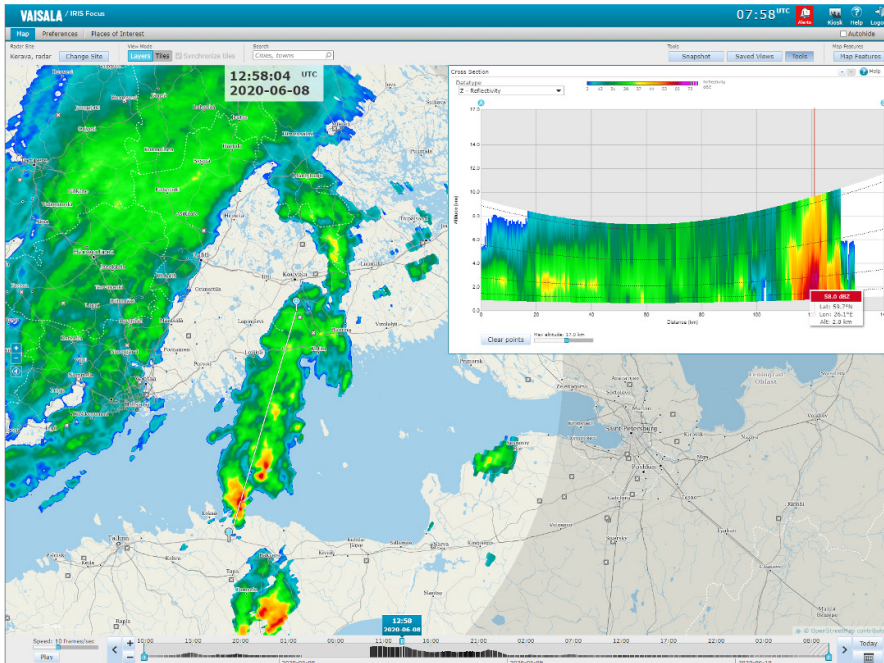


## Vaisala X-band Weather Radar for Aviation

Accurate weather observations when it counts



### Key benefits

**Improved safety, lower risk**  
Adverse weather is a persistent risk to airports, pilots, and passengers, but Vaisala X-band Weather Radar can help improve safety, efficiency, and flying comfort, since planes can be directed to avoid bad weather.

**Cost efficiency and ease of use**  
Low maintenance lifecycle costs and simple deployment make Vaisala X-band Weather Radar an appealing, affordable choice for many types of airports. It offers simple site selection, easy installation, and integration into existing networks.

**High data quality and availability**  
Modern solid-state transmitters deliver excellent accuracy, sensitivity, and data quality. The compact design of Vaisala X-band Weather Radar and its built-in redundancy make it a reliable system choice.

Vaisala X-band Weather Radar is a crucial asset for airport safety and efficiency. It gives operators the accurate weather information they need for early, correct operational decisions.

The system provides advanced warnings of a broad range of approaching weather phenomena, including wind shear, hail, freezing rain, thunderstorms, microbursts and more.

Additionally, Vaisala has designed the weather radar for compatibility with other airport weather systems, making it a versatile tool for airports around the globe.

## Vaisala X-band Weather Radar at a glance

A key part of Vaisala's aviation weather solution, AviMet, that is also a standalone product.

### Applications

- Wind shear detection and alerting
- Increase wind awareness: severe air turbulence, vertical wind profile
- Short-term weather nowcasting across a range of phenomena: rain, snow, hail, thunderstorms, microbursts and more.

### Key features

**Easy deployment** that can be completed within a week and doesn't require cumbersome installations

**Automatic and continuous calibration** that reduces labor and hands-on time

**Solid-state transmitter technology** that provides redundancy, reliability, and minimal maintenance needs — coupled with a world-class pedestal that enables fast and stable rotation to ensure high accuracy

**The best weather data available**, across a wide range of weather scenarios and phenomena

**Software tailored for aviation needs**, automated and configurable warnings and alerts, as well as related logs



## Why Vaisala?

### The industry's most dependable technology

Vaisala aviation weather solutions lead the industry because of their precision and dependability under all conditions. Vaisala has more than 45 years of aviation weather experience, hundreds of weather radars in use, and continuous, best-in-class weather radar R&D.

### 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*

# VAISALA

[vaisala.com/x-band](https://vaisala.com/x-band)



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