# Wildfire Risk Management



**ASK ABOUT: WILDFIRE WEATHER STATIONS**

Our portable and fixed-site Remote Automated Weather Stations (RAWS) have been trusted for over 40 years by the top 50 Government Forest Management agencies in the US and Canada to provide accurate and timely data for the national fire danger rating systems.

## A more complete view of wildfire risk

Every year, 35 million hectares – or about 1% of the world's forests – are lost to wildfire. To address rapidly rising wildfire risk across the globe, a reliable fire danger rating system based on accurate and timely weather data is the foundation for effective wildfire risk management. AEM uniquely combines wildfire, hydrology, and severe weather technologies to deliver the full spectrum of solutions needed to gather situational awareness and enable rapid organizational response to wildfire risk.

**500**M

Wildfire weather data points collected every year

**3,000**+

Global wildfire weather stations delivering data

**9,518**

Calculated red flag warnings in 2021*

* Source: Iowa State University, Iowa Environmental Mesonet

### BENEFITS

Inform critical decision-making using trusted technology and real-time data from the most expansive wildfire, weather, and lightning networks.

Keep public, personnel, and emergency responders safe using accurate, reliable wildfire weather data when and where you need it.

Be ready for every stage of the wildfire event curve – prevention to detection to response to recovery – with a complete solution from a trusted partner.

Visualize forecasts, wildfire alerts, and critical data in a secure platform for a more complete picture of wildfire risk.

# Solutions for every wildfire risk management need

AEM wildfire risk management solutions are used internationally and supported by government agencies and utilities to manage and mitigate wildfires around the globe.

## Preparedness

Access accurate, real-time environmental data from fire weather systems and networks to understand risk and prepare for fire danger

## Prevention

Analyze environmental conditions to pinpoint high risk areas and prioritize prescribe burn locations and vegetation management

## Detection

Enhance real-time situational awareness to accurately detect lightning and verify wildfires impacting your infrastructure, operations, and community

## Recovery and Rehabilitation

Deploy portable or fixed-site solutions to monitor post wildfire risk, such as flash flooding and erosion, in altered burn areas

## Response

Monitor fire behavior and environmental conditions to know where to deploy resources and how to keep people safe

# Key platform features

- Security and privacy built in from the ground up

- Real time GIS mapping of 1st and 3rd party data

- Intelligent and automatic alerting from any data source

- Public access for shared resources and community awareness

**ASK ABOUT: HIGH-DEFINITION PTZ CAMERAS**

Detect, verify, and monitor wildfires impacting your business operations and community.

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