

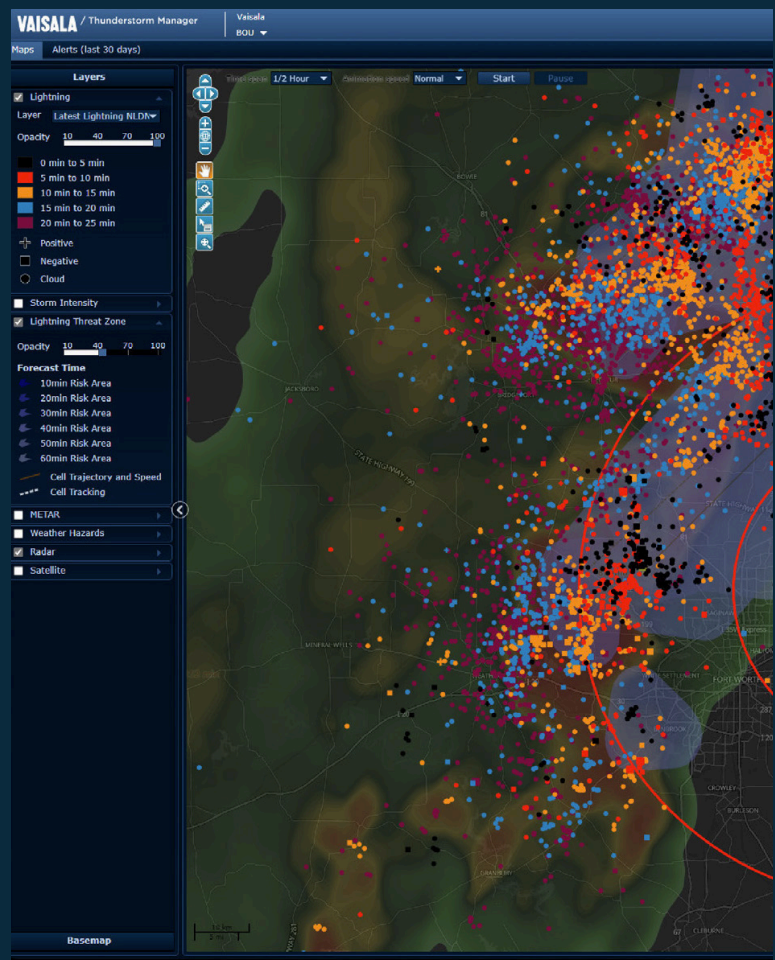
# Thunderstorm Manager for Aviation

VAISALA

## Product Spotlight

### Providing trusted aviation weather from cloud to ground

When storms are nearby, protecting safety while minimizing costly downtime are top priorities. Vaisala Thunderstorm Manager, part of our Xweather family of subscription based products, provides a reliable, comprehensive and streamlined way to protect personnel, improve operational resilience, and manage risks from lightning, tropical cyclones and severe storms.



## Key benefits

Create per-site alerts to meet or exceed industry standards for safety and compliance. Thunderstorm Manager supports three levels of alerts (information, warning and alarm), including custom trigger distances, alert areas, and a choice of triggering criteria.

Connect to on-site systems to warn personnel with flashing lights, sirens and on-screen displays. Use the secure alerting API to integrate alerts into weather operations software.

Send alerts and all-clear notifications to multiple email addresses, SMS phone numbers, and IoT warning systems. Replay recent storm activity with timeline animation and a 30-day alert history.

Lightning Threat Zone visualizes storm cell trajectories and risk areas in 10-minute intervals up to 60 minutes in advance.

Versatile display options let you see what matters most. Map layers include lightning (cloud-to-ground and in-cloud with a color-coded time stamp), satellite infrared, radar, temperature, wind, tropical cyclones, meteorological service alerts and more.

## 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.

Thunderstorm Manager delivers an all-in-one, standardized solution for lightning risk management, real-time storm monitoring and automated alerts for airports worldwide. Connect Thunderstorm Manager to on-site systems to warn personnel with flashing lights, sirens and on-screen displays, or use the API to integrate lightning alerts into your operational safety systems and procedures. With its global coverage, airport authorities and airlines can implement a standardized lightning management solution across airports in any location – nationally, on any island, or in any country.

### Applications:

- Monitor nearby storms and lightning events in real time to minimize operational downtime and delayed departures while maximizing worker safety with automated alerts
- Enhance your situational awareness and safety protocols by using the secure API to integrate lightning alerts into Vaisala AviMet and other weather management systems
- Automatically warn ground crews with flashing beacons, sirens, and display screens to stop work and seek shelter. Send all-clear notifications when it is safe to resume work
- Support regulatory and legal compliance while equipping airport personnel to easily meet industry and professional standards for audit and safety purposes

