

## IRIS Focus for aviation

Scalable, modern remote sensing software for complete situational awareness at the airport and beyond



### Key benefits

#### Analyze your data faster

Easy-to-use visualization tools help you better understand all weather hazards including windshear and turbulence in all weather conditions.

#### Save time with integrated decision support

Use real-time situation displays and get customized alerts to monitor weather hazards. Operation users can be notified by email, SMS, and alert API.

#### Access anywhere, securely

Web-based software backed by high cyber-security standards, that allows up to 500 simultaneous users to easily share data. Easily share your data with other stakeholders, knowing your data is backed by the highest cyber security standards tested by industry experts

#### Optimize with one platform for multiple data sources

The comprehensive IRIS Focus software integrates data from various remote sensors and sources. Composites of the same types of remote sensors enhance the coverage of the whole system. The multiple layered visualization allows different data sources to be displayed at the same time, and supports professional airport meteorological forecasters to optimize workflows.

Extreme weather is growing in frequency and intensity with climate change, making it more challenging and more important to understand and anticipate weather hazards. Air traffic controllers, meteorological observers and other airport decision makers need to make fast, well-informed decisions with the ability to quickly analyze detailed weather data and generate real-time weather alerts.

With Vaisala IRIS Focus, you gain a superior understanding of storms, windshear and turbulence for safe and efficient take-offs and landings. IRIS Focus combines data from remote sensors including weather radar, wind lidar, lightning precision networks and other data sources like satellites to provide an interactive visualization of weather data.

Easy to use and share with uncompromising data security, the web-based interface includes storm tracking, nowcasting, and cross-section tools for a better understanding of storm movement and structure. Integrated decision support saves time with real-time monitoring, automated weather hazard detection, and customized alerts for a specified geographical area such as the airport, terminal maneuvering area, and beyond.

## IRIS Focus brings you more of the insights you need to make effective decisions

**Windshear detection and alerting** along approach and takeoff paths based on weather radar and wind lidar data.

**Turbulence** feature characterizes turbulence using wind lidar data and assesses severity of low-level turbulence — important for many airports in cities and close to complex topography like mountains.

**Characterization** of many types of weather hazards and weather conditions thanks to the set of analysis tools and products available.

**Nowcasting** feature indicates upcoming weather hazards and lightning storms up to 2 hours ahead.

**Fully-configurable weather events and alerts** based on multiple criteria that can be applied for each remote sensor and notified to operational users through email, SMS and Alert API.

## Why Vaisala?

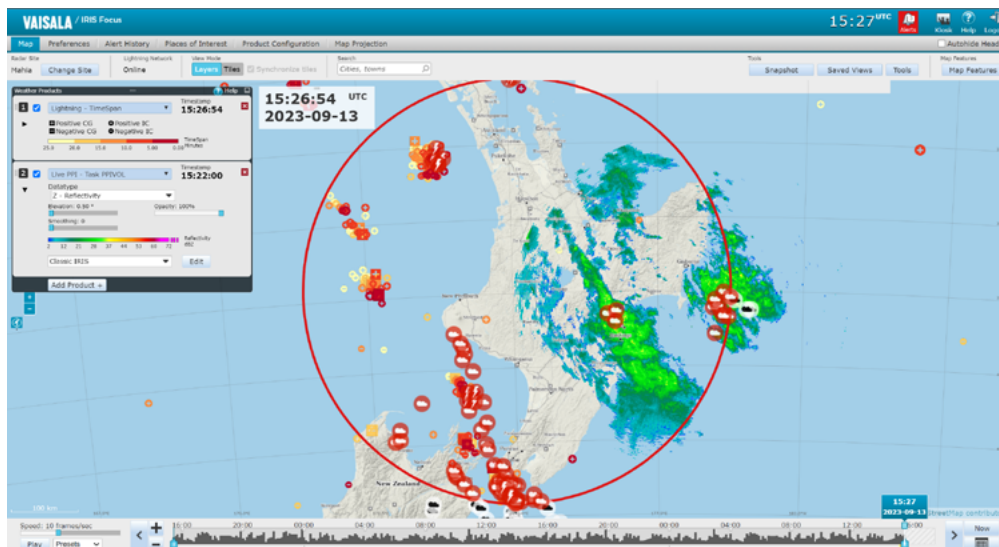
We believe in the relentless pursuit of quality and performance, anywhere and everywhere.

Vaisala is the most experienced aviation weather company in the world. Our AviMet® suite of solutions built on more than 45 years of aviation expertise that are trusted in more than 160 countries. Our aviation weather management and runway management solutions are comprehensive, automated, and scalable to keep airport operations running smoothly no matter what kind of weather or conditions you encounter.

Look to Vaisala for dependable support, project capabilities, and training so you can get the most from your solution. With decades of experience providing the best technologies and the finest support, our philosophy of partnership is unmatched in the industry.

### Key features

- **Web-based interface for visualizing data** at high resolution for detailed and complete weather awareness
- **Interactive real-time weather analysis tools** for processing data, generating weather alerts and nowcasting
- **Easy-to-configure events and alerts** save time and support fast, accurate decisions
- **Cyber security tested and audited** to the latest industry standards
- **Interactive tutorials, in-context help and tool tips** provide additional assistance and shorten training time



Weather radar data courtesy of Meteorological Service of New Zealand Ltd. Lightning data: courtesy of Transpower New Zealand Ltd.

*Trusted aviation weather from cloud to ground*

# VAISALA

[vaisala.com/aviation](https://vaisala.com/aviation)



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