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Your Autonomous Eye In The Sky

Revolutionising Security with an Autonomous Drone-in-a-Box application, delivering efficiency and precision



U-SECURITY
By Unmanned Life

UNMANNED LIFE



Extensible Across Use Cases

Although the platform comes pre-configured for Security, the platform allows you to grow your robotic operations across multiple, autonomous applications over time.



Software Agnostic Towards Vendors

The software platform supports robots from different vendors with varying operating systems and interfaces, enabling efficient robotic teams without compatibility concerns.



Interoperable Technology Across Systems

Our network-interoperable approach enables seamless connectivity across a range of networks, coupled with cloud and edge computing to provide flexibility and enhanced capabilities to end-users.

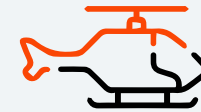
Conventional security measures, such as patrols and CCTV cameras have limitations in scalability, data integration, and efficient area coverage



Manual Surveillance
is error-prone, expensive,
and likely dangerous



Fixed Surveillance
can be expensive, and invites
malicious workarounds

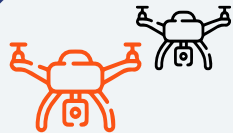


Aerial Surveillance
Helicopter costs are
substantially greater

U-SECURITY

By Unmanned Life
Your Autonomous Eye In The Sky

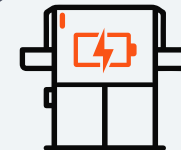
Introducing Unmanned Life's cutting-edge autonomous drone-in-a-box surveillance product, delivering efficiency and precision, whilst seamlessly integrating into diverse settings and systems.



**Drone Fleet
Orchestration**



**Autonomous
Surveillance Missions**



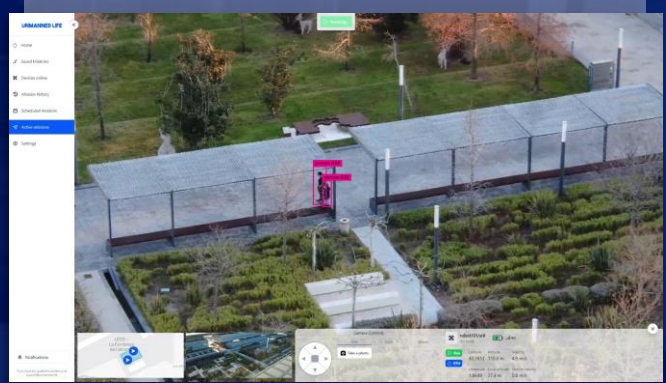
**24/7
operations**

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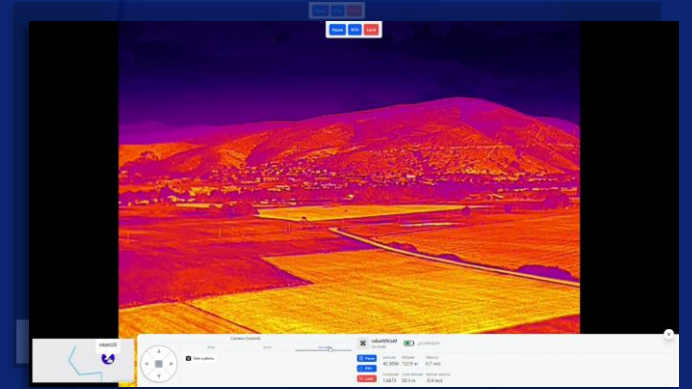
ENABLING SEVERAL USE CASES



SITUATIONAL AWARENESS

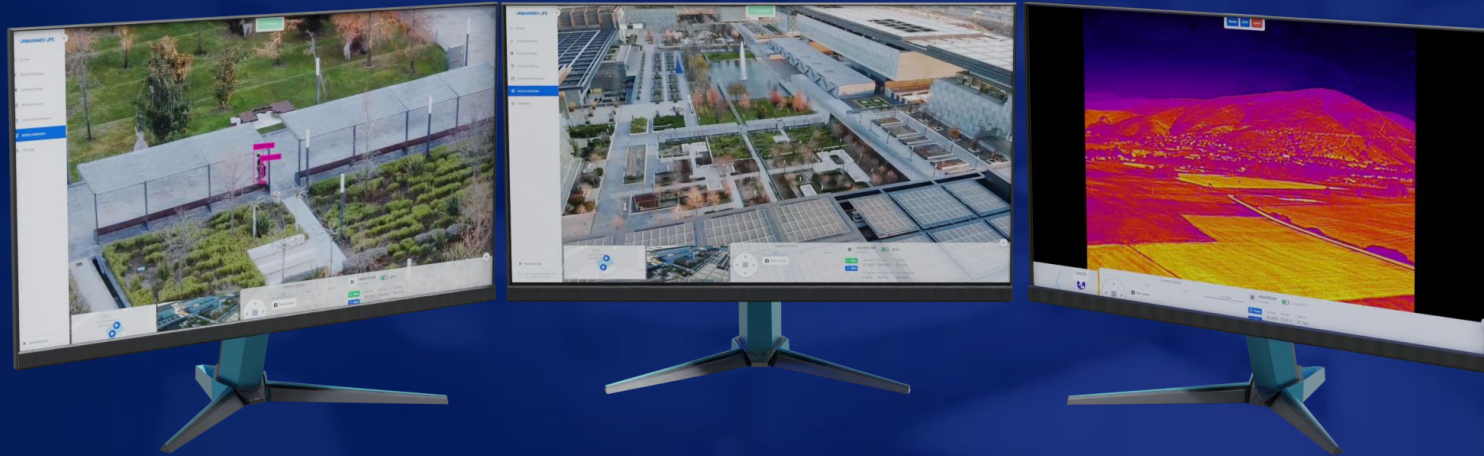


INTRUSION DETECTION



THERMAL IDENTIFICATION



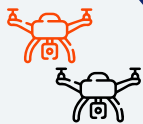


UNPARALLELED SECURITY CAPABILITIES



BVLOS Ready

Operations can be conducted remotely, regardless of the distance



Swarm Orchestration

Coordinating teams of autonomous drones to work together for security rounds



AI-Powered

Autonomous decision-making through AI for advanced analytics



Network Agnostic

Ensuring seamless connectivity, regardless of the type of on-site network



Secured Data Flows

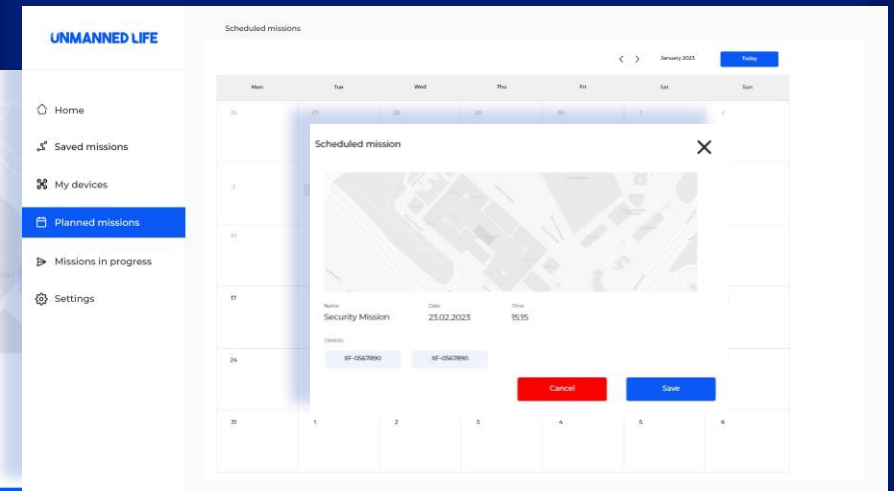
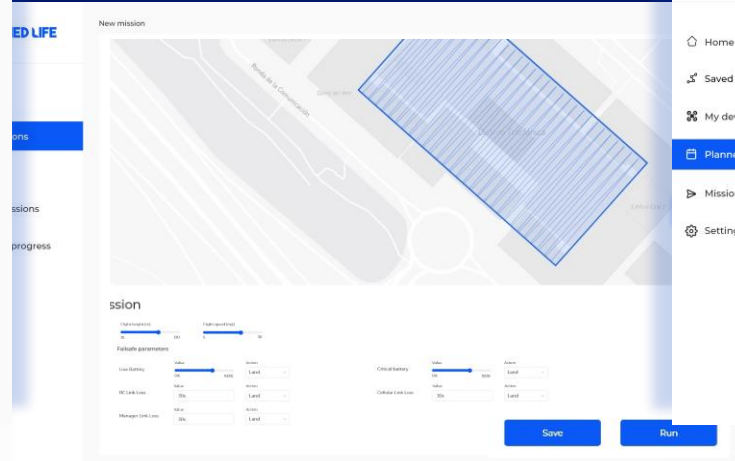
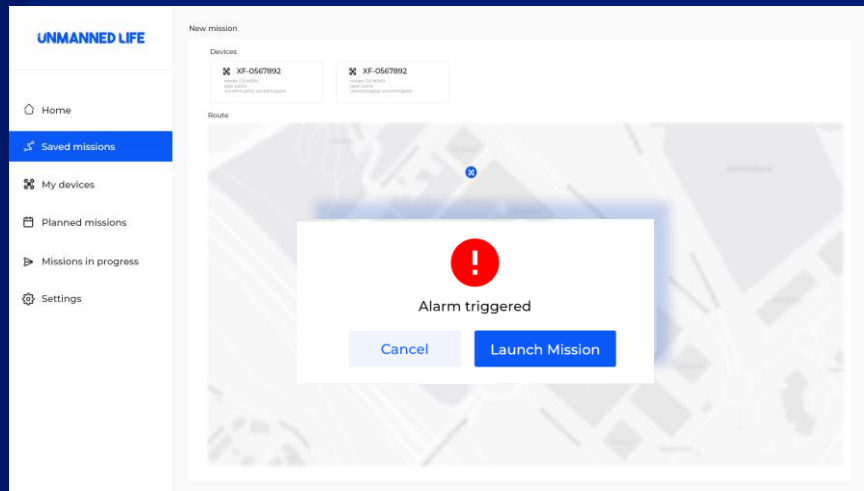
Layering mobile network protection alongside our cybersecurity protocols



Modular

Easy to maintain and upgrade, with frequent new feature releases

MULTIPLE DEPLOYMENT METHODS



Event Trigger

Ensure situational awareness with autonomous drone launches to sensor locations.



On-Demand

Select the mission and parameters in real-time for prompt security rounds ad-hoc.



Scheduled

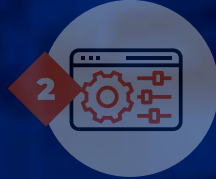
Upload predefined missions to the platform to ensure frequent surveillance rounds.

QUICK AND EASY MISSION SETUP

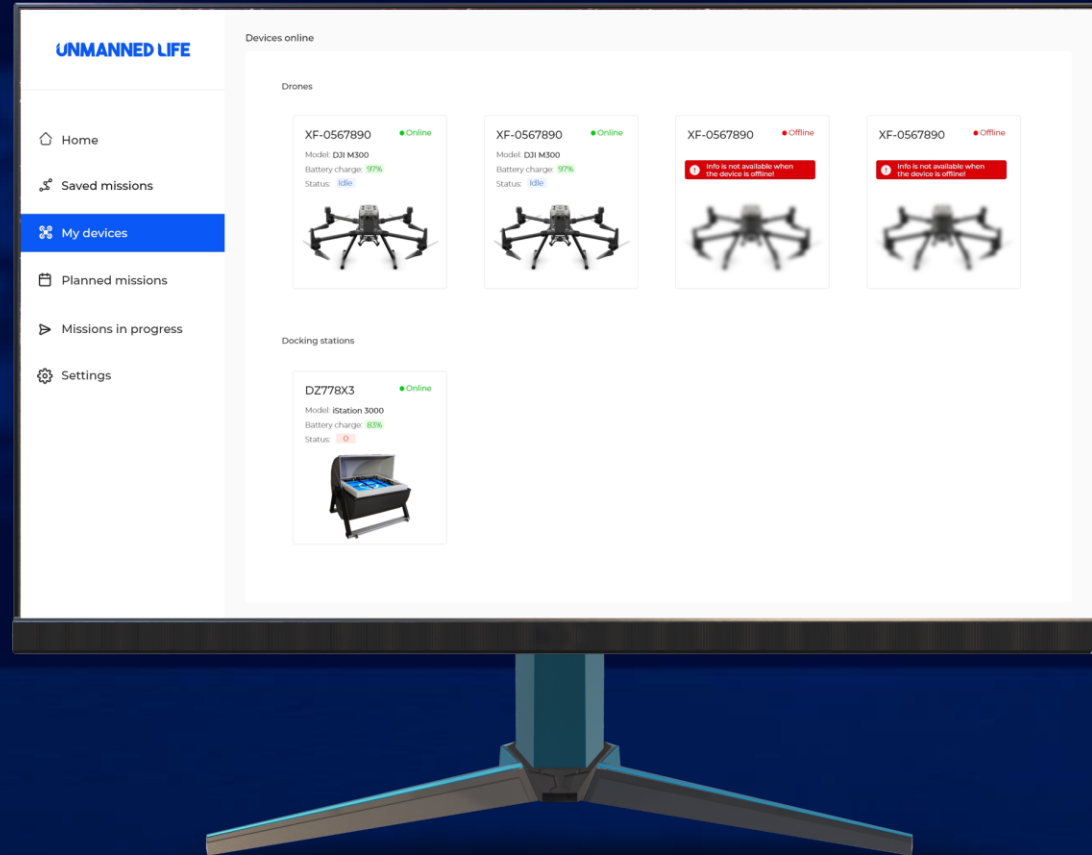
Select the Hardware



Configure and Launch
the mission



View Real-Time video Data
and Post-Mission Insights



Features

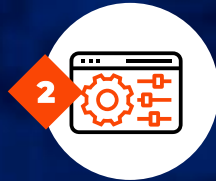
- ◆ Device Connections to Platform Over Mobile Networks
- ◆ Centralization of agnostic Device Data via one interface
- ◆ Device Descriptions
- ◆ Device Status and Health
- ◆ Weather status (rain, humidity and wind)

QUICK AND EASY MISSION SETUP

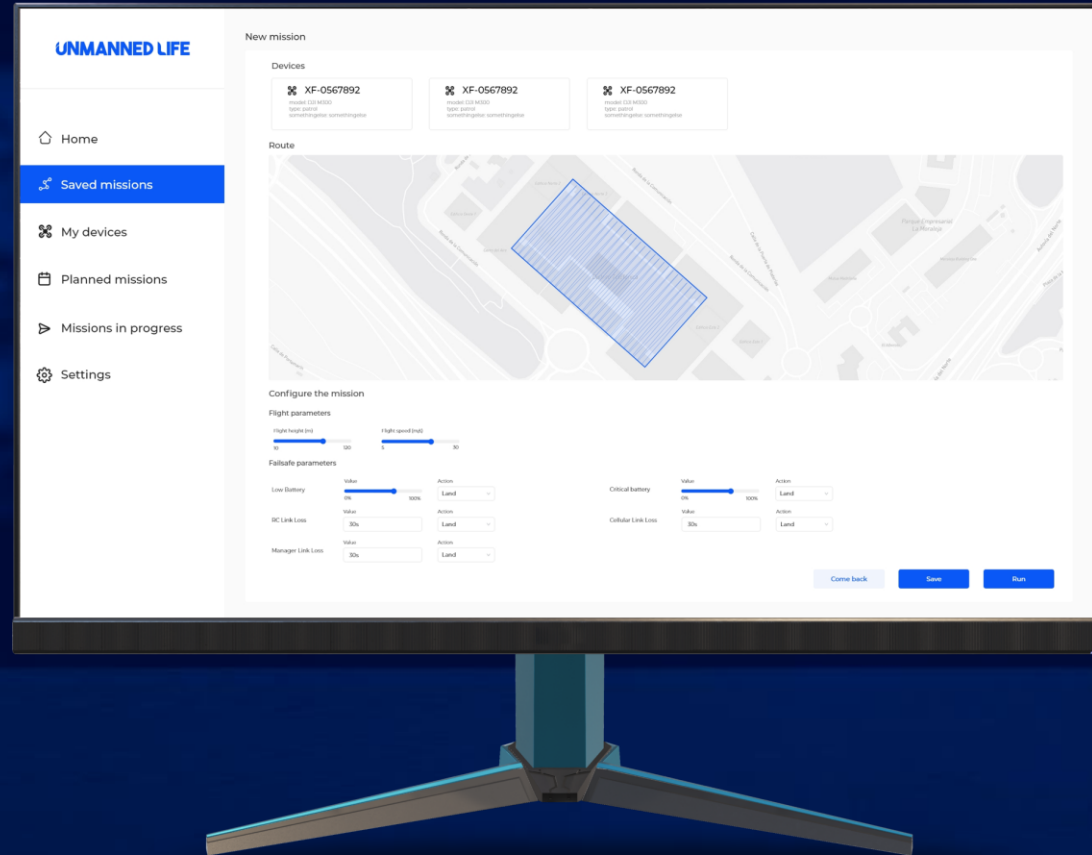
Select the Hardware



Configure and Launch
the mission



View Real-Time video Data
and Post-Mission Insights



Features

- ◆ Customisable Failsafe Procedures
- ◆ AI parameter selection
- ◆ Boundaries and Geofencing
- ◆ Omnidirectional Collision Avoidance

QUICK AND EASY MISSION SETUP

Select the Hardware

1



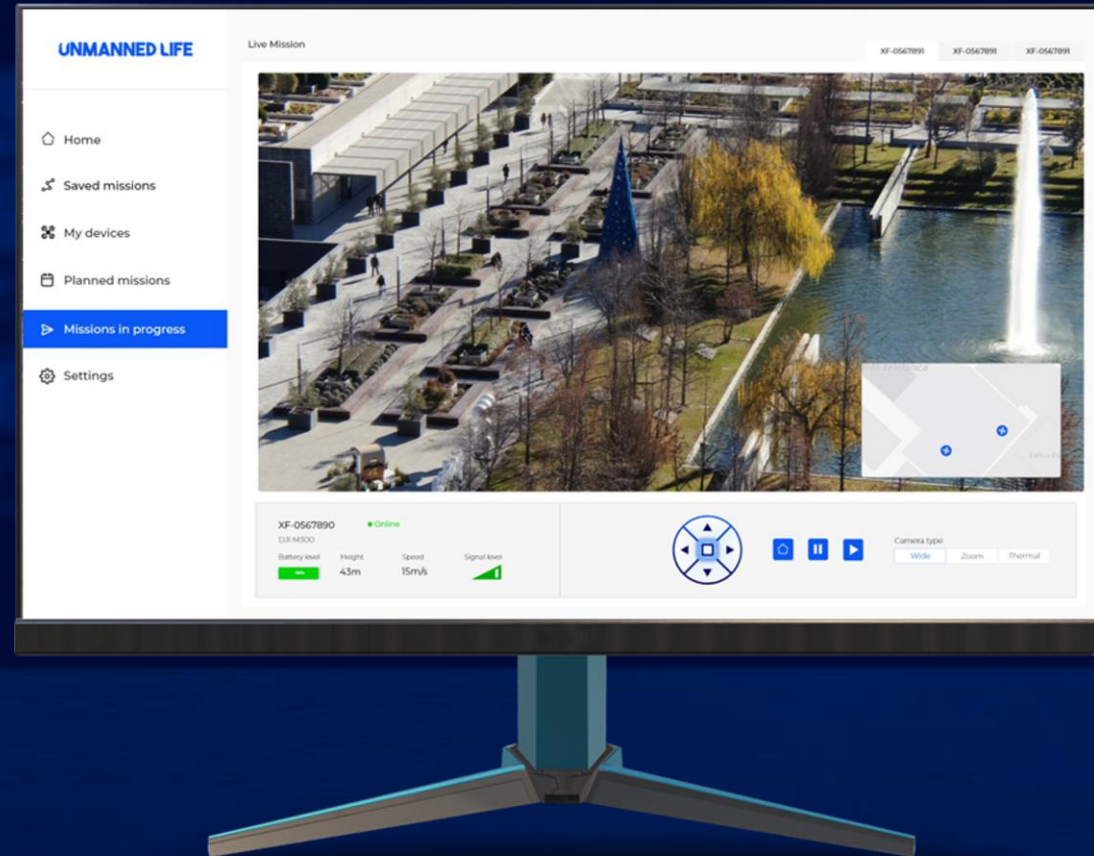
Configure and Launch
the mission

2



View Real-Time video Data
and Post-Mission Insights

3

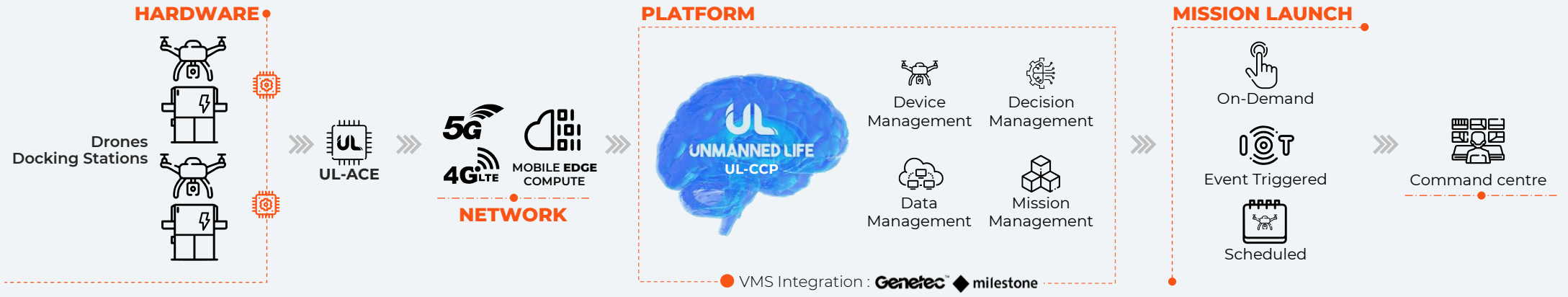


Features

- ◆ AI Decision Making and Pathing
- ◆ AI detection
- ◆ Camera Gimbal Control
- ◆ Teleoperations
- ◆ Live Mission Editing

U-SECURITY

ARCHITECTURE



NEXT-GENERATION

HARDWARE FOR SUPERIOR FUNCTIONALITY



◆ **UL-Box**

Water Resistance: IP45

Mobile Connectivity: 4G/5G



◆ **DJI M350**

Water Resistance: IP45

Temperature Range: -20°C to 50°C

Wind Resistance: 54 km/h

Flight Time: 35-50 minutes, payload dependent



◆ **HEISHA D135 Autonomous Docking Station**

Water Resistance: IP65

Temperature Range: -20°C to 50°C



◆ **T3 Weather Tower**

Weather Monitoring (rain, humidity and wind)

Enhanced Signal Reception



Benefits of U-Security

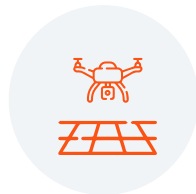
- ◆ **Constant Availability**
24/7 capabilities
- ◆ **Remote Issue Identification**
AI capabilities for rapid detection
- ◆ **Fast Event Response**
Up to 60km/h flight speeds
- ◆ **Ease of Use**
Fast setup with visual prompts



Over 12x Annual ROI



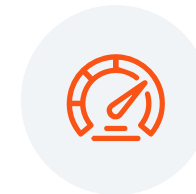
Mission Setup Time:
<2 mins from scratch



Area Coverage in One Flight:
>100 Hectares



Drone Battery Life:
Up to 50 Mins



Flight Speed Parameters:
1-60 km/h

PRICING MODEL



Hardware

- ◆ DJI M350 RTK Drone and Components
- ◆ DJI Zenmuse Camera Payload and Gimbal
- ◆ UL-Box Companion Computer per Drone
- ◆ Heisha D135 Docking Station
- ◆ Heisha T3 Weather Tower



System Setup

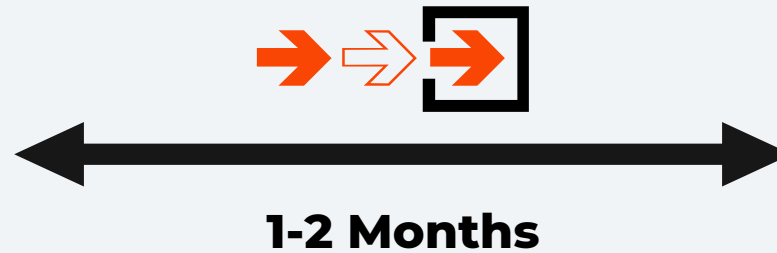
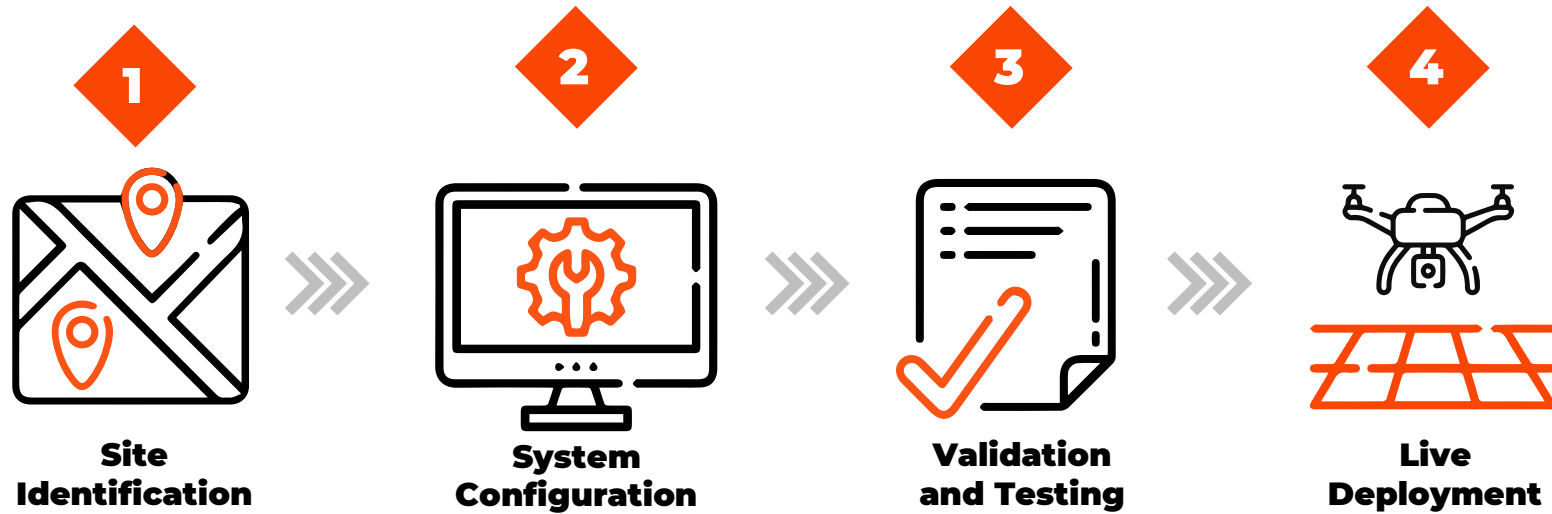
- ◆ A single installation of the platform available on-prem, cloud, or edge.
- ◆ Hardware Configuration
- ◆ Network Integration
- ◆ End-User Training and Documentation
- ◆ Simulations and Testing



Licence Per Device

- ◆ Platform Usage Licence
- ◆ Standard Support as per Service Level Agreement

Deployment Timeline



*Procurement and Flight Permit Dependent

OUR GLOBAL FOOTPRINT



Firefighter emergency response
Ecuador



Enterprise Headquarter Surveillance
Spain



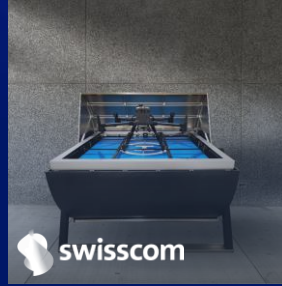
Facility Surveillance
Spain



Standard and Triggered Port Surveillance
United Kingdom



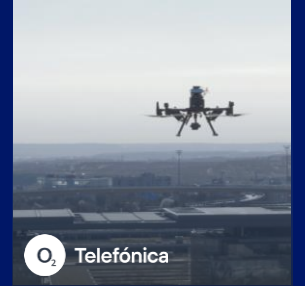
Multi-Site Surveillance Pilots
Canada



Enterprise Facility Triggered Surveillance
Switzerland



EDGE-Hosted Port Surveillance
Belgium



Drone-Based Situational Awareness
Germany



Client Success Story

Keeping Telefonica's HQ Safe



Watch our video

The Challenges

- ◆ The ground had concurrent guards frequently patrolling the headquarters both day and night.
- ◆ False alarms meant unnecessary callouts at early hours
- ◆ Video data needed to securely flow through the central security system.

The Solution



Two Autonomous Drones



AI at the Edge for Person Detection



Seamless Integration to Central Command



Public 5G Connectivity

The Benefits for Telefónica



80x Faster Response When the Environment is Unattended



35% savings in Operational Costs in the case of unattended sites



66% Reduction in Employee Time Spent on Surveillance Tasks



15x More Resource Efficient than Manual Surveillance



Additionally used to inspect solar panels on the building rooftop



U-SECURITY
By Unmanned Life



Telefónica

U-SECURITY

By Unmanned Life

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