

ENERGY & UTILITIES



PREDICT AND PREVENT OUTAGES

The integration of real-time weather information into the power grid enables operators and managers to effectively and efficiently operate a grid under changing weather variables enhancing: storm damage response, smart grid intelligence, mitigation of power outages and service disruptions, demand forecasting and response support and consumer demand response programs.

OVERVIEW

Severe weather is the leading cause of electric power outages causing widespread damage to distribution systems and, in extreme weather events, can cause catastrophic damage to transmission systems. Real-time localized data from Earth Networks is the missing piece in outage forecast modeling. We provide advanced weather intelligence so utility companies can efficiently mobilize resources to reduce restoration time, while communicating more accurately with affected customers.

BENEFITS



CONFIGURE CUSTOM ALERTS FOR SPECIFIC LOCATIONS

Our alerting platform puts you in control of what, when, and how you get alerts for weather that could impact your grid. Easy to configure notifications are pushed to your mobile device.



METEOROLOGICAL SERVICES

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



IDENTIFY CORRELATIONS WITH WEATHER

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.



LEVERAGE COLLABORATION TOOLS IN REAL-TIME

We know you rely on a cross-functional team to plan and respond to issues with the grid. Get everyone on the same page by sharing your weather dashboard with remote teams in real-time.

KEY PRODUCTS

- Sferic Maps
- Sferic API
- Meteorological Services

KEY FEATURES

- Build more accurate outage models with live weather data
- Identify the time and location of outages more precisely
- Enhance preparation and faster recovery to lower outage costs
- Optimize preparation and recovery plans
- Deploy field crew to areas with potential outages

REAL-TIME WEATHER OBSERVATIONS FOR GRID OPERATIONS AND MANAGEMENT

KEY PRODUCTS



Sferic Maps
Collaborative web-based weather visualization and planning dashboard



Sferic API
Infuse real-time weather information, hourly forecasts utilizing high accuracy models, and other top-notch weather data into your applications and analytical models.



Meteorological Services
Rely on our team of top weather scientists to advise you 24/7

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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