

# Data and APIs



**EE** Earth Networks lightning technology and real-time data services have enabled us to rapidly expand and enhance the Australia Total Lightning Network (ATLN). Earth Networks has continued to evolve and enhance both hardware and software to enable us to provide a comprehensive solution to organizations and business right across Australia. This service is now trusted by both large government and commercial enterprises.

— **Martin Palmer**  
Managing Director, Weatherzone

## A wide net of data to drive your apps and analytics






Unlock weather data from around the world and bring real-time, forecast, and historic insights into your own applications and analytical models.

### OVERVIEW

AEM operates the largest real-time weather and lightning sensor network in the world using integrated data from global sources to deliver precise, accurate and reliable weather information. Our comprehensive data and API services deliver the hyperlocal weather information that matters most to you and your users utilizing best-in-class performance models with the lowest margin of error and quality-controlled weather data.

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**ASK ABOUT: LIGHTNING DATA PRODUCTS**

Keep your organization safe and plan ahead with advanced lightning data solutions powered by the Earth Networks Total Lightning Network®.

-  Quickly and easily integrate high-quality weather information in the desired format into your apps, business tools, and analytics.
-  Choose from a wide range of flexible options to gather data and insights relevant to your business and specific needs.
-  Get simple, direct access to historical or live total lightning and weather data in the way that works best for your organization.
-  Ensure users have access to information they need with fast, hyperlocal weather data that refreshes every few seconds.
-  Receive pinpoint accurate forecasts that infuse real-time, localized sensor data to create bias-corrected weather predictions for any location in the world.

# Great data leads to good decision making

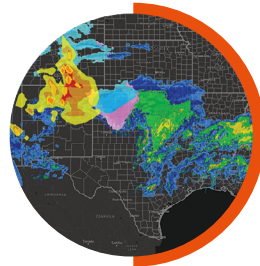
Weather can have a big impact on your daily operations and customers. Integrate real-time weather information, localized forecasts, and other top-notch weather data from the world's largest professionally managed weather network to make better decisions.



Power your websites and apps with our real-time data and map tiles



Analyze hourly or daily forecast data to inform critical decisions



Integrate fast, accurate data in weather-related software, applications, and models



Investigate recent severe weather and lightning activity in your operational areas



Use pinpoint forecasts to predict power generation and potential outages



Keep employees, field personnel, visitors, and your community out of harm's way.

## We have the data you need

- Real-time weather observations
- Daily and hourly weather forecasts
- Total lightning data and Dangerous Thunderstorm Alerts (DTAs)
- Historical lightning and weather data
- National Weather Service alerts
- Air quality
- Radar and maps
- Sunrise and sunset times and UV index



### ASK ABOUT: SFERIC API

Our flexible Sferic API allows quick and easy integration of real-time weather conditions and hourly forecasts for any point on the globe.

To find out more about all of our technologies, visit [aem.eco](http://aem.eco) or contact us at [info@aem.eco](mailto:info@aem.eco)