INDUSTRY OVERVIEW

Airport operations

Protect ground & maintenance crews, equipment, and facilities from severe weather

Weather safety is crucial at the airport, from protecting employees and passengers to safeguarding equipment. AEM’s Airport Operations solutions help you monitor developing weather with highly accurate forecasting, tracking, and alerting to keep you ahead of the storm. Our technology and on-call meteorologists empower your team to lead with confidence during adverse weather events.

SOLUTION OVERVIEW

• Complete weather and hydrology multi-hazard warning system
• Real-time weather, lightning, and pavement condition monitoring
• Multi-platform customizable alerting
• Flexible configurations to meet your specific needs

BENEFITS

• Minimize downtime and delays with real-time alerts and all-clears to keep operations running smoothly
• Increase response time and get ahead of severe weather events with continuous monitoring and alerting of weather conditions
• Prepare for diversions and ensure passenger and personnel safety using accurate, real-time weather data to inform your decisions
• Meet staffing needs when weather delays lead to crew time-outs and a backlog of work

The automated weather solution helped us in the long run. It provides real-time intelligence we need to make more informed weather-related decisions. And most importantly, it helps us plan for severe weather and improve our operational efficiency tremendously.

— Mark Sprague, C.M. Deputy Director of Airport Operations and Facilities, St. Pete-Clearwater International Airport
Integrated weather solutions for safe airport operations

AEM provides industry-leading solutions for weather safety through accurate, real-time data collection and alerting. Our complete solution offers the hardware, software and experts needed to inform critical decisions and efficiently manage safe airport operations.

Key products

- **Lightning & Severe Weather Tracking and Alerting**
- **Precision Weather Stations and Outdoor Alerting**
- **Pavement Condition Monitoring**
- **24/7 On-Demand Forecasting Support**

Key features:

**Weather Monitoring and Alerting**
- Our weather stations measure lightning, wind, temperature, precipitation, and more to keep you updated on weather threats.
- Audio or visual outdoor alerts warn staff and visitors of nearby lightning activity.
- Automated multi-channel alerts for remote monitoring of weather conditions.

**Pavement Condition Monitoring**
- Real-time data on high water, icy road, low friction/visibility, and high wind conditions.
- Programmable severe road weather alerts.
- Customizable systems to fit specific airport needs.
- In-pavement, non-intrusive, and mobile sensor options.
- Supports ground crew and passenger safety.

**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.