



Trustworthy, superior metrology

Manufacturing, validation, and certification practices



Standards of excellence

Our solutions are backed by the best science and metrology; plus validated by the most demanding testing and certifications in the industry.

Leosphere, a Vaisala company, products meet the latest and most rigorous international verification standards, including ISO9001. All WindCube® products are compliant to the latest IEC standards, and we have longstanding, fruitful partnerships with more than 20 leading research institutes worldwide.

Each WindCube vertical profiler unit we make is validated against a Golden Lidar and shipped with a document of validation issued by DNV GL. Leosphere, a Vaisala company, owns several Golden Lidars, which helps us ensure speed and continuity. Our Golden Lidars are certified every two years across more than 20 key performance indicators, and this process is applied for more than 10 years.

Leosphere, a Vaisala company, also offers a validation continuity warranty for the WindCube vertical profiler, which enables users to maintain IEC-compliant validation during repair or maintenance, as well as a pre-validated, off-the-shelf purchase option that can save up to two months of deployment time. Existing customers can efficiently upgrade to the latest enhanced and certified WindCube units.

We can maintain this high quality and operational continuity because of our global network — unique in the industry — including two factories, both of which utilize industry-level manufacturing and related practices, as well as seven fully equipped service centers. This ensures we can meet demand, provide quick and correct servicing, and leverage the most sophisticated benches, calibration tools, and related technologies.

Benefits of our practices

- Unmatched production and verification speed, reducing lead time while achieving full traceability and quality
- High certainty in verification results
- Universal and terrain-insensitive processes
- Complete verification across heights, turbulences, wind direction, and signal strength



Selected certifications



DTU Wind Energy
Department of Wind Energy

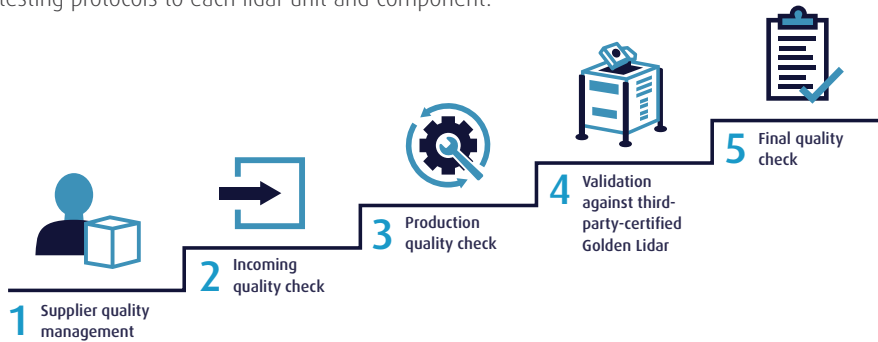


WINDGUARD
Certification



Industry-level value

Leosphere, a Vaisala company, is the only lidar supplier with industry-level manufacturing and servicing practices, meaning that we apply consistent, rigorous quality-control and testing protocols to each lidar unit and component.



This includes using a unique set of benches and soft tools for manufacturing, testing, and calibration. Many of these are patented by Leosphere, a Vaisala company, and enable accelerated production while ensuring higher and more uniform quality. For example, as each lidar unit makes its way through the process, it passes through more than 150 electro-optical control points, with more than 60 controlled wind parameters.

Whatever your needs, location, or project type, you'll benefit from our unrivaled standards.

Why Leosphere, a Vaisala company?

We are modern innovators, scientists, and discoverers who enable our customers to harness the power of wind energy in new ways. We are driven by passion, relentless curiosity, and the desire to create a better world, as evidenced in our commitment to four guiding principles:

1. Trustworthy, superior metrology
2. Unrivaled thought leadership
3. Innovative lidars from a one-stop shop
4. Easy, reliable global solution

As a result, Leosphere, a Vaisala company, is the iconic and trusted gold standard in wind lidar. Our turnkey WindCube product suite offers innovative, reliable, and highly accurate solutions for thousands of customers across the globe. All of this has enabled us to be catalysts for change and ambassadors for wind energy, always advancing the field and those we serve.



windcubelidar.com



Scan the code for more information

Ref. DID64689en-A ©Vaisala 2021

This material is subject to copyright protection, with all copyrights retained by Vaisala and its individual partners. All rights reserved. Any logos and/or product names are trademarks of Vaisala or its individual partners. The reproduction, transfer, distribution or storage of information contained in this brochure in any form without the prior written consent of Vaisala is strictly prohibited. All specifications — technical included — are subject to change without notice.