RoboticsCats

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Detect & Intervene Wildfire Early

What we know

Wildfires cause immense losses.

52,000 people killed per year globally[1]

$394B loss annually in the US[2]

16% global CO2 emission[3]

People were leaving their homes because of a fast-spreading wildfire in Hong Kong on 25-Oct-2020.

1:The Conversation
2:CNN
3:France 24

Problem

How can we make early wildfire detection more accessible?

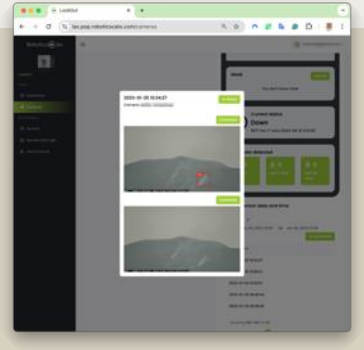
Existing Solutions	Our Solution
Custom and expensive hardware	Use existing hardware
Long implementation time	No implementation time
Dedicated manpower	Anyone can operate

Our Solution

Scaling wildfire detection & intervention

Use existing hardware

Surveillance Camera



No implementation time

SaaS

Anyone can operate

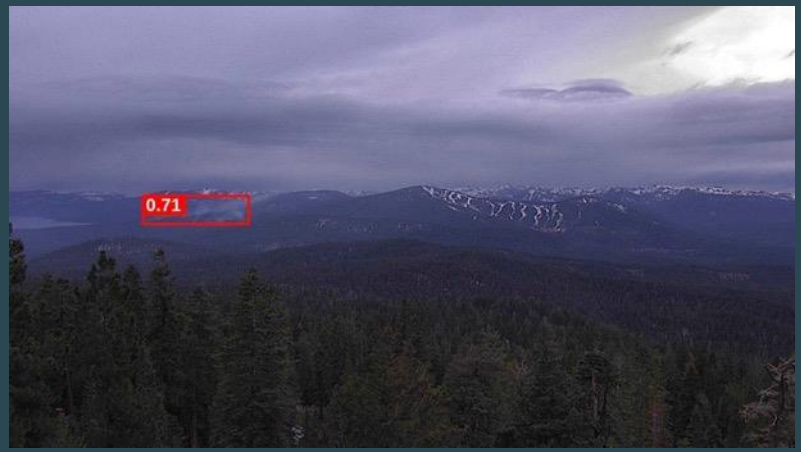
Mobile App

LookOut Wildfire Detection SaaS

Martis Camp Club, California, US

“LookOut detected three wildfire outbreaks in the recent years and helped us to inform the authority to take timely response.

LookOut allows for **ANY camera or smartphone** to be used for detection. There is comfort in knowing we can add a camera or phone to monitor an area at any time.”



Indicium Dynamics, Australia.

“LookOut is innovative and technically beautiful! We integrate LookOut Wildfire Detection SaaS into our IoT platform via LookOut API.

Our customers use the same software to get wildfire detection alerts.”

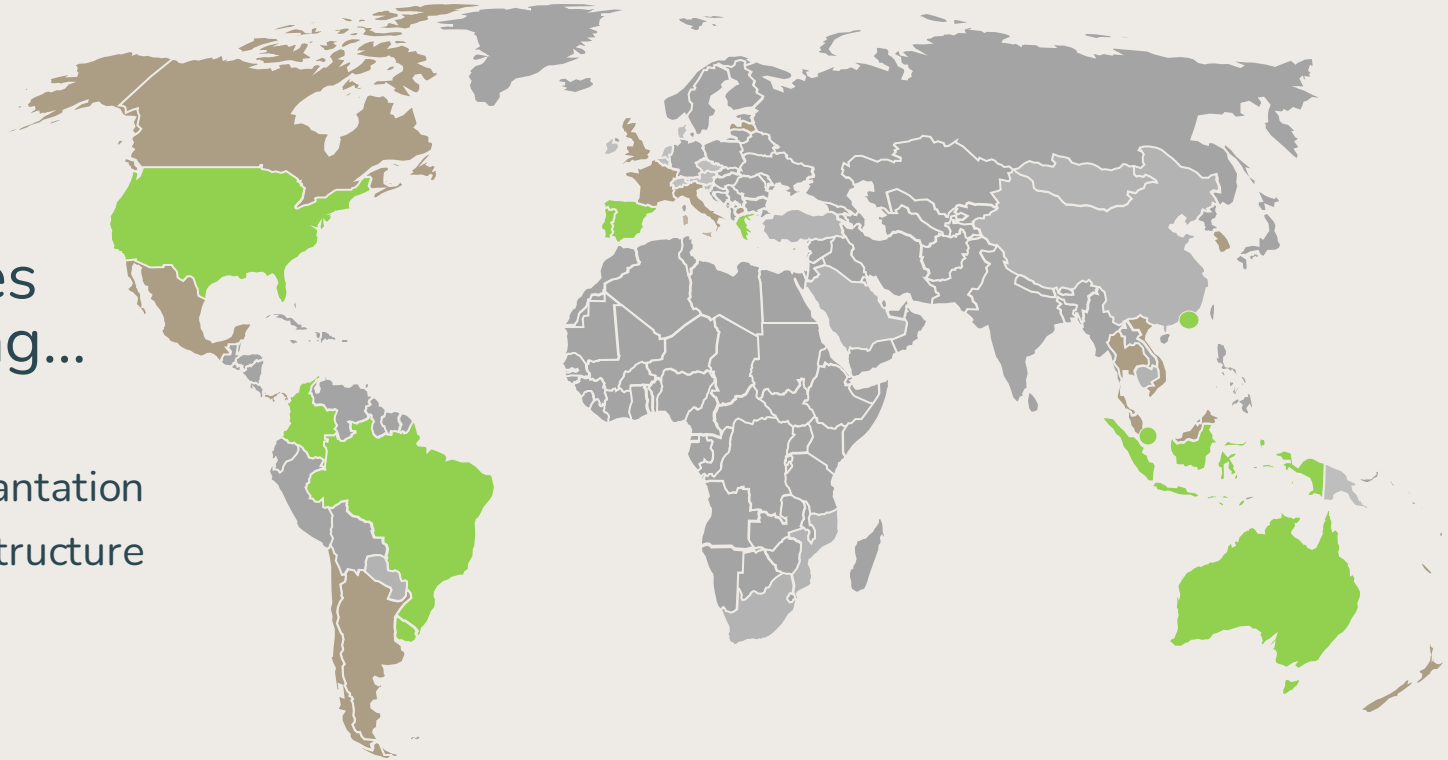
Hong Kong Bird Watching Society

“Real-time detection alert via mobile app is easy to use and helps engage our colleagues and stakeholders.”

Our presence

11 Countries and counting...

- Government
- Forestry & plantation
- Energy infrastructure
- Property

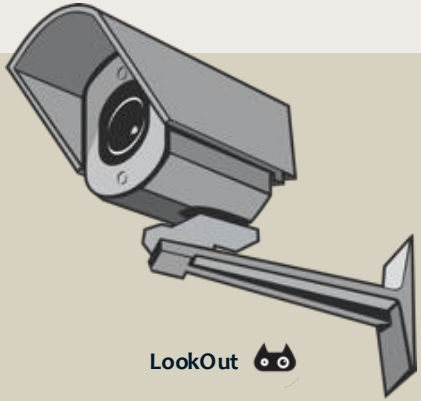


with paid customers

with partnership discussions

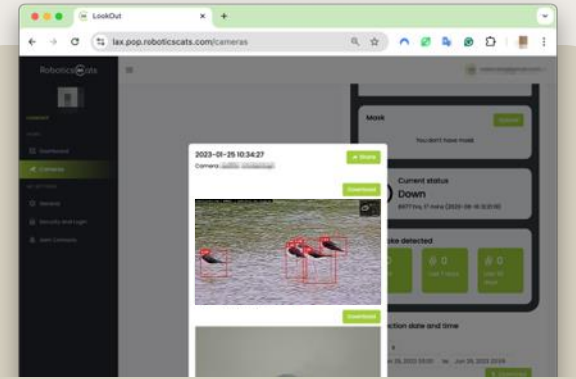
Business Model

Subscription-based and comprehensive



LookOut Wildfire Detection SaaS
$ 49.00 / month / camera

AI early wildfire detection



AI Biodiversity-Care SaaS (ABC)
$ 99.00 / month / camera

AI early wildfire detection
AI wildlife monitoring
Live video streaming

Competition

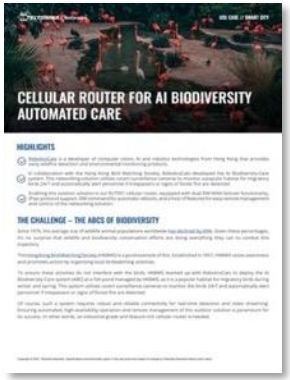
”The best option”

	RoboticsCats			
Detect wildfire in 10-minutes	✓	✓	✓	(every 4-hour)
Detect wildfire at 15km+ distance	✓	✓	(< 100 meter)	✓
Sensor hardware infrastructure agnostic	✓	(Custom and expensive hardware)		
Quick to deploy in 10-minutes	✓	(Take months to procure, deliver, and install)		
Easy to use: Mobile-First	✓	(System require dedicated manpower to operate)		
Biodiversity+: wildlife detection & monitoring	✓			

Go-To-Market

Drive expansion through partners

Sell through global ecosystems
AXIS Communications, Teltonika Networks, etc.



Content marketing, joint R&D, and competitions to increase brand value & global visibilities

WWF

4YFN Awards 2023 Top 50 Startups

FIRE-RES

uplink

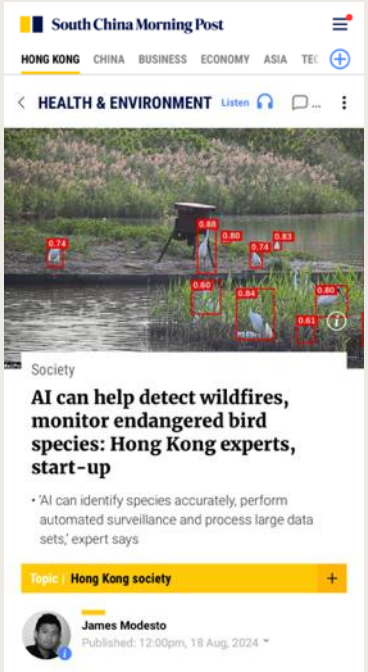
XPRIZE WILDFIRE

PG&E

GORDON AND BETTY MOORE FOUNDATION

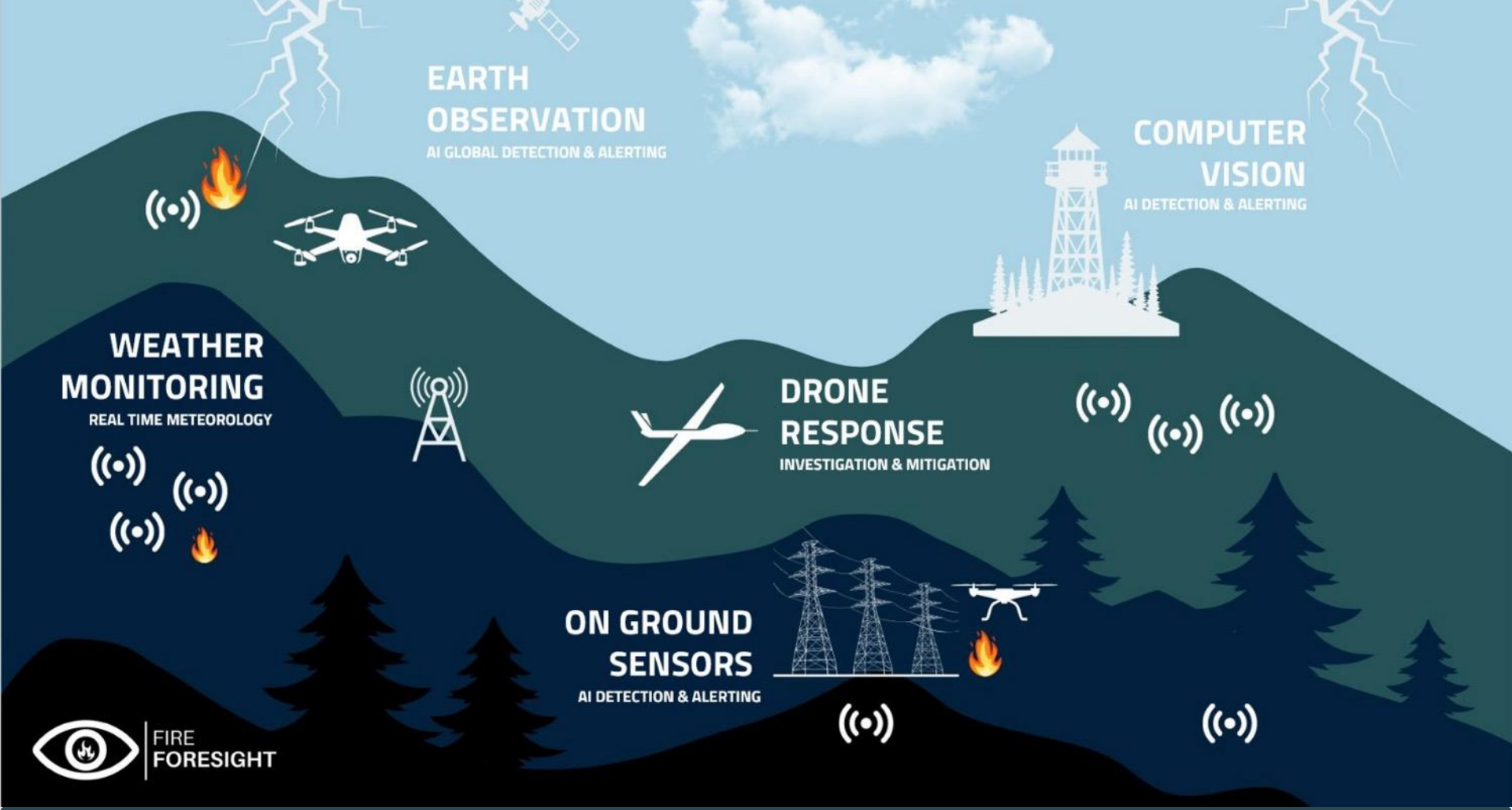
Media & Publicity

We capture media's attention



Innovation & Impact

World Economic Forum UpLink Top Innovator


EARTH
OBSERVATION
AI GLOBAL DETECTION & ALERTING
COMPUTER
VISION
AI DETECTION & ALERTING
WEATHER
MONITORING
REAL TIME METEOROLOGY
DRONE
RESPONSE
INVESTIGATION & MITIGATION
ON GROUND
SENSORS
AI DETECTION & ALERTING
FIRE
FORESIGHT

Our mission

Robotics Cats is dedicated to protecting communities, forests, and commercial sites by leveraging advanced computer vision, AI, and robotics technologies to provide early wildfire detection and environmental monitoring products.

The Team

Dedicated to stop wildfires

Andre Cheung

Founder & CEO
Hong Kong
25-yr telecom, SaaS

Felipe Borelli

Sales Director
Portugal / Brazil
10-yr wildfire detection

Paul Redhead

Technical Lead
Australia / South Africa
17-yr wildfire detection

Alan Shangguan

AI Researcher
New Zealand
PhD, machine vision

Work together, we can avoid all destructive wildfires.

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