

Elements Protect



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The weather visualization application allowed us to have the big picture of what is local and low in the atmosphere, in real-time, that we could not see any other way. The localized view of real-time weather provides us with the ability to see what is happening with the weather, depending on the hazard scenario.

— Rick Zyvoloski,
Emergency Management
Coordinator at Collier County

The ultimate web-based weather monitoring, visualization, and alerting tool

With numerous preset and custom layers of real-time weather information and severe alerts, Elements Protect is the ultimate weather monitoring, visualization, and alerting tool for those in charge of keeping people safe, protecting property and managing resources.

OVERVIEW

Forecasts help you prepare for tomorrow, now-casting delivers real-time information to influence decisions today. Our web-based monitoring, visualization and alerting platform shows you current weather conditions in one intuitive and easy to use interface—on your computer or mobile device. Elements Protect combines the best of our patented weather and lightning observation metrics with powerful data representation, visualization and alerting capabilities.

BENEFITS



Track 80+ real-time weather conditions, including radar, temperature, and lightning to get a more complete view of weather conditions.



Create custom weather notification rules and receive alerts via email, text or mobile app to know when severe weather is impacting specific locations.



Display and share live weather maps and data to distribute critical information and keep everyone informed across your organization.



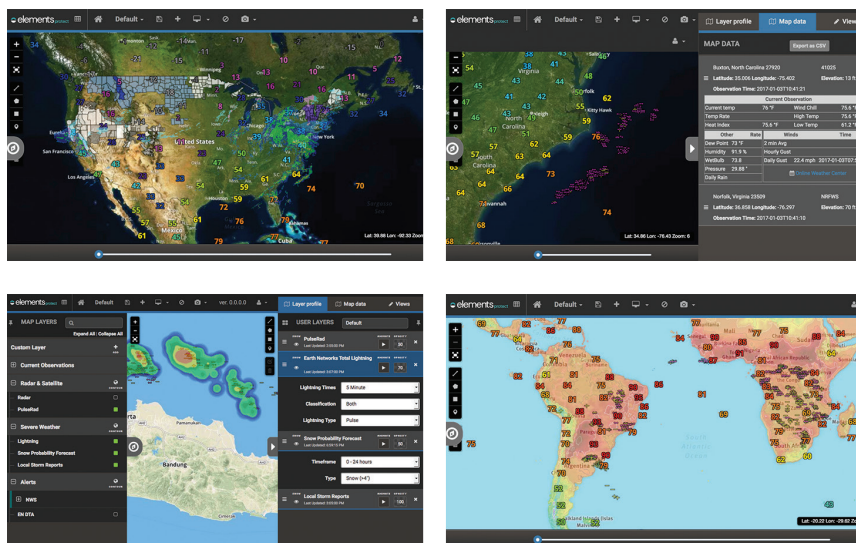
Get up and running quickly with a user-friendly application that is compatible with your web browser and mobile devices.

ASK ABOUT THE MOBILE APP

Stay on top of the weather while on the go. Access Elements Protect and receive real-time severe weather alerts right on your mobile device when and where you need it most.

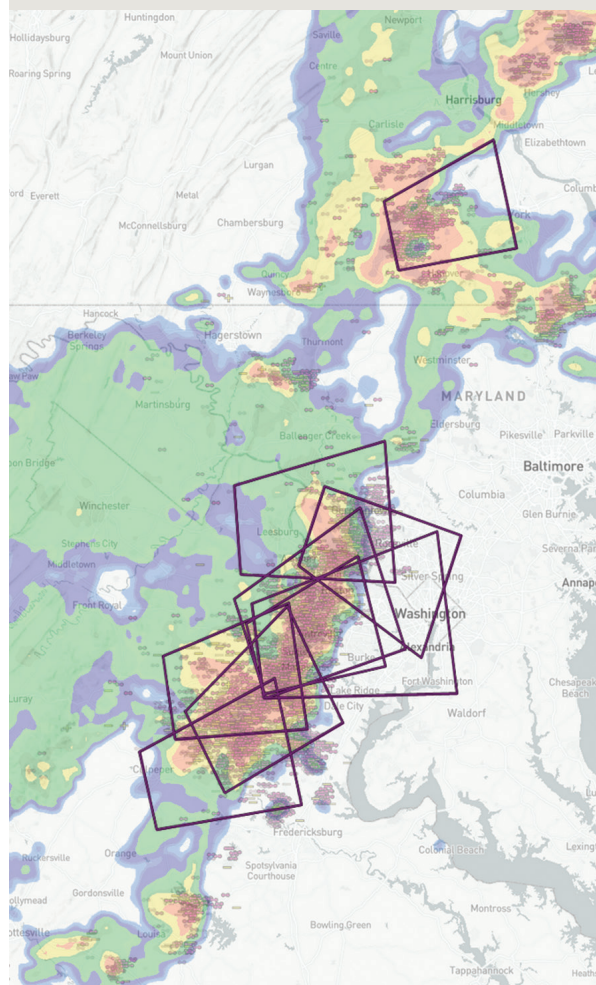
Increase response times with the industry's most advanced severe weather warning

Elements Protect provides emergency managers, airport crews, stadium managers, event staff, facility managers and operations centers with web-based access to our best weather detection technologies. Only Elements Protect shows live radar together with lightning flashes detected by the Earth Networks Total Lightning Network®—the first to comprehensively capture both cloud-to-ground and in-cloud lightning.



Key advantages:

- Make intelligent weather-related decisions
- Collaborate with stakeholders during severe weather events
- Prioritize safety and security



What powers Elements Protect?

WORLD'S LARGEST WEATHER NETWORK

Data you can trust from AEM's proprietary network of more than 12,000 professional-grade hyper-local weather stations. Each weather station monitors more than 25 metrics which are updated every 2 seconds.

EARTH NETWORKS TOTAL LIGHTNING NETWORK®

If you want the fastest severe weather warnings for your organization, you need intelligent weather data powered by total lightning detection. At AEM, we pioneered total lightning detection as the first innovator to accurately detect and classify both in-cloud and cloud-to-ground lightning. With over 1,800 sensors in 100+ countries around the globe, our expansive network provides the most reliable and precise lightning detection in the world. This superior total lightning solution enables us to generate faster, localized storm alerts so you can act quickly when dangerous weather threatens.



PROTECT LIVES WITH DANGEROUS THUNDERSTORM ALERTS

Powered by our Total Lightning Network, our exclusive Dangerous Thunderstorm Alerts (DTAs) deliver the fastest and most technologically advanced severe storm notifications.