

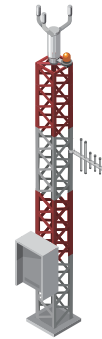
## Vaisala Low Level Windshear Alert System

Real-time windshear detection and alerting in any weather



**Vaisala Low Level Windshear Alert System (LLWAS) is the most widely used solution for airports known to experience low-level horizontal windshear. It uses the latest windshear algorithms developed for the U.S. Federal Aviation Administration (FAA) and patented by the University Corporation for Atmospheric Research Foundation (UCAR).**

Vaisala's LLWAS system is affordable, making it a good choice for many kinds of airports. Wherever it is deployed, pilots and air traffic control gain real-time windshear awareness, leading to better decision-making, more efficient traffic management, and streamlined operations.



### Key Benefits

#### Real-time situational awareness in any weather

In clear skies or stormy weather, Vaisala LLWAS provides air traffic control and pilots with an immediate, shared understanding of windshear dangers and necessary actions.

#### Backed by expert site selection and support

Vaisala's experts conduct detailed site surveys to ensure optimal sensor placement and operation in almost any airport geography.

#### Seamless integration and expandability

The system is designed and built on common Vaisala technologies and components for seamless compatibility and expandability with other airport weather systems.

# Vaisala LLWAS at a glance

## Applications

- Anemometer-based, low-level windshear detection and alerting in the runway corridor
- Can be deployed as a standalone system, as an extension to an existing AWOS, or as part of the Vaisala AviMet® Windshear Alert System

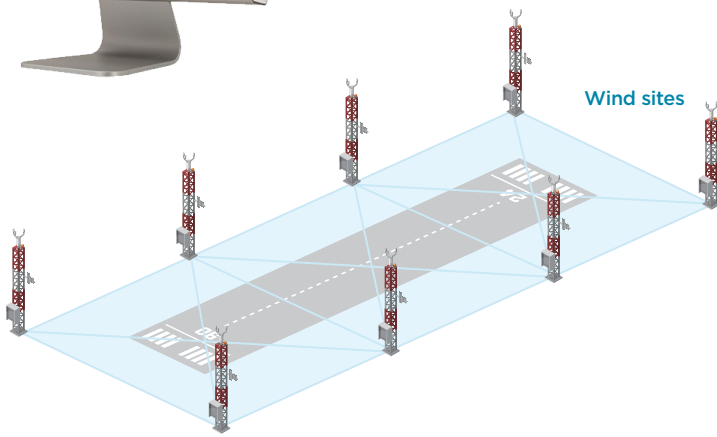
## Key features

**Designed to dependably measure and report** windshear of 15-30 knots and microbursts of 30+ knots, up to 1,000 feet AGL

**90% or greater probability of microburst detection**, coupled with 10% or less probability of false alerts

**Immediate, actionable alerts** provided to pilots and air traffic control for quick responses, shared situational awareness, and successful windshear avoidance

**Compliant to ICAO standards** and recommendations, as well as WMO regulations



## Why Vaisala?

The industry's most experienced windshear solution provider

Vaisala aviation weather solutions lead the industry because of their precision and dependability under the harshest conditions. They are built on 45 years of aviation experience and trusted in more than 100 countries, from Nordics to Africa and from the Americas to Asia.

## 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.

*Trusted aviation weather from cloud to ground*



Please contact us at [vaisala.com/contactus](http://vaisala.com/contactus)



Scan the code for more information

Ref. B211871EN-A ©Vaisala 2019  
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.

[vaisala.com](http://vaisala.com)