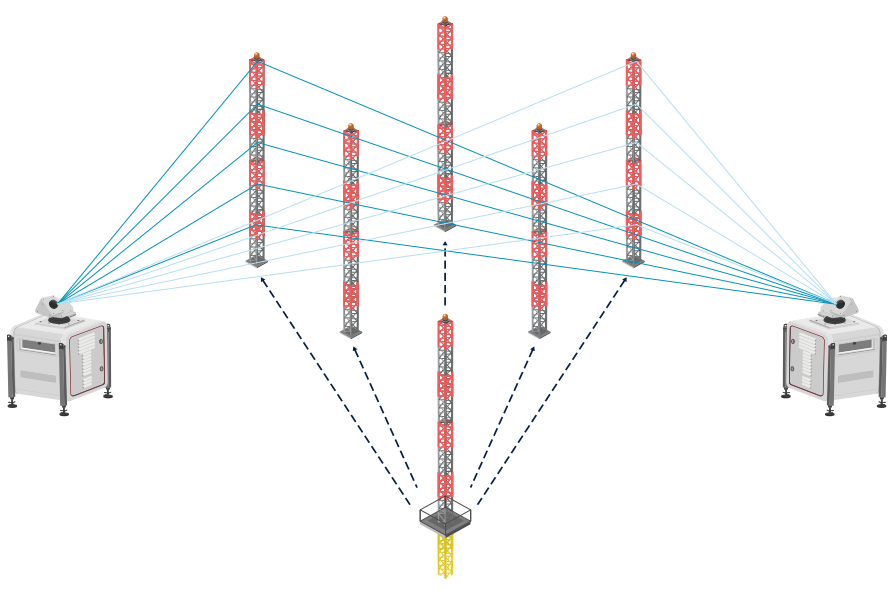
Meets several measurement needs

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



Intersecting beams for better coverage + accuracy

Value for today's challenging wind markets

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

Photo courtesy of RES

A proven partner you can trust

Leosphere, a Vaisala company, 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

Dual scanning lidar has arrived, and WindCube Scan is the technology leading the way. To join the innovation, contact us for a personal conversation about your projects.

windcubelidar.com