

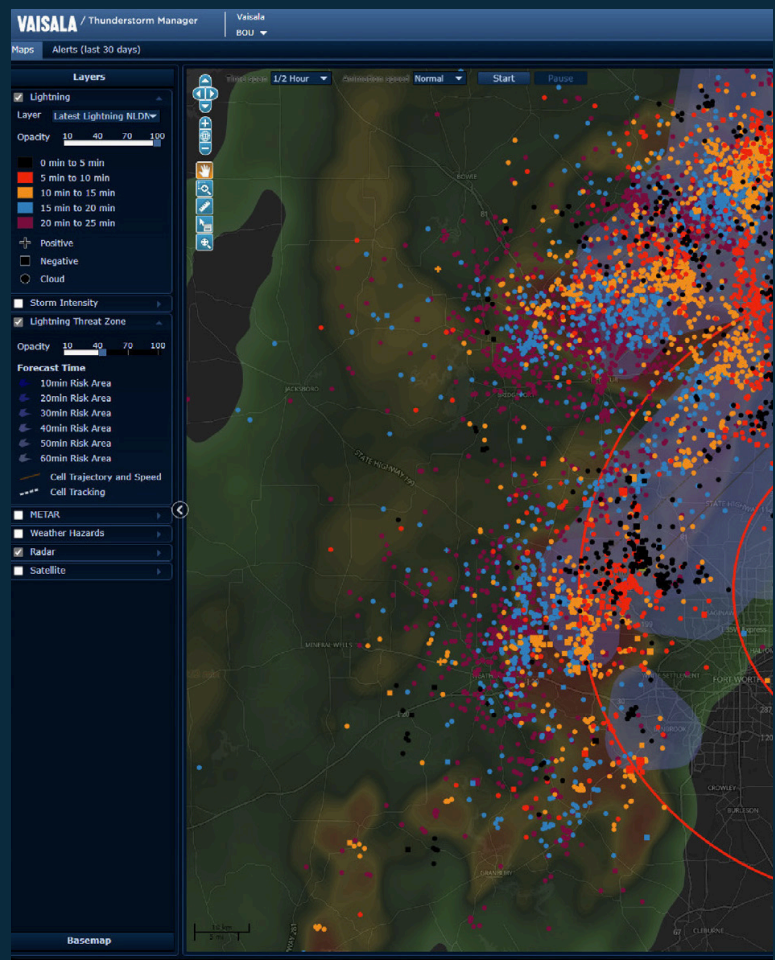
Thunderstorm Manager

VAISALA

Product Spotlight

Providing trusted weather observations for a sustainable future

When storms are nearby, ensuring safety while minimizing costly downtime are top priorities for most organizations. 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), custom trigger distances, custom alert areas, and a choice of triggering criteria.

Connect to on-site systems to warn personnel with flashing lights, sirens and on-screen displays.

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 review the 30-day alert history.

Lightning Threat Zone shows you whether storms are moving toward or away from your sites, or is currently overhead and ringing lightning alarms. It visualizes storm cell trajectories and risk areas in 10-minute intervals up to 60 minutes in advance.

Why Vaisala?

As the global leader in weather and environmental measurements, Vaisala provides trusted weather observations for a sustainable future. With over 85 years of experience and customers in 170+ countries, from the North and South Poles to Mars, we help provide the most reliable and accurate weather and climate information for better and safer daily lives.

Our instruments and intelligence are known as the gold standard for precision and reliability. As a sustainability leader we enable meteorology professionals to better understand, forecast and explain climate change. We continue to channel our curiosity into climate action and new ways of enabling a better planet for all.

For industries where downtime is expensive, a quick and accurate storm assessment plus automated lightning alerts maximizes crew safety while still maximizing profits. Thunderstorm Manager delivers an all-in-one, standardized solution for lightning risk management based on Vaisala's GLD360 and NLDN networks – the most trusted lightning detection networks in the world – for uncompromising performance.

Applications:

- Maximize worker safety at airports with automated alerts while monitoring nearby lightning events in real time to minimize operational downtime and delayed departures
- Monitor and track rapidly developing storms and tropical cyclones to improve maritime safety, protect offshore assets, and keep operations running
- Automatically warn mine workers with flashing beacons, sirens, and display screens to stop work and seek shelter; send all-clear notifications when it is safe to resume work

