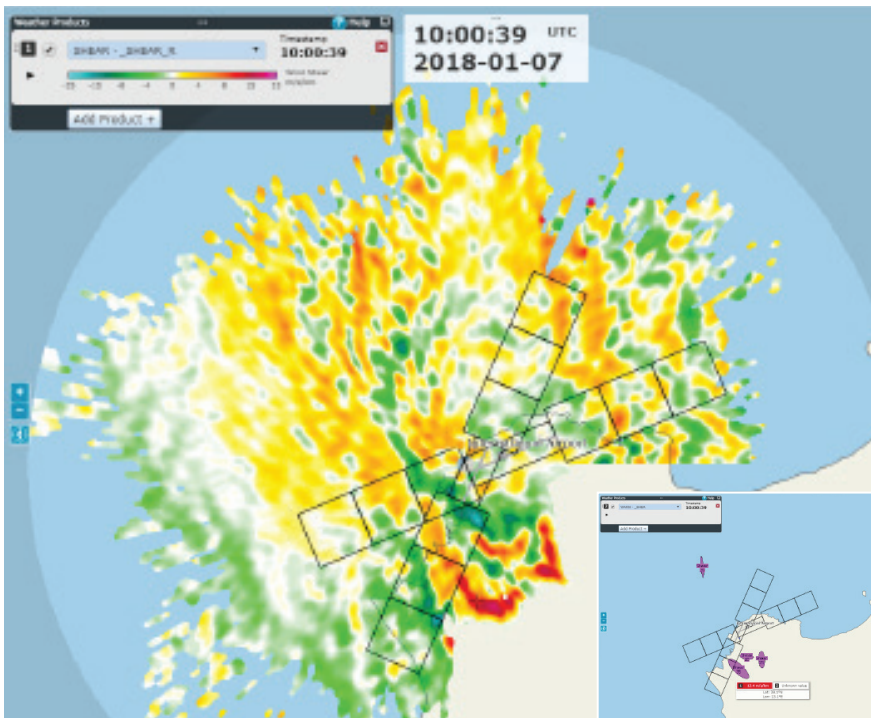


WindCube lidars for aviation safety

The best solution to mitigate wind hazards at an airport



Accurate, timely windshear detection and wind awareness are crucial for maintaining safety at an airport and its surroundings. WindCube® lidars give air traffic controllers, pilots, meteorological observers, and forecasters real-time data to understand the current wind conditions and make better operational decisions.

WindCube is a compact, robust, unattended solution ideally suited for an airport environment. Based on a proven design, it is an easy-to-use device that can be deployed either in standalone for wind hazards detection, or in combination with other weather sensors as part of a comprehensive windshear alert system.



Key Benefits

Enhanced safety

WindCube's high resolution windshear detection capability helps lower weather-related risks.

Cost efficiency and ease of use

WindCube's affordable cost, combined with simple deployment and onsite services, make it an attractive solution for airport stakeholders.

More than windshear

WindCube also enables increased understanding of the wind and turbulence conditions around the airport, improving wind situational awareness.

WindCube at a glance

Applications

- Real-time windshear detection and alerting
- 3D wind contextual information around the airport
- Vertical wind profile up to boundary layer — wind inversion detection

Key features

Compact system, robust and unattended, easy-to-deploy at an airport

Comprehensive and customizable service range allowing the highest level of system availability and on-site service intervention

Proven reliability and accuracy of the WindCube lidar technology

Easy data integration and display in a weather observation system (AWOS) interface

WindCube can operate either standalone or as a key part of the Vaisala AviMet® Windshear Alert System, in combination with the Vaisala Low Level Windshear Alert System (LLWAS) and Vaisala X-band Weather Radar depending on the local weather conditions and airport needs.



Why Vaisala?

The industry's most dependable technology

More than 1,000 WindCube units have been installed worldwide for a variety of applications. They have been used at airports for safety applications as well as for efficiency purposes, such as providing wake turbulence data to increase airport capacity.

Support to count on

Look to Vaisala for dependable 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.



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