

# Vaisala X-band Weather Radar for Aviation

## Product Spotlight

### Trusted aviation weather from cloud to ground

Get accurate weather observations  
when it counts.

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.



## Key benefits

Vaisala X-band Weather Radar is easily deployed within a week, and doesn't require cumbersome installations.

Equipped with automatic and continuous calibration that reduces labor and hands-on time.

Created with solid-state transmitter technology, the X-band radar provides redundancy, reliability, and minimal maintenance needs – coupled with a world-class pedestal that enables fast and stable rotation to ensure high accuracy.

Get the best weather data available, across a wide range of weather scenarios and phenomena.

Equipped with software tailored for aviation needs, automated and configurable warnings and alerts, as well as related logs.

## Why Vaisala?

For over 45 years, Vaisala has been a pioneer in aviation weather technology, ensuring that every measure is taken for unparalleled safety, efficiency, and sustainability.

Our gold standard suite of solutions is trusted in more than 170 countries and over 2000 airports globally. In fact, every commercial flight around the world will use weather observations produced by Vaisala equipment or forecasts driven by our sensor measurements at some point in their journey.

With a commitment to constantly evolving our portfolio, Vaisala remains at the forefront of the industry, continuously exploring new horizons.

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.

## 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.

