



Features

- Lightning Threat Zone – a one-hour forecast of the potential for lightning and severe weather (in 10-minute increments). Includes a storm trajectory display, and a storm cell velocity vector with speed and direction.
- Storm track – showing history of the storm route
- Storm Intensity – displays current lightning threat region, and the storm intensity level

Vaisala Thunderstorm Manager 1.2 is a professional thunderstorm tracking and alert management application and indicates the possibility of severe weather. Vaisala Thunderstorm Manager is a web-based application to assist you in tracking approaching storms. It supports a broad range of applications from synoptic or national scale lightning surveillance, to keeping local ground and maintenance crews safe, and operational stoppages at a minimum.

Benefits

- Easy access using any modern web browser
- Access data for anywhere
- Available to you now
- Proven best quality data
- Global oceanic and continental coverage

Storm tracking

Vaisala Thunderstorm Manager enables you to track approaching storms in real-time. You can use a desktop or mobile device browser to access the displays.

One or multiple sites with alerting rings, defining an alert region, will serve to notify you about lightning taking place in the area.

Quality lightning data

Thunderstorm Manager is powered by lightning from the Vaisala global lightning detection network, GLD360, and lightning from the Vaisala US National Lightning Detection Network, NLDN. Both networks are proven industry leaders, delivering excellent detection efficiency, location accuracy, and distinction between cloud and cloud-to-ground lightning.

Alerts

Independent of the display, alerts are working in the background and are server-based.

Multiple alert areas per site have different types of notifications (for example, Information, Warning, and Alarm) depending on the distance to the site.

Alert notifications can be received via email and SMS, including all-clear notices.

Additional features

General features

- Map display for both cloud-to-ground and cloud-to-cloud lightning updates every 30 seconds
- Display of lightning polarity and graphical representation of the magnitude of each strike
- Time discrimination of lightning to determine the storm path through color-coded symbols
- Display of coordinates that follow the cursor
- Zoom and pan with dedicated zoom area selection
- Hover over lightning events for display of more detailed information
- Measure distance between 2 points (for example, between strike location and asset)
- Toggle day and night modes

Alert features

- One alert site standard, but more sites can be added for extra charge
- Add up to 3 levels of alert per alert site
- Standard alert regions are circles, but customers can define polygons for an extra charge
- Choice of alert-triggering criteria (for example, one or more lightning events, cloud and/or cloud-to-ground lightning)
- 7-day alert history
- Alert notifications to email and SMS
- Alerts to multiple email addresses or cell phone numbers
- All-clear alert notifications when no lightning has occurred after a predetermined amount of time.

Animation features

- Choose from multiple time periods (from ½ hour up to 24 hours), from present time to 7-day history
- Choose various replay speeds