

## COMPANY OVERVIEW

Air Aware Technologies is a veteran-founded systems integrator delivering AI-driven wildfire detection, fuels mapping, and wildland fire situational awareness to fire agencies, counties, and communities. We select proven hardware and software, engineer each site, and hand agencies a working, supportable system.

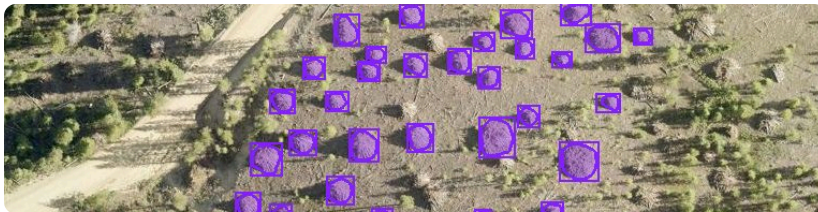
## CORE COMPETENCIES

- **Camera early detection:** PTZ camera siting, viewshed analysis, AI smoke and flame detection, alerting to dispatch
- **Slash pile mapping:** custom computer vision on aerial imagery, edge inference, ArcGIS Online integration
- **Anchor Point:** wildland fire common operating picture fusing incident, weather, airspace, and road data
- **FireMesh:** resilient mesh backhaul for remote sensors where cell and fiber do not reach
- **Grant and planning support:** CWPP language, technical scope, and budgets for CWDG and state programs
- **Systems engineering:** RF and SDR, edge computing, and unmanned systems

## PROJECT EXPERIENCE

**Slash pile detection system,** mountain fire chiefs association. Built and demonstrated a computer vision system that scans county aerial imagery on low-cost edge hardware and writes pile locations and status into ArcGIS Online.

- 90%+ detection performance in validation testing
- 300+ fps model speed on edge hardware, zero cloud compute cost



Model detections of individual slash piles on aerial imagery.

## DIFFERENTIATORS

- Defense-grade systems engineering applied to wildland fire
- Vendor-neutral integration: best-fit cameras and detection software
- Native ArcGIS outputs; no new software for crews to learn
- End-to-end: planning, funding, install, training, sustainment

## COMPANY DATA

|                      |                                |
|----------------------|--------------------------------|
| <b>Legal name</b>    | Air Aware Technologies LLC     |
| <b>Business type</b> | Veteran-founded small business |
| <b>Purchasing</b>    | Purchase order or grant-funded |

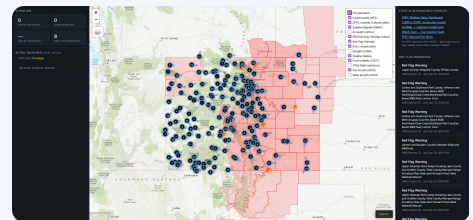
## NAICS

|               |                                |
|---------------|--------------------------------|
| <b>541330</b> | Engineering Services           |
| <b>541512</b> | Computer Systems Design        |
| <b>334511</b> | Detection & Navigation Systems |
| <b>541690</b> | Technical Consulting           |

## LEADERSHIP

**Kevin Carfagno,** Founder  
Systems engineer; former PM on a federal counter-drone program; USMC veteran; PMP

## ANCHOR POINT



Live incidents, red flag warnings, weather stations, and fire aircraft on one map.