





Mission and Values

FireScout provides 24/7/365 Wildfire Detection That Never Sleeps. It can detect wildfires in minutes, integrates seamlessly into existing alert systems, offers a very low cost of deployment and the highest accuracy available.

Partnership & Customer



Infrastructure

Johnson Controls, ALERT Wildfire



Utilities

PG&E, SDG&E, NV Energy



Government

Sonoma County, REDCOM

Key Metrics



309

Cameras Monitored



1000+

Cameras Available



94,000 mi²

Area Covered



Up to 15 miles

Early Detection Distance



99%

Accuracy



24/7

Detection

Key Features

> Event Information

> Recent Log

> Playback

> History Log

> Fire Direction

> Night Detection

> Select Event Type

> Timeout

Key Personnel



Bow Rodgers

President & Co-founder



Robert Grey

Sales Manager & Co-founder



Yoon Jin Choi

Product Owner



MinKook Cho Director of R&D

Problem Definition



Wildfire Problem

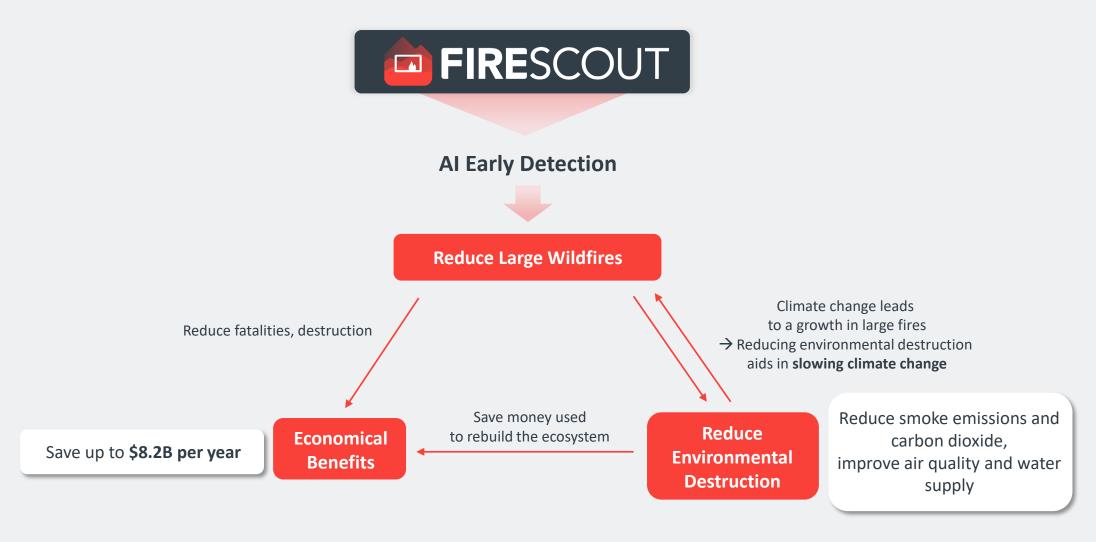
- **2K+ fires ignited** by California's 3 largest utilities (2014-2017)
- \$11.4B of economical California damages in average (2016-2020)
- Destructive wildfires pose threats to water supply, air quality and other environmental factors



Market Problem

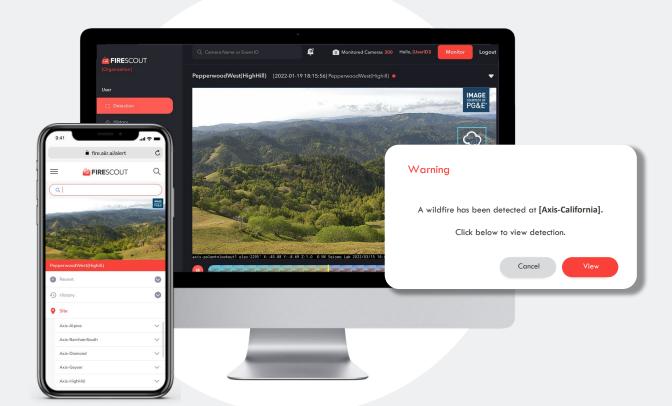
- New installation of HW is needed
- The detection time is **not fast enough**
- The services are not user friendly
- No use of AI, or show low performance

Solution Impact



FireScout Al-based Early Wildfire Detection

Early-stage smoke and fire detection from connected FHD cameras.

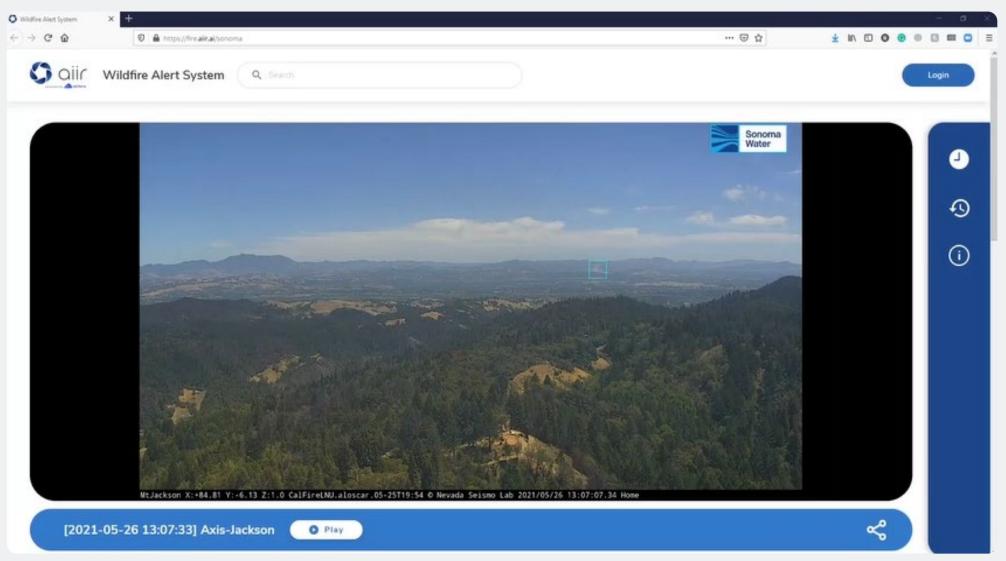


The primary objectives of FireScout's algorithm are to:

- Detect smoke or fire as soon as visible within the camera frame
- Detect smoke and fire before CCTV operators or the general public report the fire
- Alert a human capable of directing emergency response

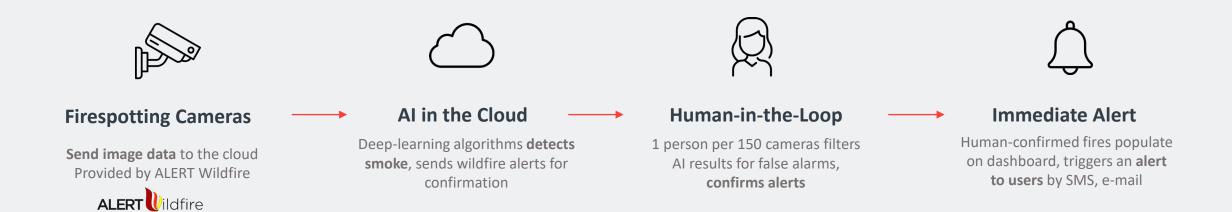
Actual product performance footage. Clips taken directly from product dashboard. Currently monitoring 309 cameras 24/7.

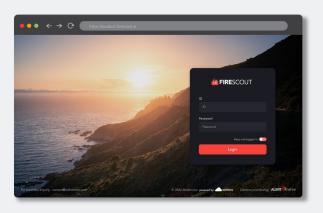
New version to be updated on May 2nd.



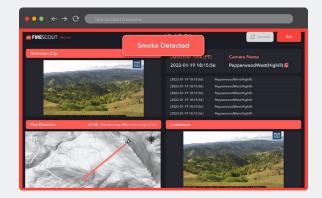
Wildfire Alert System Overview

A simple 4-step process provides wildfire detection in under 1 minute.





01 Log-in



02 Receive Alerts



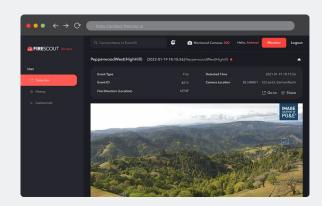
03 Review Alerts



01 Receive SMS/Email Alerts

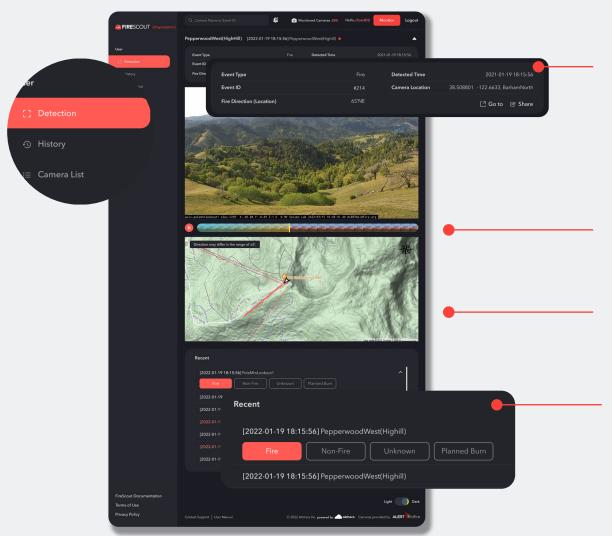


02 Click Alarm Link



03 Review & Take Action

Product Features



Event Information

provides detailed information about the event

Weather Information

provides real-time weather information for the camera region

Playback

shows the previous and following 4 minutes of video before/after the smoke was detected

Fire Direction

provides map view and directional information

Recent Log

shows all detections from all cameras from the past 72 hours

Select Event Type

records detection event type for continual learning

Night Detection

detects smoke via IR image at night, allowing 24-hour coverage

History Log

shows all detections categorized by camera site

Monitor Mode

adds visual and audio effects when a new detection arrives

Timeout

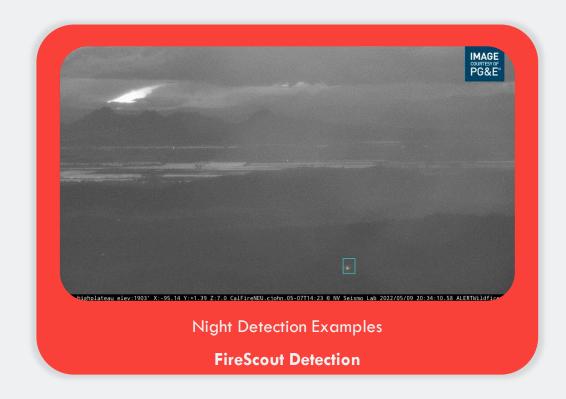
allows user to pause alerts(not detections) for a given camera

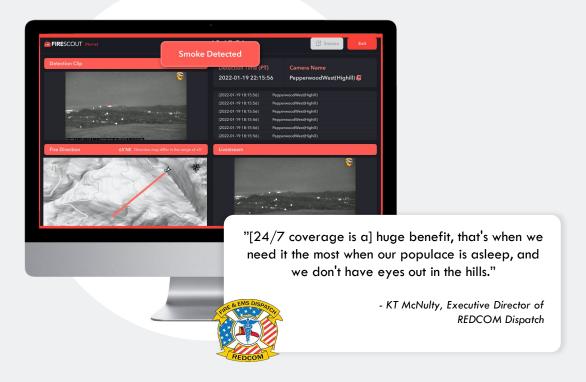
More Coming Soon

location estimation of GPS-coordinate of fire

Product Features: Night Detection

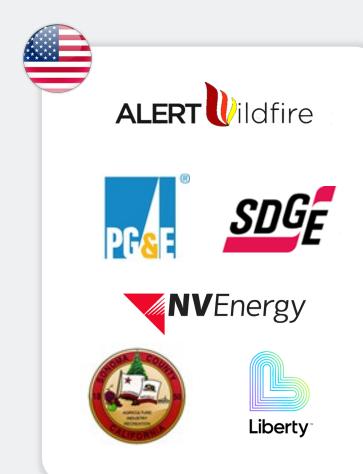
Night detection AI has been deployed as a beta version over 309 cameras since November 2021 with multiple events verified by users. This feature completes the **wildfire detection that never sleeps.**







Partnerships & Customers











"Alchera's FireScout gives us a **really critical early jump** to get our eyes on a
fire."

- Eric Sutphin, PG&E Hazard Awareness & Warning Center



"FireScout was the only provider in our RFP process that met all our specific needs."

- Sam Wallis, Sonoma County

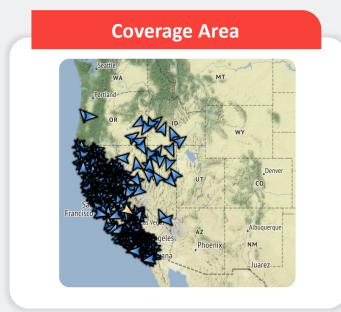
Partnership: ALERT Wildfire

Our close partnership with ALERT Wildfire enables FireScout to be the market leader.

With PTZ cameras and microwave networks, ALERT Wildfire provides real-time fire monitoring across a growing network of 1000+ cameras.

As an official partner, FireScout can expand and integrate seamlessly with the camera network.







Success Case: PG&E

On August 4th 2021, FireScout detected the start of the devastating River Fire from Howell Mtn camera within 1 minute of visible ignition.









"Alchera's Al got a positive hit within a minute or so of the fire start. Another minute later it's called in and put on IRWIN, and it took another 8 minutes to move the camera... positive news across the board, except it's a really bad fire."

- Graham Kent, ALERT Wildfire

