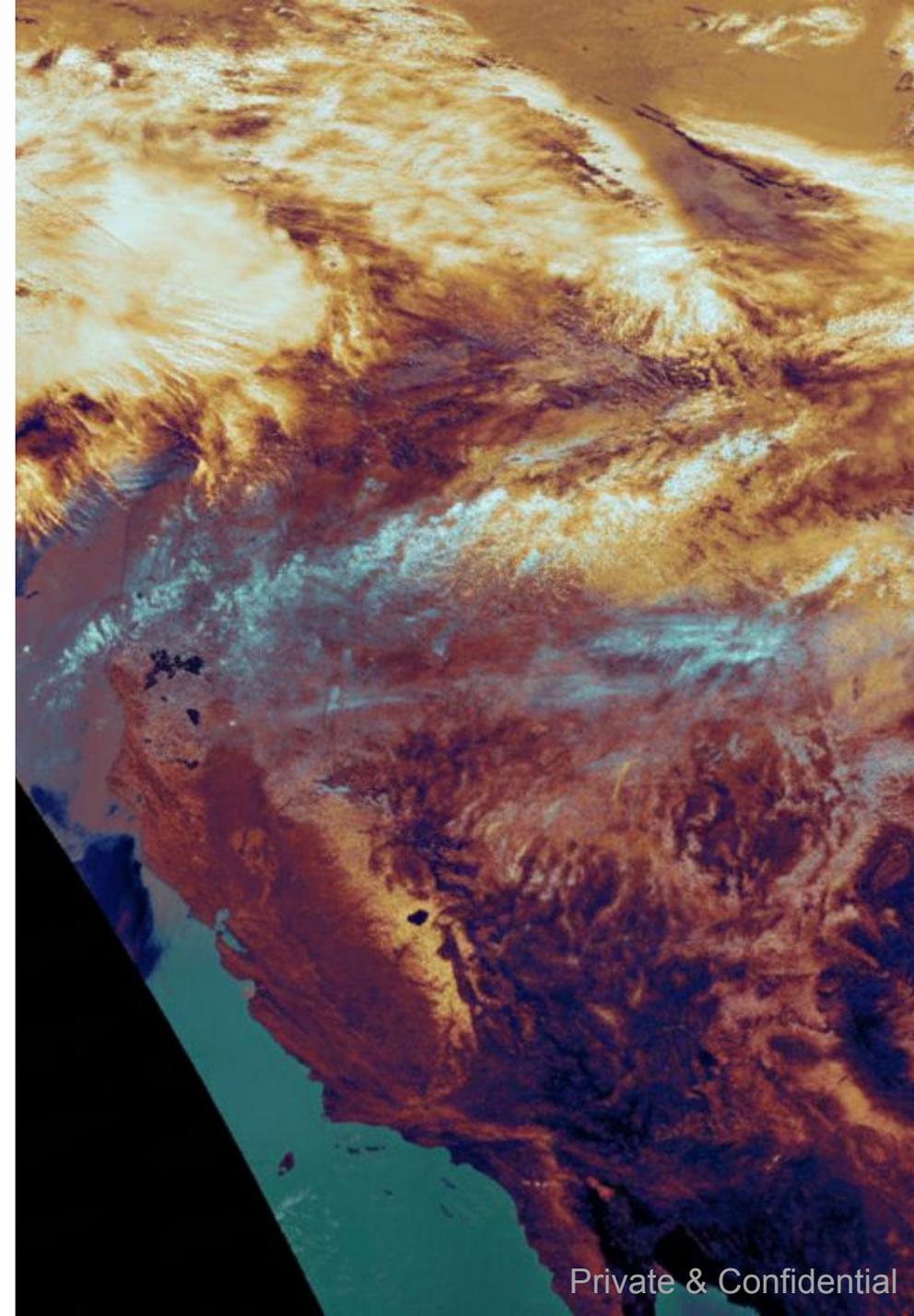




# Orbital Sentry: Realtime Wildfire Detection and Monitoring

Continuous. On-Demand. Actionable.

February 2026



Time Is Everything



# Wildfires are a growing threat and are not slowing down

## A PUSH TO EXTREMES:

Extreme wildfires have become 2.2x more frequent over 20 years

## MORE FIRE WEATHER DAYS:

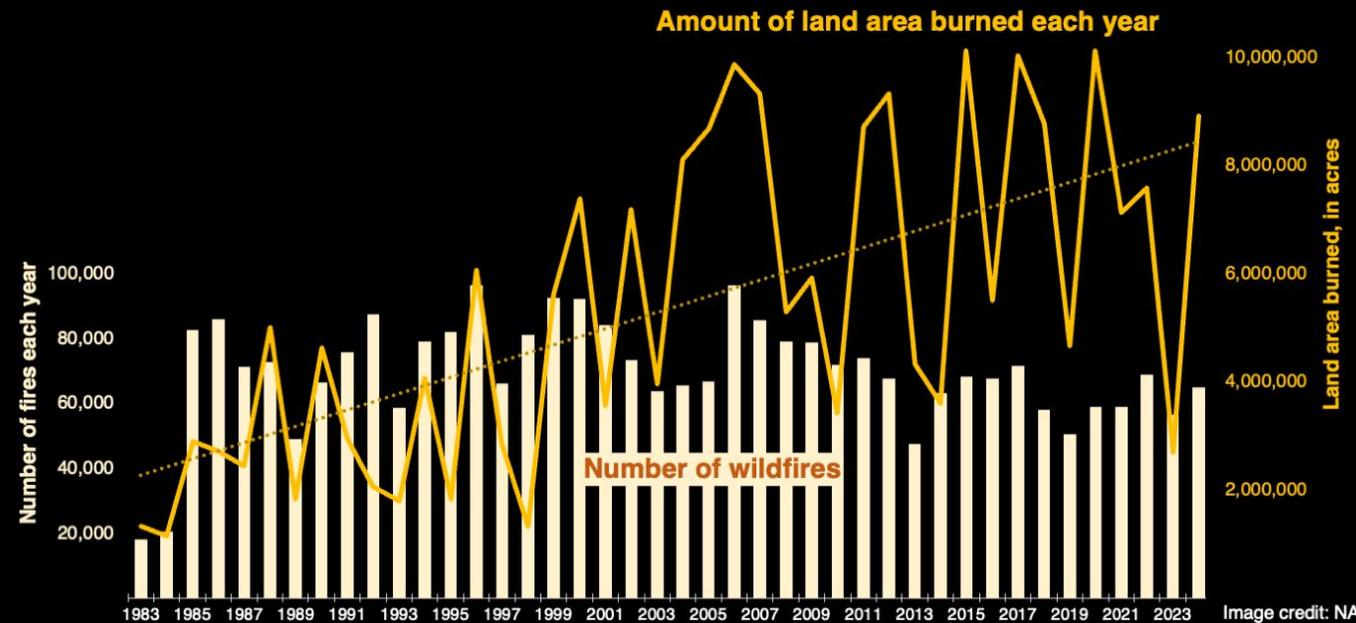
Grew by 37 days in the southwest over 50 years.

## MORE DEVASTATION:

Burned area has increased by a factor of 4x over 40 years

In the U.S., the overall number of fires each year has stayed fairly constant, but **land area burned** has increased over time.

Data from the National Interagency Fire Center





# A \$100B crisis demands better solutions

**\$20B**

2024 Insurance  
payouts

**15 min**

Critical Window

**24x7**

Monitoring need

**\$3B**

Wildfire Detection  
Market

**\$1T**

Total amount of  
premiums in the US

# The Broader Coverage Challenge

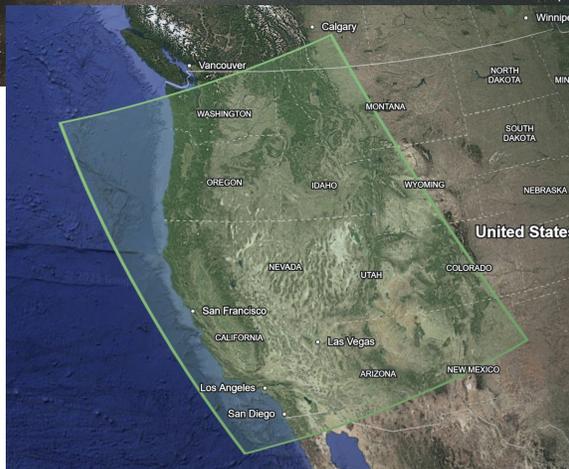
## What is Not Possible Today

- No Continuous Geographic and Temporal Coverage
- No Realtime alerts and monitoring of wildfires
- Ineffective False Alarm Mitigation
- No True Change Detection or depth for AI

Imagine having the ability to see every wildfire, when it starts, how it moves, where it spreads **in real time**.



# Introducing Fire Sentry: The Revolutionary GEO Fire Detection Platform



## Continuous, real-time intelligence

Deliver detection and updates in seconds



## Unmatched sensitivity

Detect fires as small as 3 x 3 m



## First commercial geosynchronous platform

Continuous infrared imaging over the western U.S.



## Advanced AI capabilities

Trained on persistent infrared image stacks



# Fills the gaps in the sensor ecosystem

	Fire Sentry	LEO Satellites	Airborne	Ground Sensors
Realtime Coverage	✓	✗	✓	✓
Ideal AI Training	✓	✗	✗	✗
24/7 Monitoring	✓	✗	✗	✓
Coverage Area	✓	✓	✗	✗
Rate of Spread	✓	✗	✗	✗
False Alarm Mitigation	✓	✗	✓	✗
Vulnerability	✓	✓	✗	✗



“Orbital Sentry’s Fire Sentry system... could give us critical early detection and real-time tracking of fire conditions, **improving our ability to contain fires before they become catastrophes.**”

Dan Munsey, San Bernardino County Fire Chief



“Orbital Sentry will provide a needed capability and... the **data would be of highest value when available.**”

John Mills, CEO Watch Duty

# Consortium Structure: An Insurance-Led Model for Shared Risk Reduction

Public-private consortium would enable insurers to **pool resources** for wildfire detection. It provides **shared access** to monitoring data while providing data for **free to wildfire fighters**.

Insurers invest in not just data, but **active loss mitigation** with strong customer appeal upside.

The consortium creates a **stable revenue stream** through member fees and revenue share.



# Insurance: Our Best Path to Market

## IMMEDIATE VALUE DRIVERS

- **Fire Prevention:** Reduce wildfire frequency & severity through rapid response
- **Smart Event Response:** Real-time risk assessment & claims triage
- **Strategic Positioning:** Optimal asset allocation for maximum coverage
- **Customer Loyalty and Differentiation:** Provide more than just financial protection.

## ADVANCED CAPABILITIES

- **Enhanced Risk Models:** AI-powered predictive analytics
- **Parametric Products:** Unlock massive-scale automated payouts
- **New Product Innovation:** Novel insurance offerings with persistent data

**COMPELLING ROI:** Insurers demand 3-5x returns on data investments—we deliver significantly more.

## Signed LOIs and LOEs



**Major  
Western US  
Utility**



**WILDFIRE DEFENSE SYSTEMS**

**Pinepeak**



**SIG**

Spatial Informatics Group

# Beyond Wildfire: GEO Unlocks Entirely New Markets

## Scaling from Fire to Global Coverage



### Commercial OPIR

Defense and allied nations require persistent infrared surveillance for missile detection and situational awareness.



### Hurricanes & Severe Weather

Continuous storm tracking capabilities offer a resilient alternative to aging and at-risk NOAA assets..



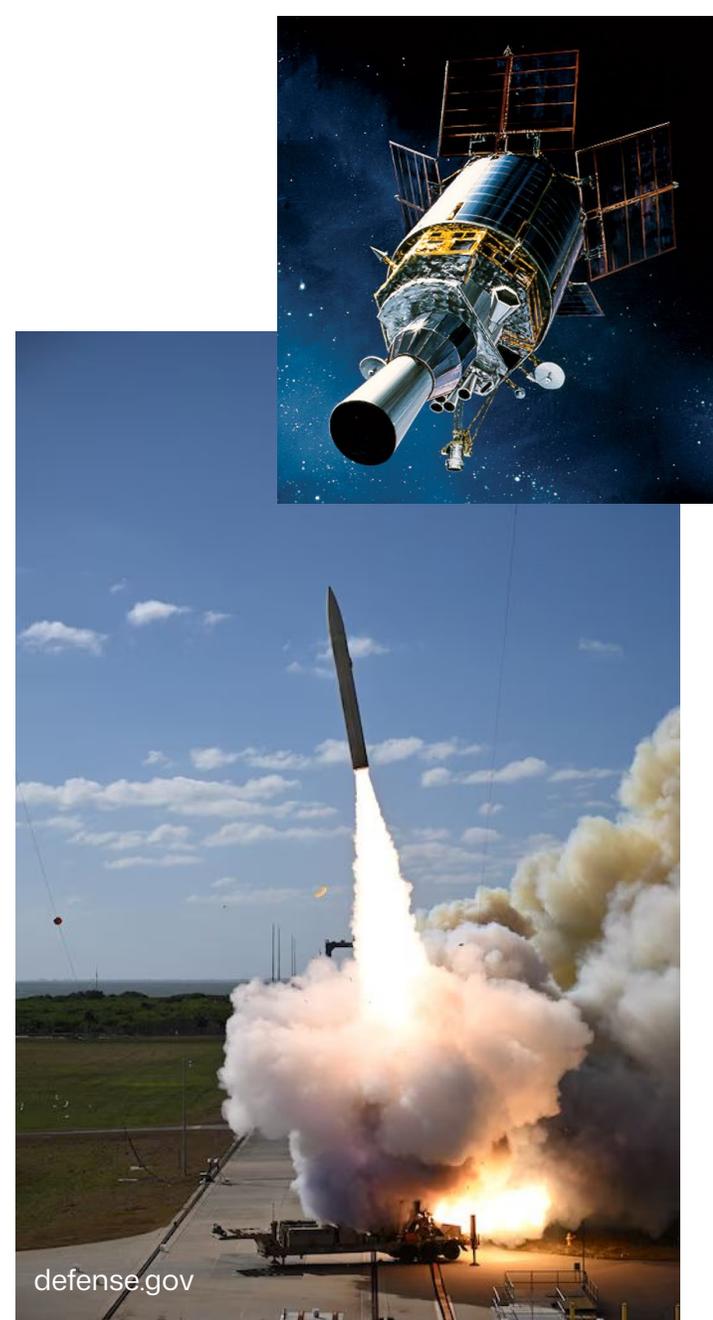
### AI Time Series

Dense, continuous data streams fuel predictive models across multiple hazard types and industries.

**The total addressable market extends far beyond wildfire.** Each application area represents **billions in potential value** while sharing the same core GEO persistence infrastructure

# Disrupting traditional OPIR

- **Increase System Resilience and Survivability:** Sentry can provide a rapidly deployable, distributed architecture to enhance the defenses over the United States and for Allies
- **Adapt to New Threat Vectors:** Build systems tailored to emerging threats like hypersonics
- **Leveraging Commercial Innovation:** Leverage dual-use technologies to provide cost-effective, high-quality data and accelerate the development and deployment cycle.



# Proven Execution from Space to GTM



**Dr. Mark Keremedjiev**  
CEO



Ex-Planet Labs, led and launched Tanager, ran \$500M+ government programs, closed multiple large contracts



**Elizabeth Foughty**  
Chief Business Officer



GTM leader with NASA, Moody's RMS, CAPE and Planet Experience. Built and scaled GTM teams across multiple startups.



Preferred partnership with Sensitic for development and build of the infrared payload



Technical Advisory from Keith Coste, Ex-JPL, 30+ years in space systems, civil and defense experience, founder of Sensitic Technologies.



Advisory from Larry James, Lt Gen, USAF (Ret), Former Deputy Director and COO of NASA/JPL

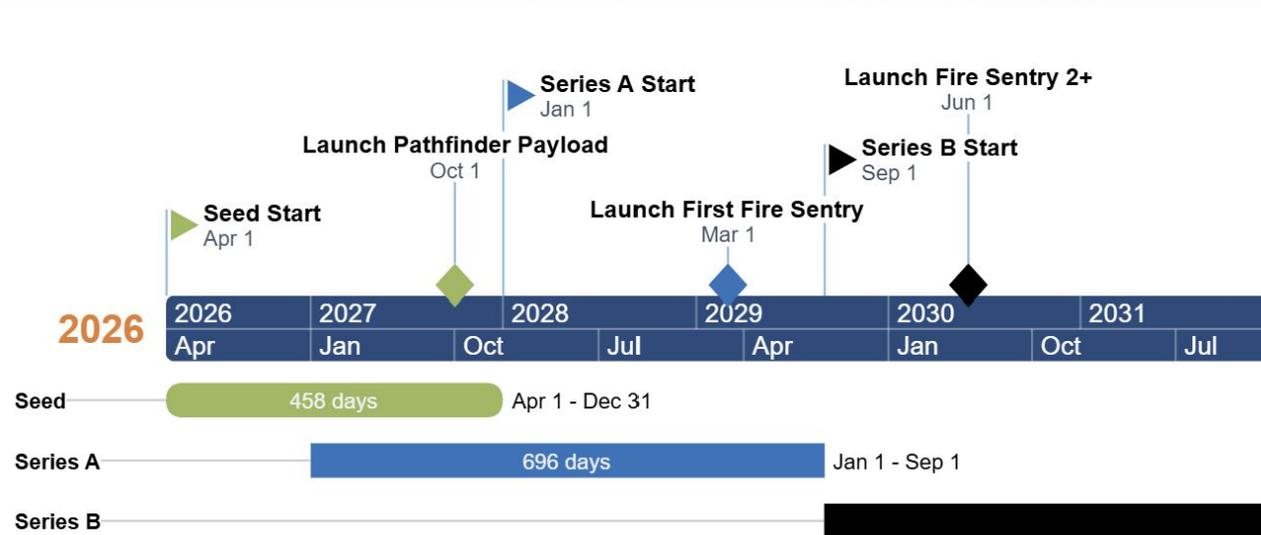


Advisory from Bill Keogh Former CEO Advisen, President Eqecat, Group Executive Client Development RMS



Advisory from Cynthia Tsai President of the Montana Biosciences Alliance, CEO and Chairman of Healthquest

# Strategic Roadmap



## Seed Round (\$6M, 2026-2027)

- Pathfinder prototype
- Secure early commercial wins
- Develop algorithms and products



## Series A (\$38M, 2027-2029)

- Launch first dedicated Fire Sentry
- Expand commercial operations
- Explore defense contracts
- Profitable with one satellite



## Series B (\$50M, 2029+)

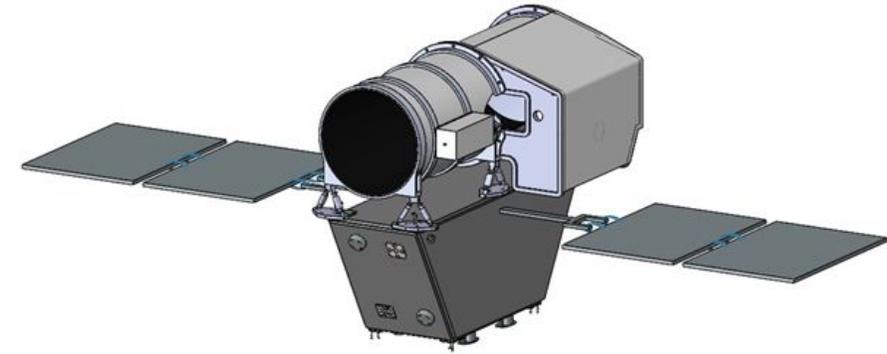
- Launch 6x satellites across regions
- Deploy 3x OPIR-centric variants
- Add advanced processing capabilities

# ProForma/Financials Snapshot

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8
<b>SATELLITES ON ORBIT</b>		P	P	1	1	4	10	10
<b>TOTAL EXPENSES</b>	\$3.7M	\$15.1M	\$20M	\$15.5M	\$57.7M	\$106.6M	\$21.6M	\$21.6M
<b>TOTAL REVENUE</b>	\$0.25M	\$2.6M	\$1M	\$17.8M	\$24.2M	\$118M	\$260M	\$350M
<b>NET INCOME</b>	\$3.4M	\$12.5M	\$19M	\$2.3M	\$33.2M	\$11.4M	\$238.4M	\$328.4M
<b>INVESTMENT FUNDS</b>	\$6.0M	\$38M	\$0	\$0	\$50M	\$0	\$0	\$0
<b>CASH BALANCE</b>	\$2.5M	\$28M	\$8.8M	\$11.1M	\$24.5M	\$35.9M	\$274.3M	\$602.7M



- **Realtime Wildfire Detection & Monitoring:** Unprecedented continuous, persistent, low-latency capability
- **Market Leadership:** First-mover advantage in persistent spaceborne data collection
- **Scalable Applications:** Expansion into additional Defense and Commercial markets
- **Opportunity:** \$1B+ Company
- **Proven Team:** Experience and drive to execute this vision





# Join Us.

## Lead the Charge to GEO.

### Be First

Orbital Sentry will be first to seize this market

### Build The Future

Revolutionary wildfire response capabilities

### Go Beyond

Expand into new markets and applications

Let's build the future of wildfire response — and beyond.

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