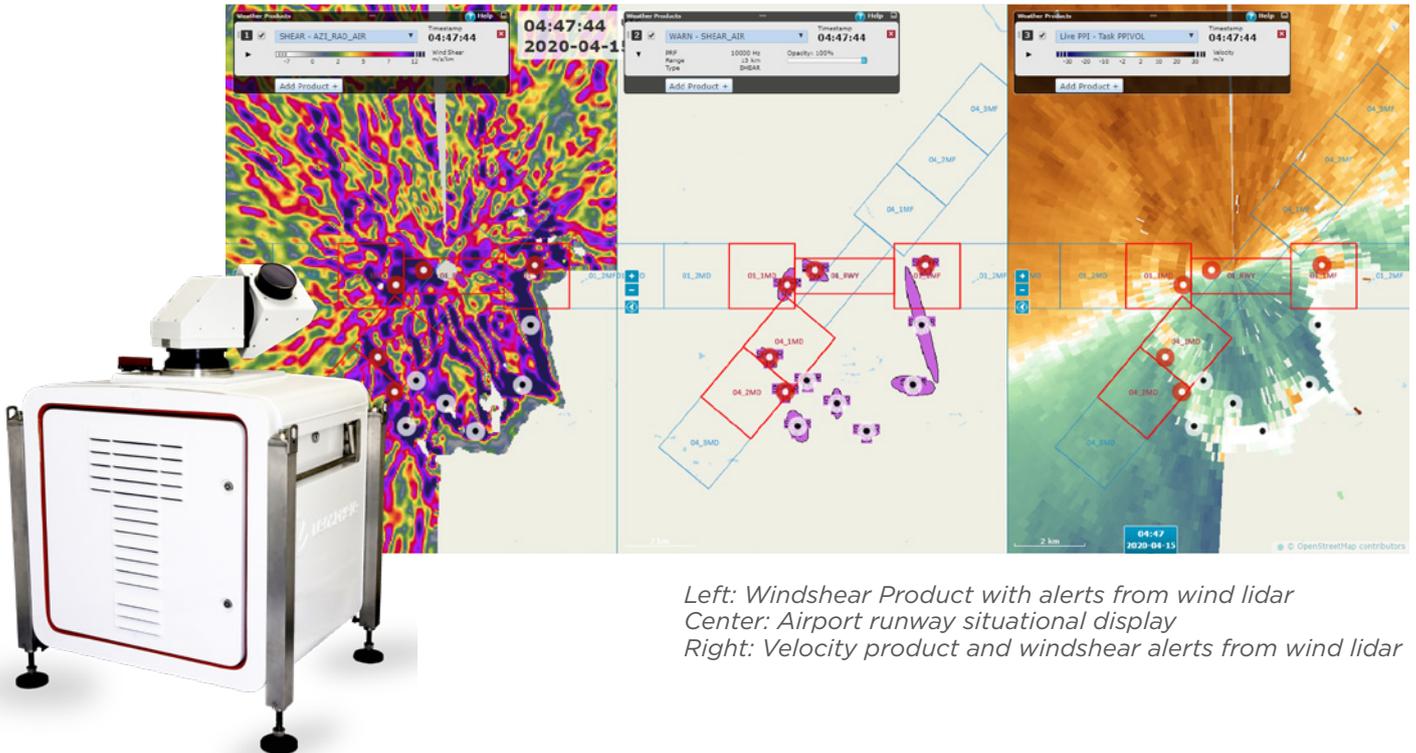


WindCube lidars for safe airfield operations

Protect your pilots & your flight operations from windshear hazards



Left: Windshear Product with alerts from wind lidar
 Center: Airport runway situational display
 Right: Velocity product and windshear alerts from wind lidar

When it comes to flight crew safety, every landing counts. The invisible threat – windshear – cannot be detected without a reliable remote sensing system, making accurate weather data critical for tactical airfield operations.

WindCube Scan lidars provide real-time data on vertical, horizontal and combined windshear situations for better flight decision support. With the insight WindCube Scan provides, airbase operators can alert pilots to hold the airplanes on ground or in the air when windshear occurs, then quickly resume operations when windshear stops.

Based on proven technology, WindCube Scan is a compact, dependable, unattended solution ideal for airfield operations. The wind lidar is easy to deploy standalone for wind hazard detection or as part of a comprehensive windshear alert system.

Key Benefits

Safety

High resolution windshear detection capability helps lower weather-related risks.

Cost efficiency

Affordable cost makes it a viable solution for multiple locations.

Easy deployment

Simple installation process makes integration easy and fast.

More than windshear

Provides wind and turbulence conditions around the airfield in real time.

Standalone or part of a system

WindCube Scan 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 local weather conditions and airfield needs.

The full Vaisala AviMet® Windshear Alert System delivers crucial information about unpredictable changes in wind speed and direction in a timely and consistent manner - informing immediately when and where windshear occurs and when the threat is over. This increases air traffic controllers' decision-making confidence as decisions are based on facts, allowing them to issue timely and reliable advance warnings to pilots.

Key features

- Real-time windshear detection and alerting
- In-situ wind measurement in 3D space
- Vertical wind profile up to boundary layer — wind inversion detection
- Compact system, robust and unattended, easy-to-deploy at an airfield
- Proven reliability and accuracy of the WindCube lidar technology
- Easy data integration and display in a weather observation system (AWOS) interface
- Comprehensive and customizable service range for the strongest availability and on-site service intervention

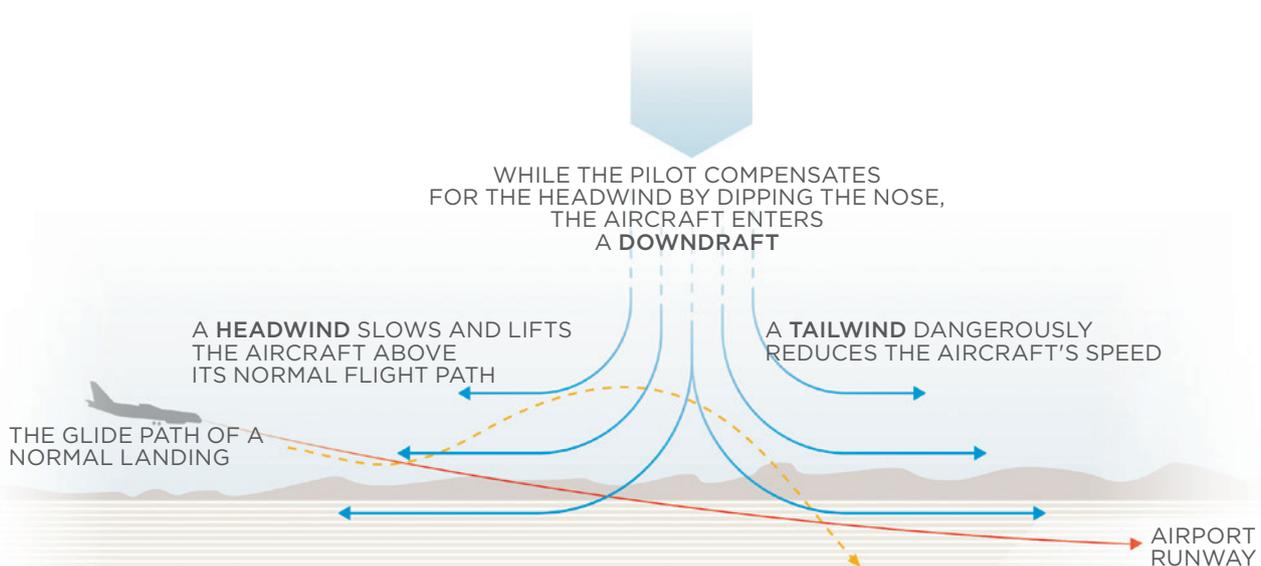
Why Vaisala?

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, project capabilities, and training so you can get the most from your system. With decades of experience providing the best technologies and the finest support, Vaisala's philosophy of partnership is unmatched in the industry.



VAISALA

www.vaisala.com/windlidars



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