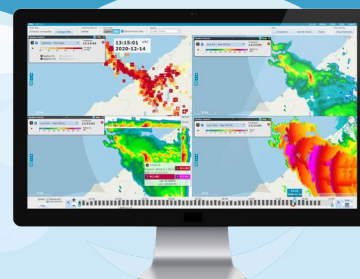# VAISALA

48 hours of precision: Airport weather nowcasting from the ground up

Advanced forecasting methods improve precision

- Mathematical weather nowcasting for the next 60-120 minutes (TREND forecast)
- AI: Neural networks-based nowcasting up to 8 hours (TREND and TAF)
- High-resolution atmospheric models for short-range forecasting up to 48 hours (TAF)

48 hours

Visualization and nowcasting software facilitates quick decisions

- Combines data from remote sensors, forecasting and other data sources to provide an interactive visualization of weather data
- Expands understanding of storm movement and structure for more accurate forecasts and earlier watches and warnings

Vaisala IRIS Focus: scalable, modern remote sensing software for complete situational awareness at the airport and beyond.

High-resolution observations feed high spatial and time resolution forecasts

0 hours

- Weather radar
- Scanning wind lidar
- Humidity profiler

Vaisala X-band and C-band weather radars

Vaisala WindCube® Scan *Airport Edition* wind lidar

Vaisala DIAL Atmospheric Profiler DA10 humidity profiler

vaisala.com/aviation