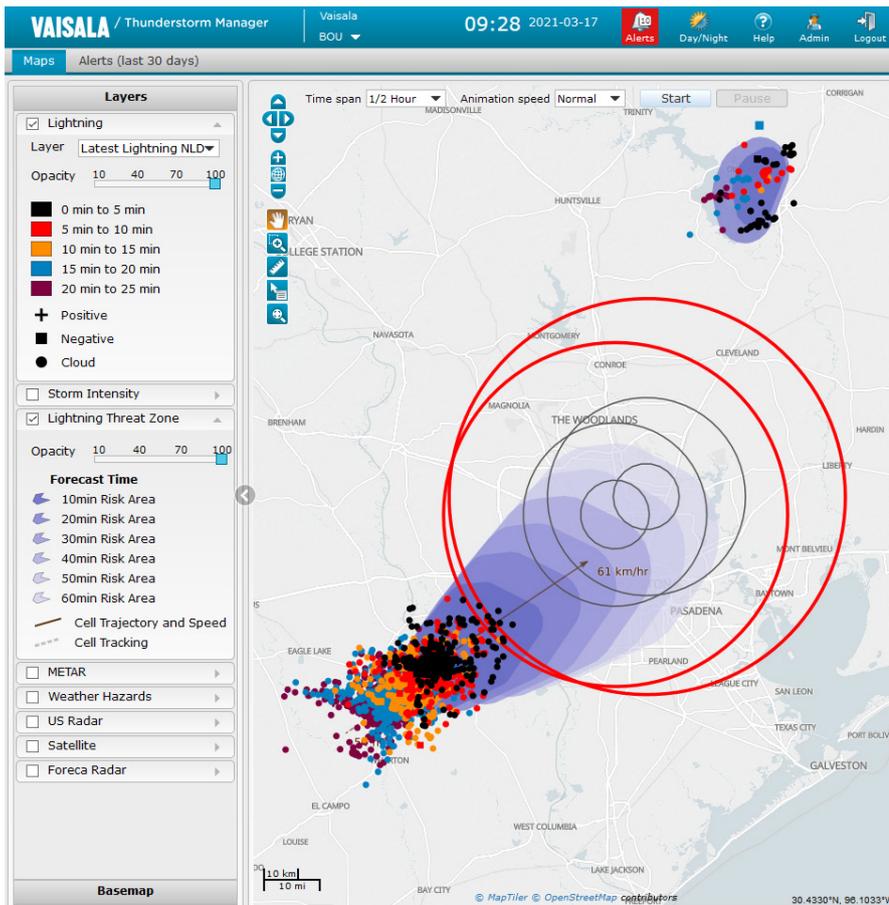


# Vaisala Thunderstorm Manager

Most accurate and professional thunderstorm tracking and alert management



## Key benefits

### Trusted industry partner

Thunderstorm Manager is built on NLDN and GLD360, the most trusted lightning detection networks in the world, and relied upon by the U.S. Armed Forces, National Weather Service, Federal Aviation Administration, and many large commercial organizations.

### Global, all-terrain coverage

The application provides fast lightning alerts for any place in the world, including oceans, the highest mountain peaks, and other geographic locations not covered by radar or meteorological instruments.

### Data when it matters most

Standardization across all user facilities enable consistent results driven by the most accurate and highest quality lightning data, which is available 99.99+% of the time.

### Easy access and automated alerts from any location

Based in the cloud, Thunderstorm Manager can be accessed via desktop or mobile device using any modern web browser from any location with internet access. Automated alerts can be sent by email, HTTPS, and SMS to multiple email addresses, devices, or phone numbers.

### Quality you can count on

Vaisala's commitment to the highest quality and most accurate lightning data supports organizations who prioritize quality and safety, regardless of your industry.

Worker safety and operational efficiency represent chief priorities for most organizations. When it comes to severe weather threats and disruptions, Vaisala Thunderstorm Manager offers a reliable, comprehensive, and streamlined way to maximize both safety and operational efficiency.

For industries where down-time costs thousands of dollars per minute, a quick and accurate assessment of the thunderstorm situation plus automated lightning alerts maximizes safety for ground and maintenance crews — while still maximizing profits. Vaisala Thunderstorm Manager is a web-based application that allows you to make or automate safety decisions in real-time, supporting storm surveillance applications at the global, national, and regional scale, all without needing to maintain your own lightning detection equipment.

# Thunderstorm Manager at a glance

## Key features

**Versatile display options** allow both cloud-to-ground and in-cloud lightning representation on a map, with updates every 30 seconds. Display includes lightning polarity, magnitude of each strike, and a color-scaled time stamp to visualize storm path. Plus the ability to toggle between day and night modes, and create videos to replay storm and lightning data.

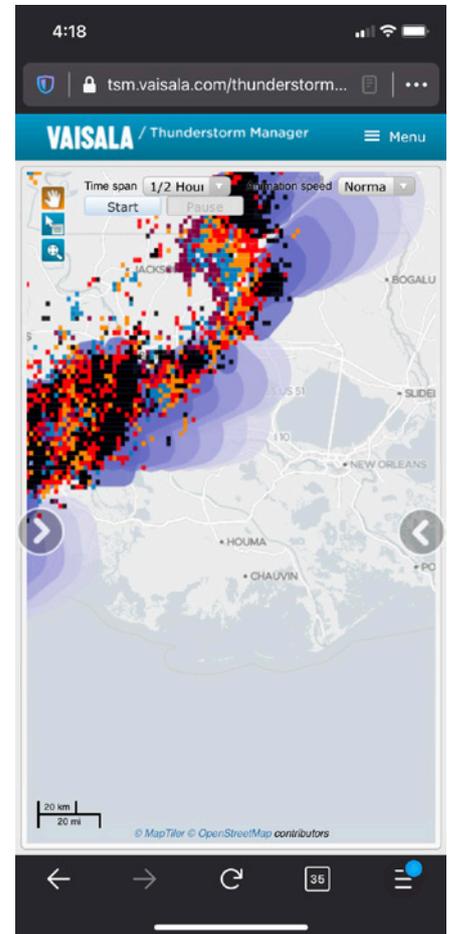
**Easy measurement** between locations, such as the distance between a cloud-to-ground lightning strike and an asset.

**Lightning Threat Zone** capability provides a one-hour forecast of the potential for lightning and severe weather in ten-minute increments, incorporating storm trajectory and storm cell velocity, speed, and direction.

**Multiple alert setting options**, including additional alert sites, levels of alerts (Information, Warning, and Alarm) depending on the distance to the site, optional custom alert-area shape, choice of alert-triggering criteria, up to a 30-day alert history, and all-clear alert notifications.

## Applications

- Reliable, accurate lightning detection enables real-time visualization of lightning events for airport and outdoor personnel to automate when to stop and then safely resume operations.
- The Lightning Threat Zone forecast improves user understanding of a thunderstorm that may be approaching, moving away, or is currently overhead and ringing lightning alarms.
- Real-time alerts provide situational awareness to maximize efficiency and safety.
- Easily meet or exceed industry standards for safety and compliance.



## Why Vaisala?

### No other company captures more data on lightning events than Vaisala

Vaisala delivers the most accurate and reliable lightning information wherever and whenever you need it. No matter how you use lightning information, your decisions and evaluations demand the best data possible. Vaisala is the clear leader in lightning detection, and no other company comes close in terms of quality, accuracy, or coverage of lightning data.

### The industry's most dependable thunderstorm tracking technology

Vaisala thunderstorm tracking systems have led the industry for over 30 years. Our high-precision real-time lightning detection networks connect to globally distributed Vaisala lightning sensors, providing alert coverage for any location in the world — including oceans, mountain peaks, and other areas not typically covered by radar.

**VAISALA**  
DIGITAL

[vaisala.com/lightning](https://vaisala.com/lightning)



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