Severe Weather Risk Management

Key applications:

- Business continuity and operational resiliency
- Public safety and emergency management
- Severe weather prediction and tracking
- Data science and analytics

POWERFUL, PRECISE LIGHTNING DATA

Tap into the innovative technology and machine learning models of our Earth Networks Total Lightning Network® for the most accurate and reliable lightning detection in the world.

Data and insights to build severe weather resiliency

Severe weather events can unleash costly damage at any time. In the face of increasingly large and unpredictable storms, building weather resiliency requires accurate, reliable information to proactively minimize the impact of lightning, high winds, snow and ice, extreme heat, and more.

AEM's Severe Weather Risk Management solutions provide a complete suite of reliable tools, actionable insights, and meteorological expertise needed to prepare for severe weather threats, absorb their impacts, recover effectively, and adapt to respond even better the next time.

500K+	440M+	28+
Weather stations deployed	Lightning pulses detected	Expert meteorologists

BENEFITS

View accurate, hyperlocal insights customized to your needs and powered by real-time scientific data to make critical decisions when minutes matter.

Automate decisions and improve response time with instant alerts to keep everyone, including first responders and field teams, updated on changing weather conditions.

Prepare for every weather scenario with tailored, pinpoint forecasts and live weather consulting by an expert team of meteorologists.

Access a library of trusted weather data to visualize long-term trends, spot potential safety concerns, and gain a deeper understanding of where you could be at risk.

Total protection for severe weather

Connect to the ideal combination of data, risk analysis, and strategic insights with a complete solution from a single, trusted partner.

Design, install, and maintain networks: Strengthen your monitoring and analysis capabilities with a tailored severe weather solution and activate your network with our global team of certified technicians.

Collect, analyze, and distribute data: Access real-time and historic insights and forecasts from our expansive weather and lightning networks and integrate data from your own weather monitoring system.

Monitor real-time local conditions: Build a custom network of sensors and measure the conditions that matter most to you - from temperature, wind, rain, and snow to lightning and extreme heat to air quality and more.

Visualize and share data: Turn to the ultimate severe weather visualization, decision support, and alerting tool to easily view and analyze a vast library of local and global severe weather data.

Deliver alerts to initiate action: Proactively notify key personnel and the community when dangerous weather conditions exist with automated outdoor warning sirens and alerts via email, text, and push notifications.
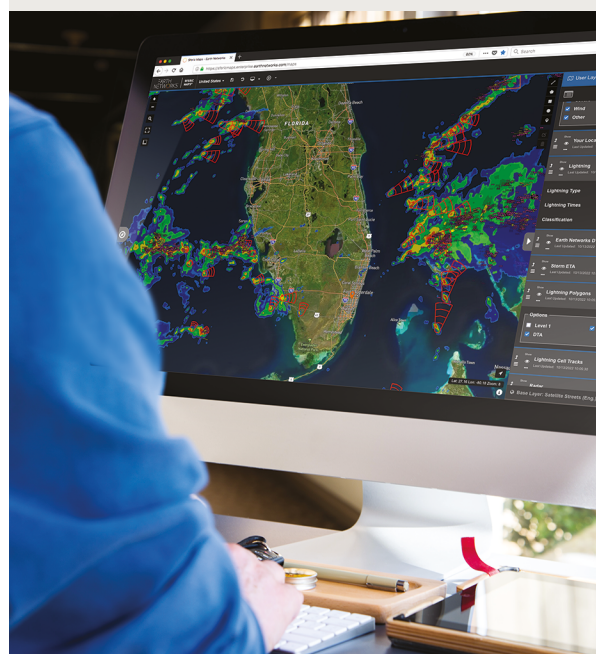

Guide decisions with expert support: Call on our 24/7 team of veteran meteorologists to give you precisely the information you need with live weather consulting and accurate, pinpoint forecasts tailored to your operations.

Key industries:

- Airport operations and airlines
- Club and sport
- Education
- Emergency management
- Energy utilities and renewables
- Parks and recreation
- Military
- Mining
- Parks and recreation

SEVERE WEATHER TRACKING WITH SFERIC MAPS®

Track storms headed your way with Sferic Maps. View the storm's estimated time of arrival along with forecasts, animated radar, and real-time lightning strikes.

To find out more about all of our technologies, visit **aem.eco** or contact us at **info@aem.eco**