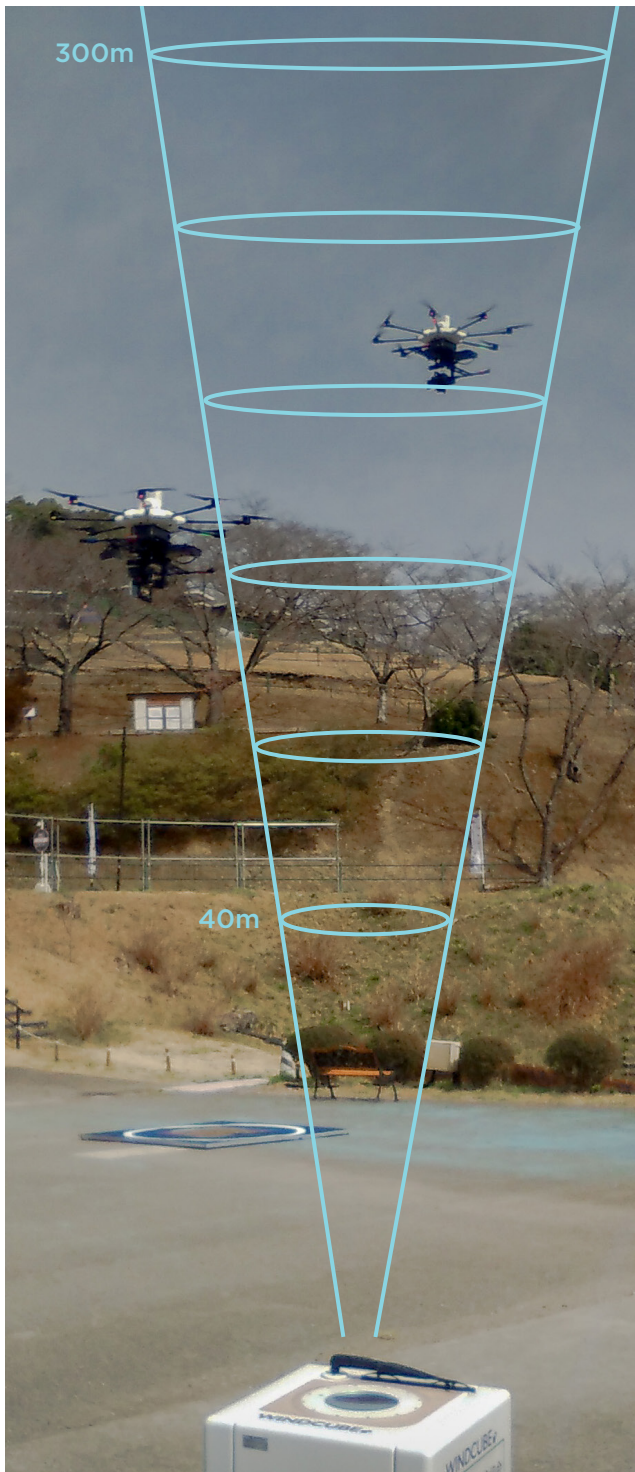


WindCube for drones

Providing accurate, real-time, ground-based wind data aloft for safer and more efficient drone operation



Unmanned aerial vehicles (UAV) such as drones are gaining ground as an important vehicle for several types of transport. With their increasing popularity, UAV manufacturers, testing organizations and drone operators need accurate weather data to assess conditions for conducting flight tests and evaluating vertiport locations.

Weather is a key contributor to overall UAV flight safety and endurance, but traditional weather sensors and data sources provide limited information. Wind conditions vary significantly from the ground up and measuring the wind at all heights is critical for evaluating operation and safe conditions.

The WindCube® ground-based doppler lidar is the most accurate and flexible wind measurement technology available. From plug-and-play setup to real-time data availability, WindCube is ready for nearly any application where you need to know the wind profile, up to 1,000 feet (approx. 300 meters).

Key benefits

High data quality for better insights

Provides real-time wind and turbulence vertical profiles at the location where the UAV is flying, with accurate wind speed and direction over multiple heights and distances.

Easy and portable

Simple and quick to deploy with plug-and-play setup and real-time data. Can be moved and repurposed to provide outstanding value over time.

Data at your fingertips

Provides an easy-to-use, secure, cloud-based tool as well as a user-friendly and robust graphical user interface for real-time insights.

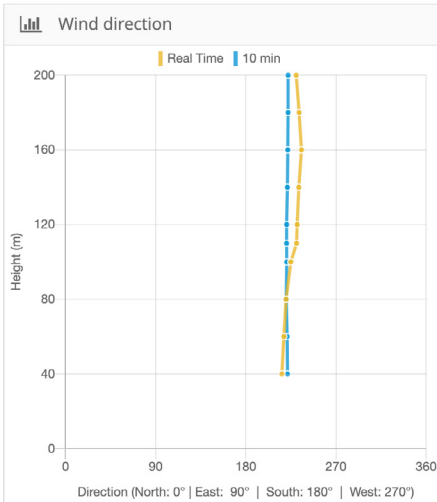
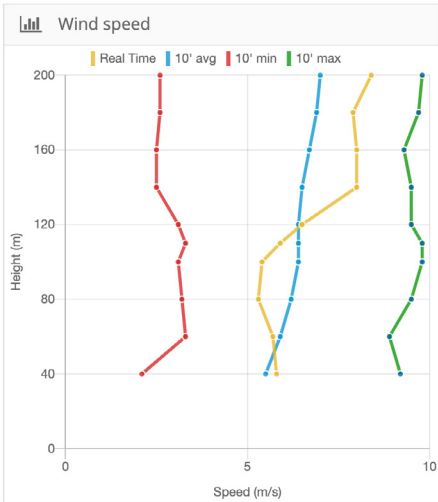
Supported by the industry leader

Supported by decades of experience, scientific tools and expertise, and industry-standard support services so you get the most from the equipment over its full life span.

WindCube lidar technology has provided highly accurate, reliable wind data for decades. Get that same quality and expertise for testing UAV performance in nearly any location.

Features

- Instant wind and turbulence profiles at the flight location for full-scale testing in the real environment
- 3-year warranty and maintenance with optional onsite maintenance
- Includes WindCube Insights cloud-based data management system



Why Vaisala?

Expertise and innovation

We believe in the relentless pursuit of quality and performance, anywhere and everywhere. Count on a dedicated partner with 80+ years of experience, customers in more than 170 countries, a presence at the North and South poles, and with NASA on Mars.

WindCube lidars provide the reliable data and business outcomes companies need to thrive. Thousands of WindCube units are in service around the globe — from emerging UAV manufacturers to the world’s largest wind energy clients.

Dependable support

Look to Vaisala for customized support, training and project management so you can get the most from your equipment. With decades of experience providing the best technologies and the finest support, Vaisala’s philosophy of partnership is unmatched in the industry.



vaisala.com



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