

AIRPORT OPERATIONS SOLUTIONS



PROTECT GROUND OPERATIONS AND AIRPORT FACILITIES

Severe weather impacts all aspects of airport operations. Protect crew and passengers and safeguard capital assets with the world's best weather data products and services. We'll put together a custom technology solution to help you achieve all your goals.

OVERVIEW

Convective events pose significant risk to aircraft, crew and passengers while in flight as well as during approach, arrival and departure; and this risk extends to ground operations. Airports are typically at risk from lightning strikes due to their open landscape and the presence of towers and antennae. Having accurate and timely weather and lightning information is crucial to ensure optimal operations and keep ground crews as safe as possible. Airports must be equipped with advanced equipment and technology for weather monitoring, advanced warning of lightning and severe weather alerting.



After a six-month period of using lightning-derived storm tracking from Earth Networks, we found our rate of false alarms decreased, and have improved our ability to predict when a storm will pass, helping to eliminate delays due to convective storms, which account for 40% of the incident cases in our area of control.



Thomas Sobakam, Manager of Meteorological Services, ASECNA

BENEFITS



CUSTOMIZED WEATHER DASHBOARD

Our web-based monitoring, visualization and alerting platform shows current weather conditions that are relevant to your operations in an easy to use interface—on your computer or mobile device



METEOROLOGICAL SERVICES

We have our own expert team of meteorologists for round-the-clock weather forecasts



ADVANCED WARNINGS

Our total lightning network not only provides warnings for in-cloud lightning, but also helps predict wind shear and downbursts. An extra, 20/20 pair of eyes on the skies where you operate



GET LIGHTNING ALERTS 50% FASTER

Leverage the first commercially available outdoor mass notification system that is fully integrated with in-cloud and cloud-to-ground lightning detection technology

KEY PRODUCTS

- Dangerous Thunderstorm Alerts
- Meteorological Services
- Sferic Maps
- Sferic Mobile
- Outdoor Alerting System
- Weather Station

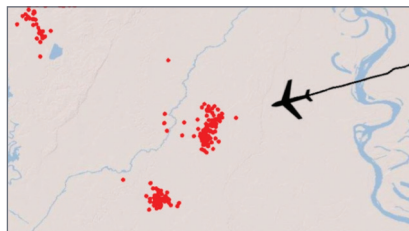
KEY FEATURES

- Reduce crew and passenger injuries
- Ensure operational continuity
- Avoid aircraft damage from hail and lightning strikes
- Minimize false alarms
- Improve on-time performance
- Get detailed forecasts from our 24/7 meteorology team

ACCESS TO THE WORLD'S BEST LIGHTNING DETECTION TECHNOLOGIES

Airport operations professionals such as air traffic controllers, ground crew, and air carrier operations will benefit from our flexible integrated options for reducing weather-related risks.

KEY PRODUCTS



Dangerous Thunderstorm Alerts

Know when severe weather is headed toward your airport.



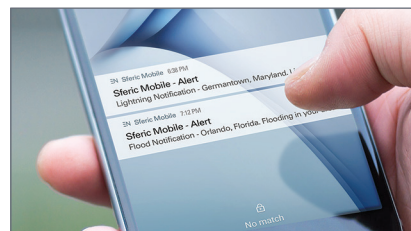
Meteorological Services

Our professional meteorologists are available by phone 24/7 to provide breaking updates on changing weather conditions and forecasts.



Sferic Maps

Collaborative web-based weather visualization and planning dashboard.



Sferic Mobile

Severe weather alerts for iOS and Android devices.

CONNECT WITH US

For more than 20 years Earth Networks has operated the world's largest and most comprehensive weather observation, lightning detection, and climate networks.

Our observations inform and alert consumers, enterprises and governments around the world, providing them with advanced environmental intelligence for decision making and safety.

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Outdoor Alerting System

Protect ground crew, airport personnel, and visitors outdoors with an automated outdoor alerting system.



Weather Station

Monitor changing weather conditions at a hyper-local level with a dedicated weather station.