



Near real-time situational awareness for utilities during wildfires

Addressing a critical national safety challenge

There is no doubt that climate change is impacting the frequency and severity of wildfires worldwide. However, modeling wildfire risk and gaining visibility into impacted areas immediately after a fire both remain challenging. Environmental factors like air temperature and humidity, combined with the unpredictability of human actions and dense smoke, often hinder visual assessments and complicate wildfire analysis.

ICEYE WILDFIRE INSIGHTS FOR UTILITIES

Precise

Building-level impact data

Consistent

Acquire data regardless of weather, light and smoke conditions

Reliable

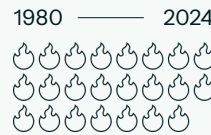
Able to capture every wildfire catastrophe in the US

Timely

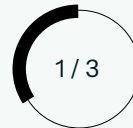
Delivers data every 24 hours during a given wildfire event

70,000

Average amount of wildfires per year in the US alone



Between 1980-2024, the US alone had 23 catastrophic wildfires that caused **more than \$1 billion in damage each**



99 million people, or **one-third of the US population are at risk**, living in the Wildland Urban Interface (WUI)

What if you could understand wildfire damage within hours vs. days?

Owning the world's largest synthetic-aperture radar (SAR) constellation, ICEYE combines earth observation insights from space with advanced data analytics and machine learning. As a result, for the first time in history, we can provide accurate and immediate, building-level insights into the situation on the ground.

Enhance response and recovery efforts with ICEYE

Until now, utilities have faced significant challenges in rapidly assessing the extent of wildfire damage for response and recovery purposes. Traditional methods can be labor-intensive and still may not provide the timely, detailed information necessary due to dangerous ground and air conditions. ICEYE is transforming this process with our groundbreaking Wildfire Insights, delivering near real-time extent and building-level impact data, that enables more accurate and expedient decision-making during wildfire emergencies without risking the safety of responders.

● LIKELY DESTROYED BUILDINGS ● LIKELY NOT DESTROYED BUILDING

Eaton Fire, Los Angeles, CA

January 2025

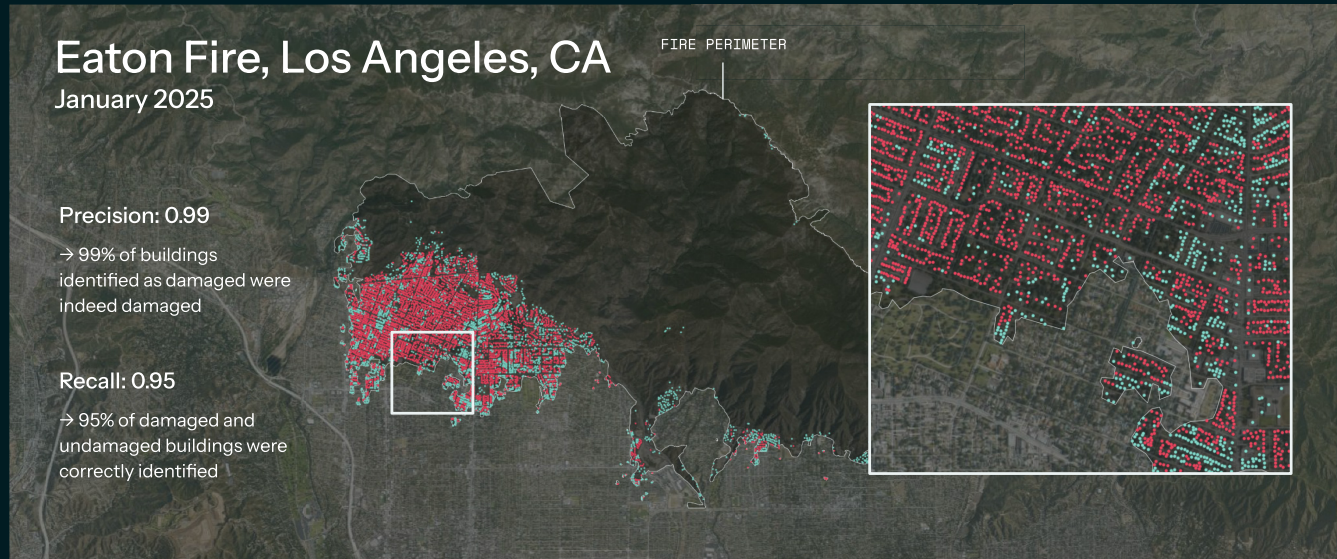
FIRE PERIMETER

Precision: 0.99

→ 99% of buildings identified as damaged were indeed damaged

Recall: 0.95

→ 95% of damaged and undamaged buildings were correctly identified



Improve situational awareness



Enhance disaster response



Accelerate restoration efforts



Immediate Situational Awareness

Quickly understand the customer impact of a wildfire. ICEYE delivers near real-time data on destroyed and surviving buildings — providing utilities a clear picture of the impact within hours, instead of waiting weeks for field inspections or assessment reports.



Regulatory & Financial Readiness

Reliable, auditable records of which buildings were destroyed provide critical evidence for regulatory reporting, reimbursement, and liability management. Utilities can demonstrate diligence and accuracy in their wildfire response.



Enhanced Safety for Public & Crews

Destroyed buildings may still have live electric or gas connections. Knowing exactly which buildings are destroyed enables utilities to de-energize or isolate those sites quickly, reducing the risk of secondary fires, gas leaks, or electrocution hazards.



Community Trust & Accountability

Transparent communication matters after a disaster. With verified building impact data, utilities can notify customers faster, coordinate with emergency managers, and provide realistic recovery timelines — reinforcing trust and credibility.



Faster Service Restoration

Accurate, early visibility into destroyed vs. surviving buildings helps utilities prioritize restoration. Crews can focus on re-energizing surviving service areas, while avoiding wasted time and materials on connections that no longer exist.



For more information, visit
→ iceye.com/gov