

# Vaisala Thunderstorm Manager

/ PROFESSIONAL THUNDERSTORM TRACKING AND  
ALERT MANAGEMENT APPLICATION



**VAISALA**

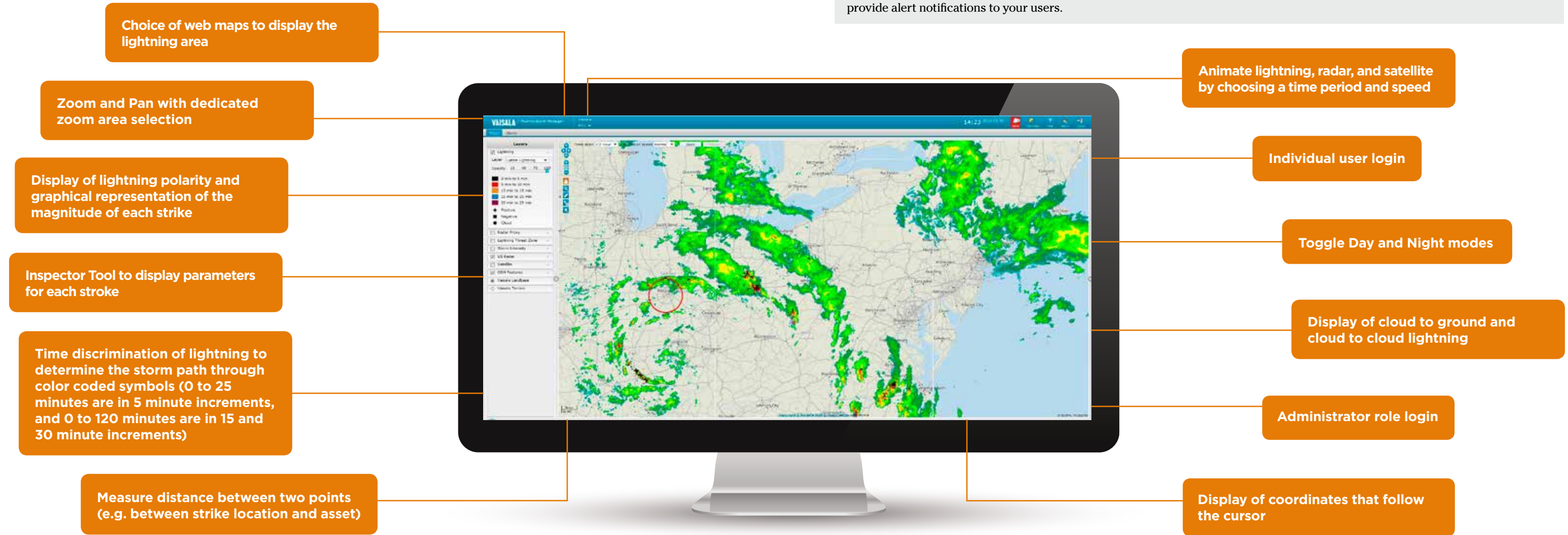
## Vaisala Thunderstorm Manager

*When it is your job to keep operations running efficiently, protect assets, or worry about the safety of people when severe weather approaches, you need easy access to timely and accurate information. Thunderstorm Manager is the latest software to assist you in tracking approaching storms.*

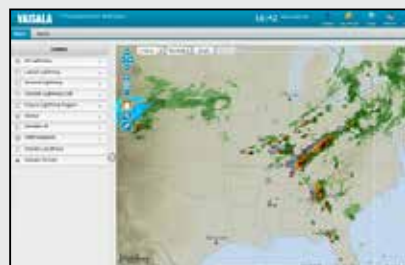
### Overview

Vaisala Thunderstorm Manager is a web based application that helps you track approaching storms in real time. Several advanced tracking tools are available, such as radar and satellite overlays, radar proxy, and lightning risk prediction. You can use a desktop or mobile device browser to access the displays. One or multiple sites with alerting rings or polygons defining an alert region will serve to notify you about lightning taking place in the area. Notifications are sent by email or text to a cell phone.

The Vaisala Thunderstorm Manager tracking system utilizes Vaisala's Global Lightning Dataset (GLD360) for lightning detection **anywhere**, including oceans, and our high precision National Lightning Detection Network (NLDN) in the US. If you have your own precision lightning detection network, the Thunderstorm Manager Server option can be used to display real time lightning and provide alert notifications to your users.



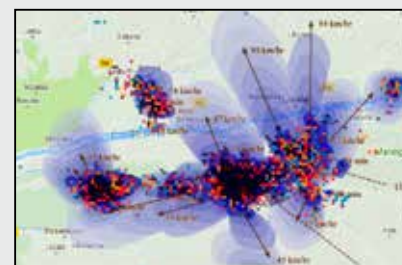
### Advanced Monitoring and Operational Tracking Tools



Radar (where available) with Lightning



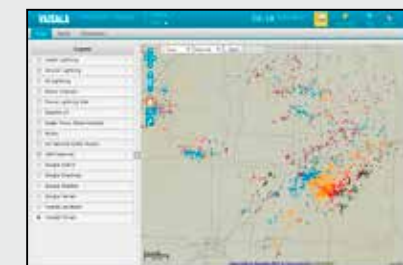
IR Satellite (where available)



Storm Intensity and Lightning Threat Zone with storm tracking (optional)



Radar Proxy (optional)



Choose Your View - Cloud-to-Ground Lightning Only for up to 2 Hours



Choose Your View - Total Lightning (cloud and cloud-to-ground)



## Applications

If your operations require accurate lightning storm status over a small area, globally, or anything in between, rely on the most scientifically validated lightning networks in the world with close to 100% thunderstorm detection – Vaisala lightning networks. The applications for Vaisala Thunderstorm Manager include:

-  **Meteorological and hydrometeorological agencies**
-  **Air traffic management**
-  **Electric power companies**
-  **Wind farm operators**
-  **Forestry and land management agencies**
-  **International airports**
-  **Telecommunications networks**
-  **Defense**
-  **Mining industry**
-  **Maritime operations**
-  **Road operations**
-  **Any other professional agency with operational activities affected by lightning**

## Add-on Features

- **Lightning Threat Zone** - up to a one-hour forecast of the potential for lightning in a region, including
  - Storm trajectory display
  - Storm cell velocity vector
- **Storm Intensity** - displays current lightning threat for your region and the storm intensity level
- **Radar Proxy** - simulated radar image for locations where radar data is not available, based on lightning information

## Alert Features

- Add as many alert sites as necessary
- Add up to 3 levels of warnings per alert site (Information, Caution, Alarm)
- Define alert regions using circles or polygons
- Get e-mail or SMS alerts for each alert site, within each lightning area
- Deliver customized alerts to multiple e-mail addresses or cell phone numbers
- Get All-Clear alert notifications when no discharges have taken place after a predetermined amount of time (e.g. 30 min.)

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[www.vaisala.com](http://www.vaisala.com)

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[www.vaisala.com/requestinfo](http://www.vaisala.com/requestinfo)



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