

How Space Is Transforming Wildfire Management

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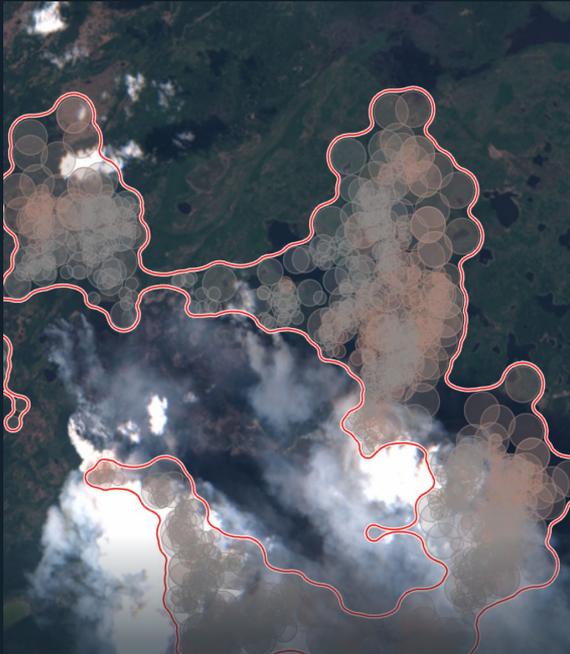
ESA EO Commercialisation Forum
Paris, 30 Oct 2023



Wildfires have become an everyday threat



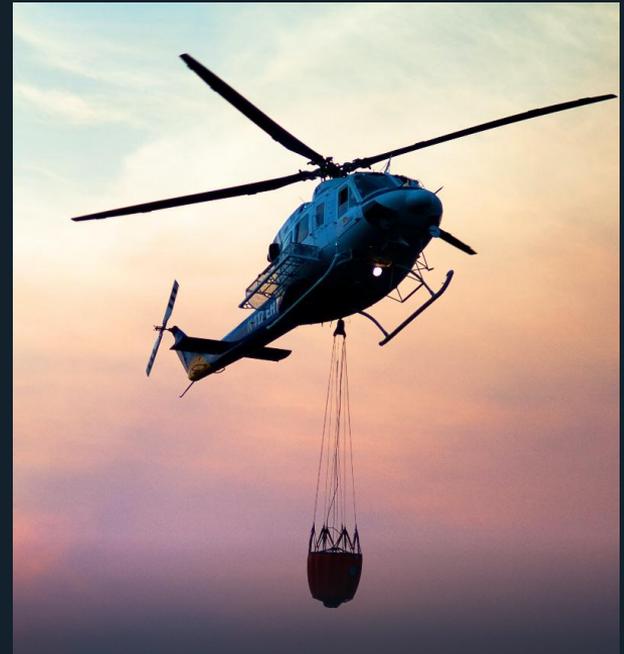
We must turn the odds



**SMOKE & DARKNESS LIMIT
YOUR ACTIONS**



**FIRES GROW FAST
EXPONENTIALLY**



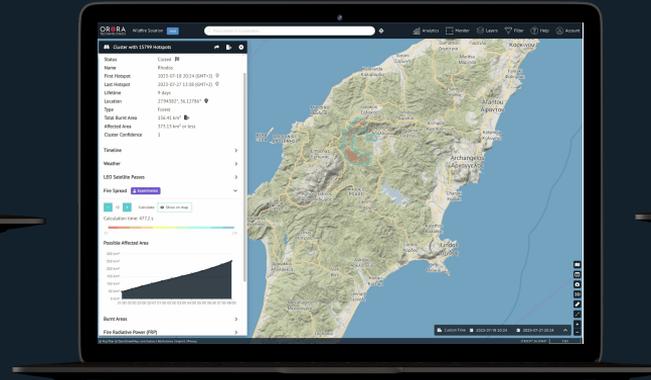
RESOURCES ARE LIMITED

Space Data & AI-Driven Wildfire Solution



SEE WHEN OTHERS ARE BLIND

Detect & locate fires through smoke, in remote areas, 24/7



MAINTAIN OVERVIEW & STAY IN CONTROL

Predict fire growth, severity & assess risk and losses



ACT DECISIVELY

Accurate resource dispatch for optimum suppression

OroraTech: Trusted On All Continents



300

Users in

20

countries

90+

Employees on

4

continents

300m
hectars

monitored

27

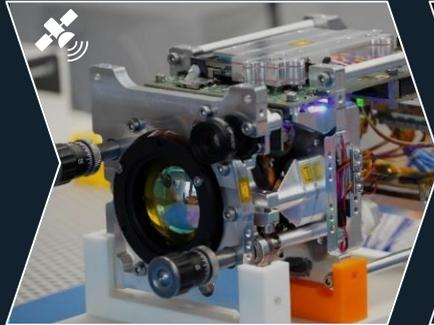
satellite sources

2

own satellites
in orbit



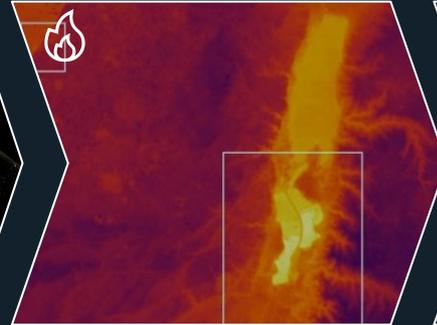
Complete solution along the value chain



Patented thermal camera delivers data from space



Orbit-based sensors (proprietary, public) for global coverage



AI-supported analytics



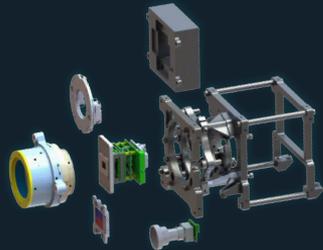
Customer insights and visualization, API-driven

Building a Robust Global Infrastructure



FOREST-1

Prototype camera

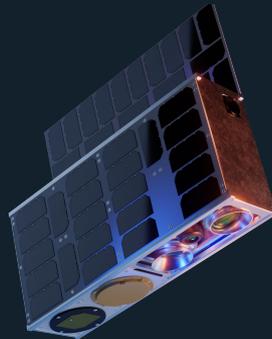


FOREST-2

Operational cameras

WFS Pro

12h automated revisits with up to **6 daily images**



WFS Pro SL4

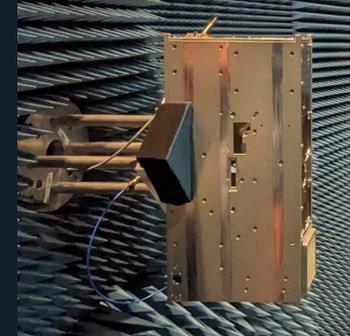
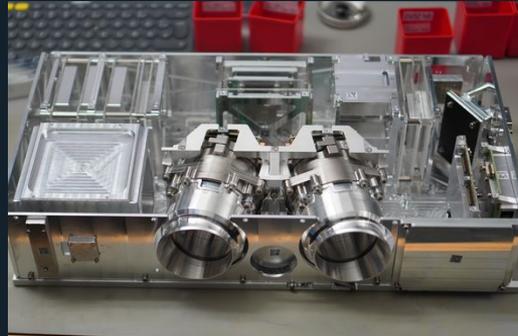
30-minute global coverage



ESA & OroraTech: A Success Story



BUSINESS
INCUBATION
CENTRE



- Customer Needs
- Use cases: Fire, Energy

- Camera technology
- Generic Bus platform

- Emergency services
- Land services
- Marine services