

On-Premises AI Autonomy

Inspection to Detect, Count, Localize and Warn

Secure local intelligence for drones, docks, robots and camera systems.



We turn field data into immediate action

A Netherlands-based AI company building integrated software, hardware and detection solutions.

WHO WE ARE

Spectro AI designs on-premises AI autonomy for real-world inspection. Our systems combine mission planning, local processing and AI detection so organizations can operate with speed, control and data sovereignty.

Built for operational teams

From first responders and security teams to agriculture, infrastructure and ports.

One integrated approach

Software, edge hardware and trained algorithms work together as an operational system.



ISO 27001 CERTIFIED

Information security management

OUR VISION

Make secure, easy-to-use AI inspection accessible to people and organizations.

We bring intelligence closer to the sensor - where inspections happen and where decisions are made.

LOCAL PROCESSING

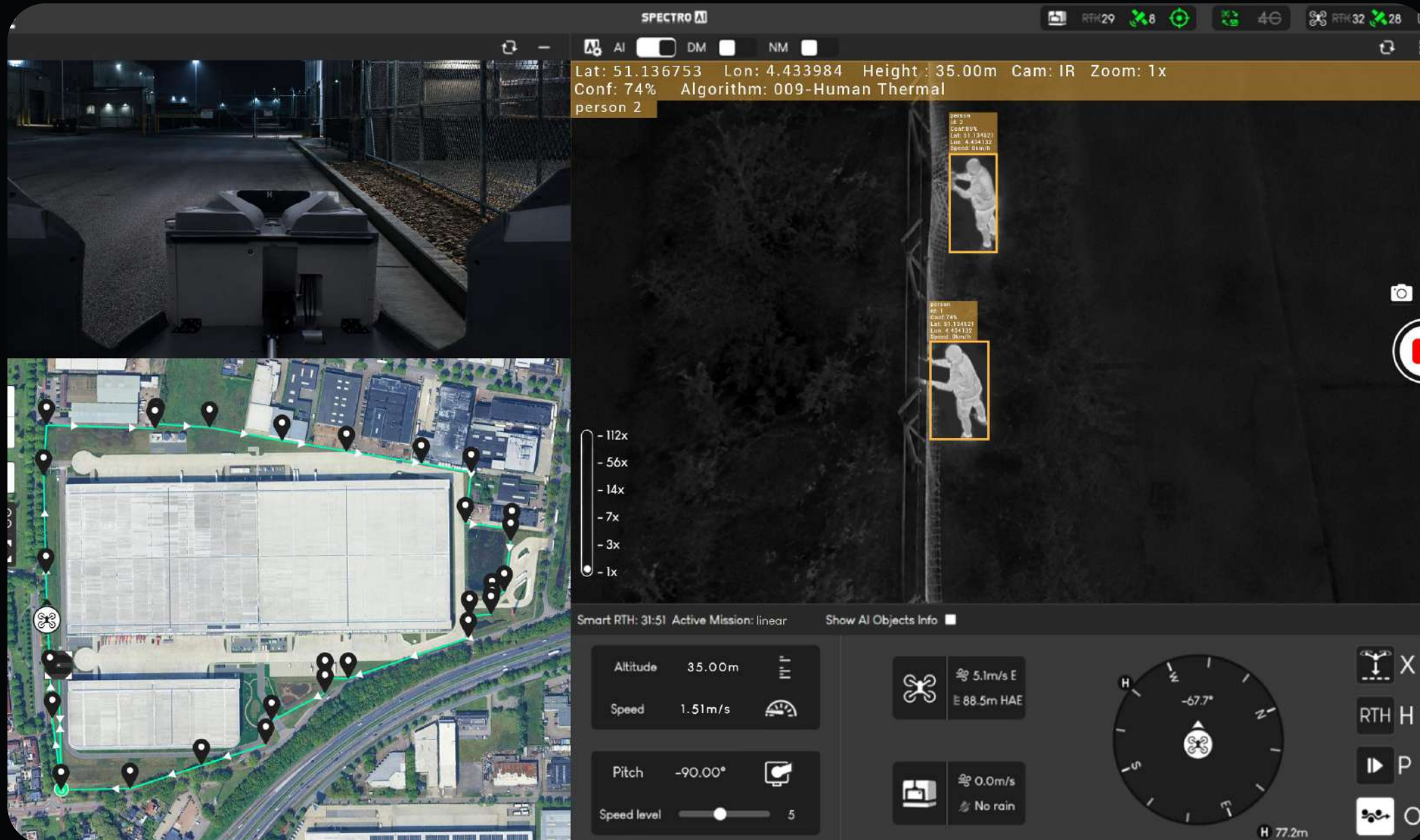
CONTROLLED DATA

FASTER RESPONSE



From mission to evidence - on premises

One environment connects planning, flight, live detection, alerts, data and reporting.



01

PLAN

Mission templates and scheduling

02

OPERATE

Drones, docks, robots and cameras

03

DETECT

RGB and thermal AI inference

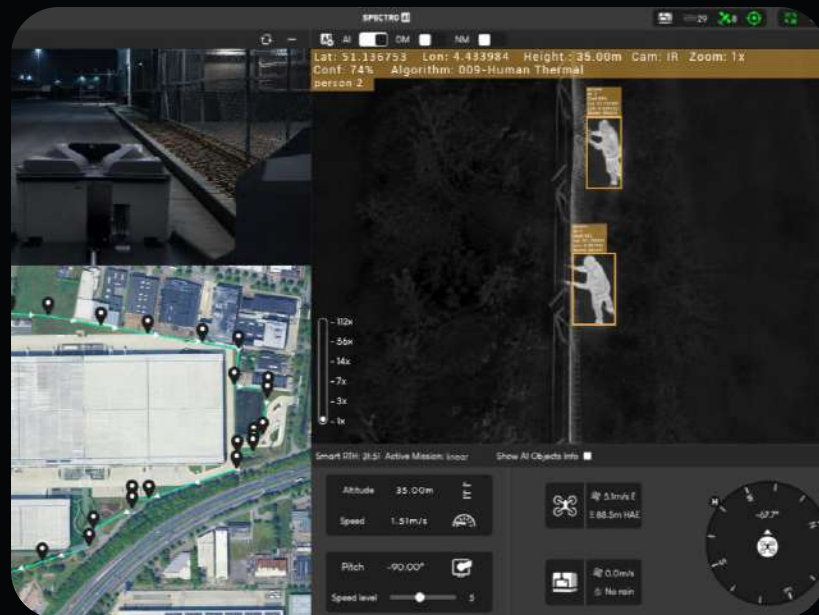
04

ACT

Warn, verify, report and integrate

Four product pillars. One operational ecosystem.

Each product solves a distinct deployment need while sharing the same on-premises foundation.



SAI-HUB

SOFTWARE PLATFORM

Mission planning, autonomy, detections, alerts and reporting.



Brain-Box

ON-PREMISES HARDWARE

Local AI processing and secure data handling at the edge.



DockWatch Trailer

MOBILE DEPLOYMENT

A complete, rapid drone deployment solution with automatic trailer doors, Brain-Box, an aviation receiver, PTZ cameras, and integrated power management.



AI Algorithms

DETECTION INTELLIGENCE

DJI On-Board products and Spectro-AI models for Brain-Box.

SAI-HUB brings mission control and AI into one platform

Presented as one software platform - adaptable to drones, docks, robots and video workflows.

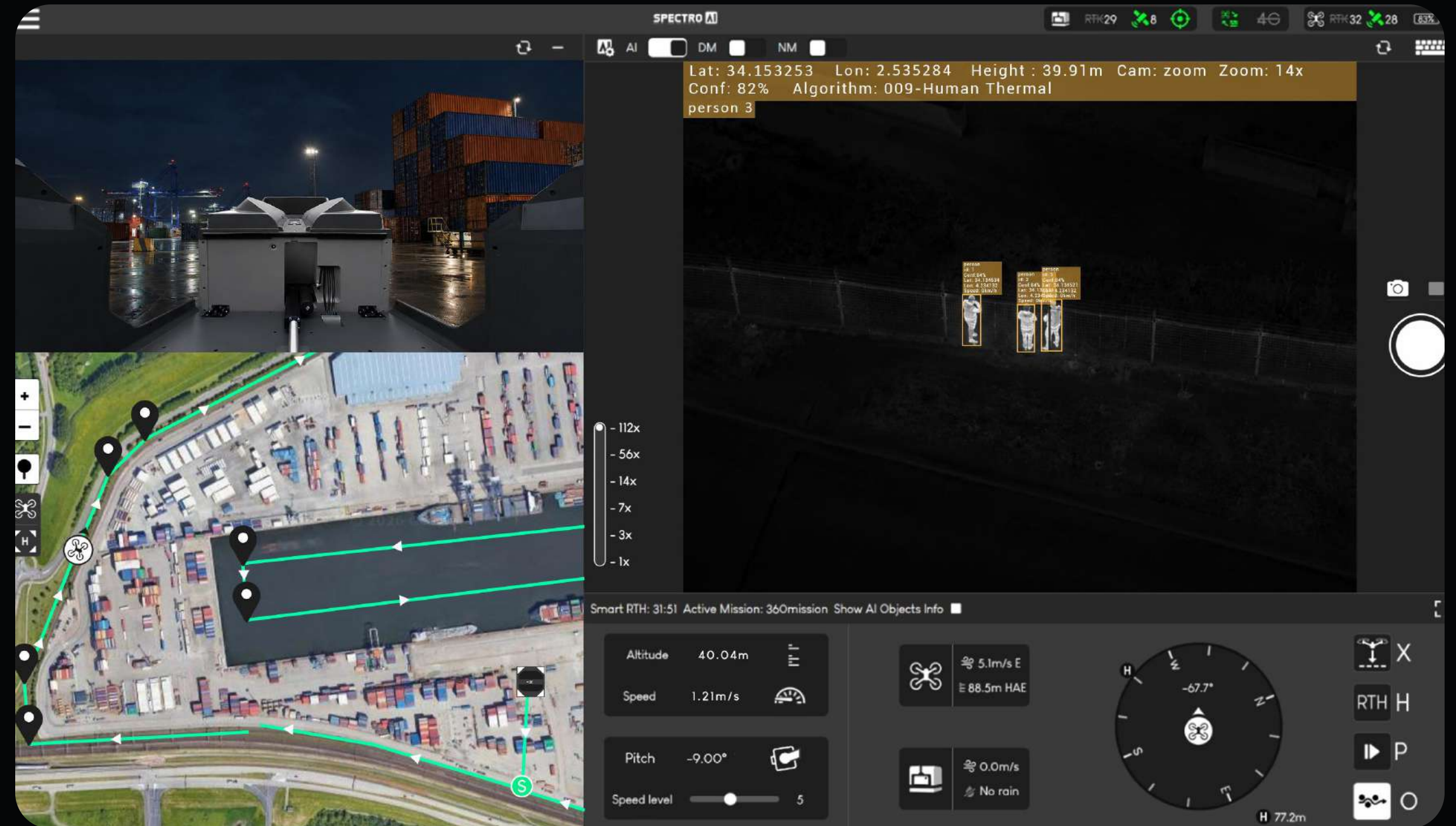
Plan missions.
Run autonomy.
Detect in real time.
Generate evidence.

Mission planning

Ready-made templates, routes and scheduled operations.

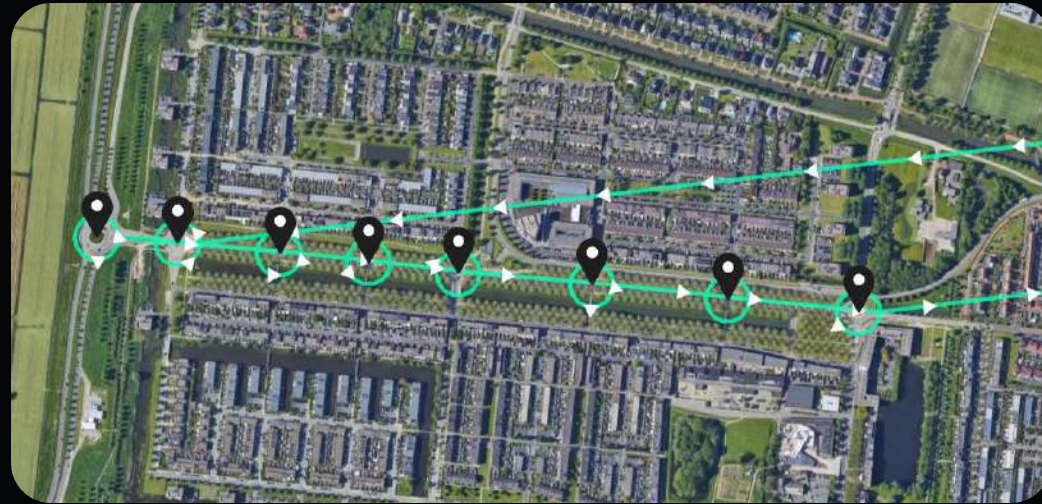
Operational intelligence

Live maps, telemetry, video, AI detections and alerts.



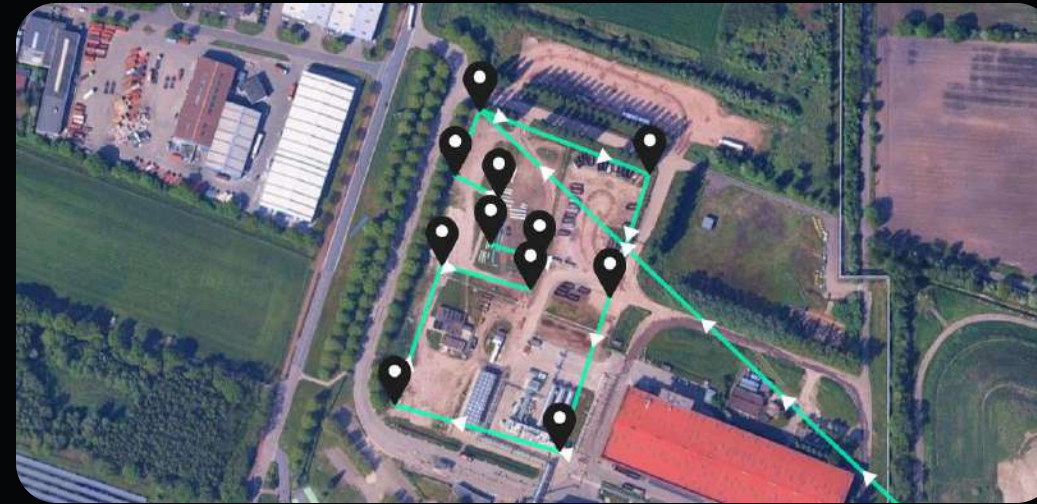
Reusable mission templates make inspections repeatable

Operators can configure standard routes quickly and retain manual oversight when required.



01 POINT OF INTEREST

Orbit and inspect a defined target



02 360 WAYPOINTS

Inspect multiple points around a subject



03 AREA SCANNING

Cover a defined area systematically



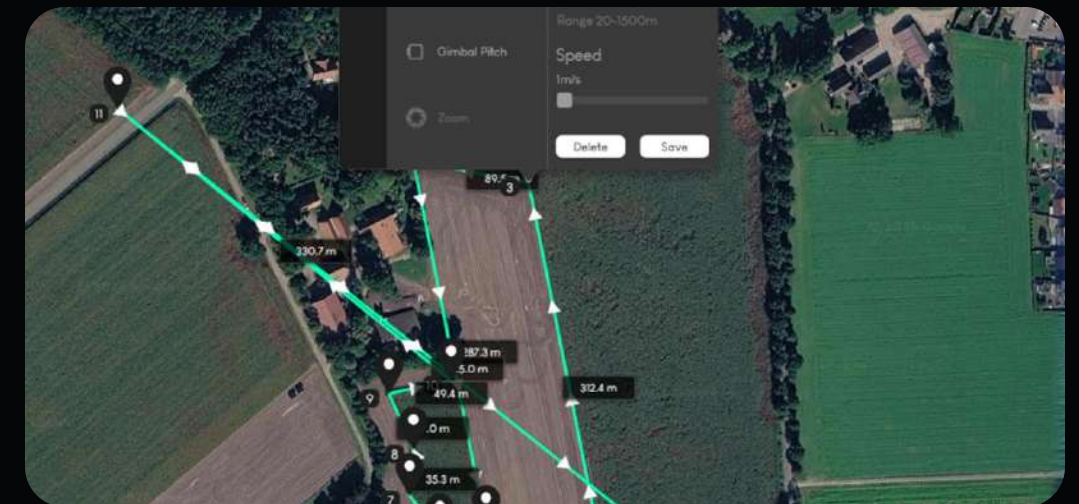
04 LINEAR INSPECTION

Follow assets, rows or corridors



05 PATROL ROUTE

Repeat a predefined patrol pattern



06 CUSTOM

Configure waypoint-by-waypoint logic

Brain-Box is the local compute layer

Purpose-built hardware runs SAI-HUB and Spectro-AI algorithms close to the operation.

ON-PREMISES AI INFRASTRUCTURE

Keep processing, detections and operational data under local control.

Runs with SAI-HUB

Supports mission planning, route execution, object detection and alerting.

Connects the deployment

Designed for drones, DJI docks, robots, cameras and external systems.

Ready for field use

Multiple hardware formats support mobile and fixed installations.



Two ways to put detection directly into operations

Choose native drone intelligence or a complete on-premises workflow with SAI-HUB and Brain-Box.



DJI ON-BOARD

Algorithms for Matrice 4 series drones

Purchased directly, activated for the operator and used inside DJI Pilot 2.



SPECTRO-AI ON-PREMISES

Algorithms integrated with Brain-Box + SAI-HUB

Local detection, structured data collection, alerts and report generation.

Take autonomous drone operations beyond fixed sites.

DockWatch Trailer protects and mobilizes DJI Dock deployments, combining secure enclosure, environmental control, connectivity and remote monitoring.

Deploy wherever the vehicle can reach

A mobile alternative when permanent infrastructure is impractical.

Built around DJI Dock 2 / 3

Automatic opening, protected storage and SAI-HUB monitoring.



One platform supports inspection across sectors

Mission patterns, sensor views and AI models are configured around the operational objective.

01 SECURITY

Perimeter patrol and thermal person detection

02 PUBLIC SAFETY

Fire, smoke and first-responder awareness

03 ASSET MANAGEMENT

Solar, wind and infrastructure inspection

04 AGRICULTURE

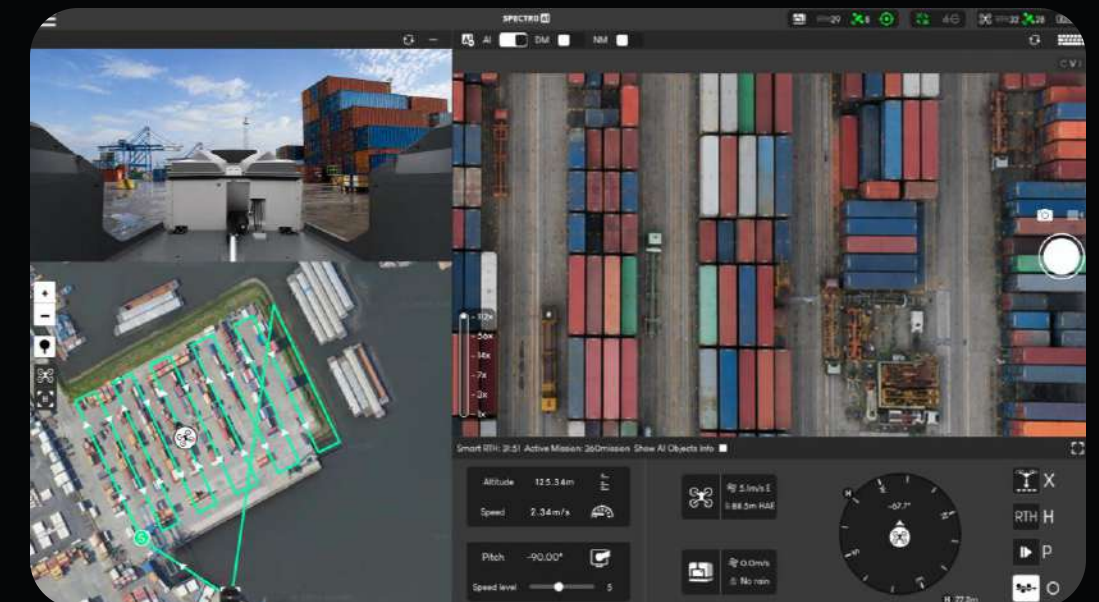
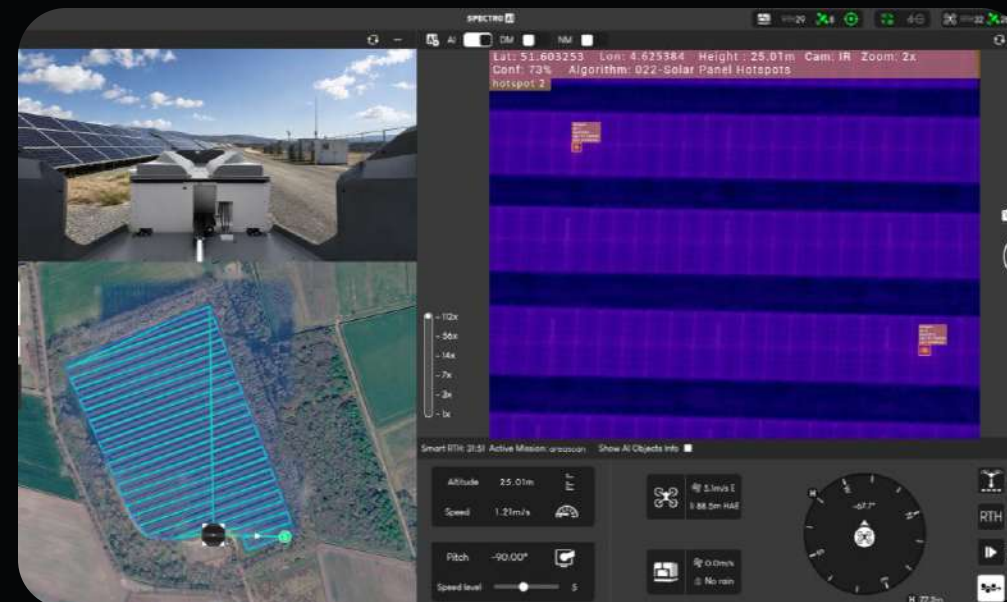
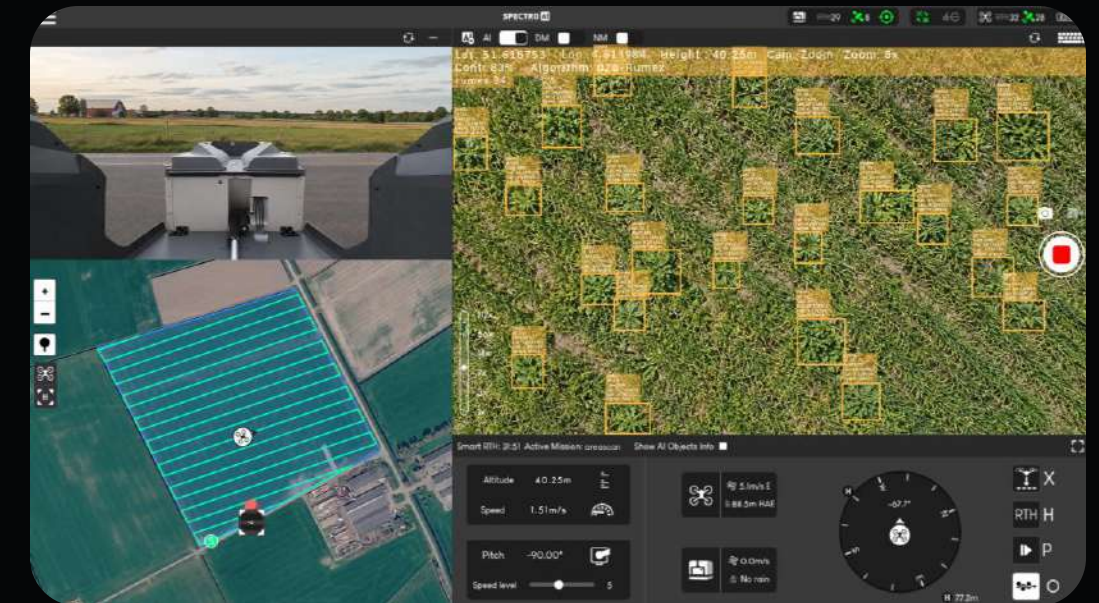
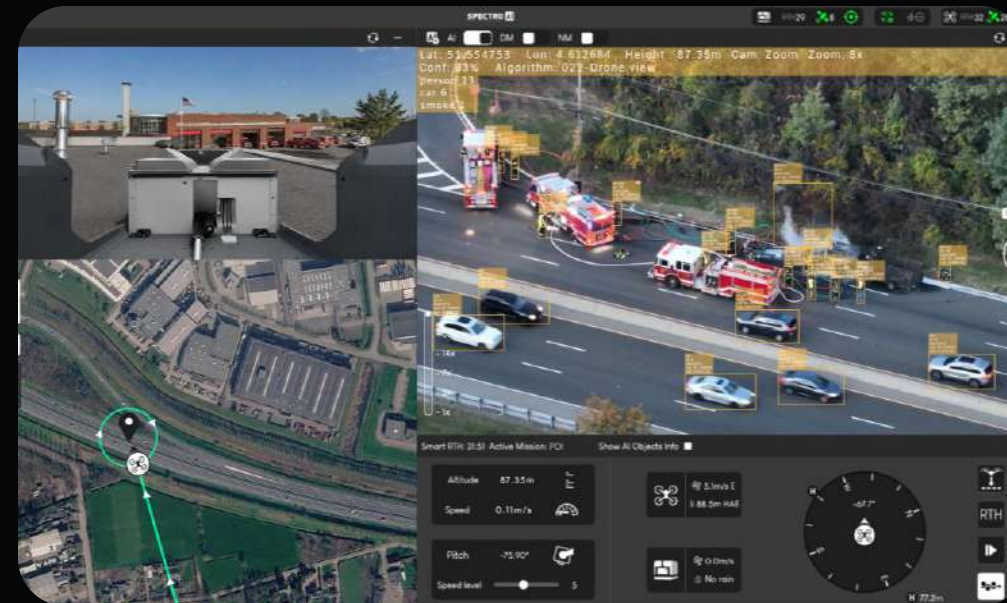
Wildlife, weed, livestock and crop scouting

05 DATA COLLECTION

Repeatable mapping, GIS and evidence capture

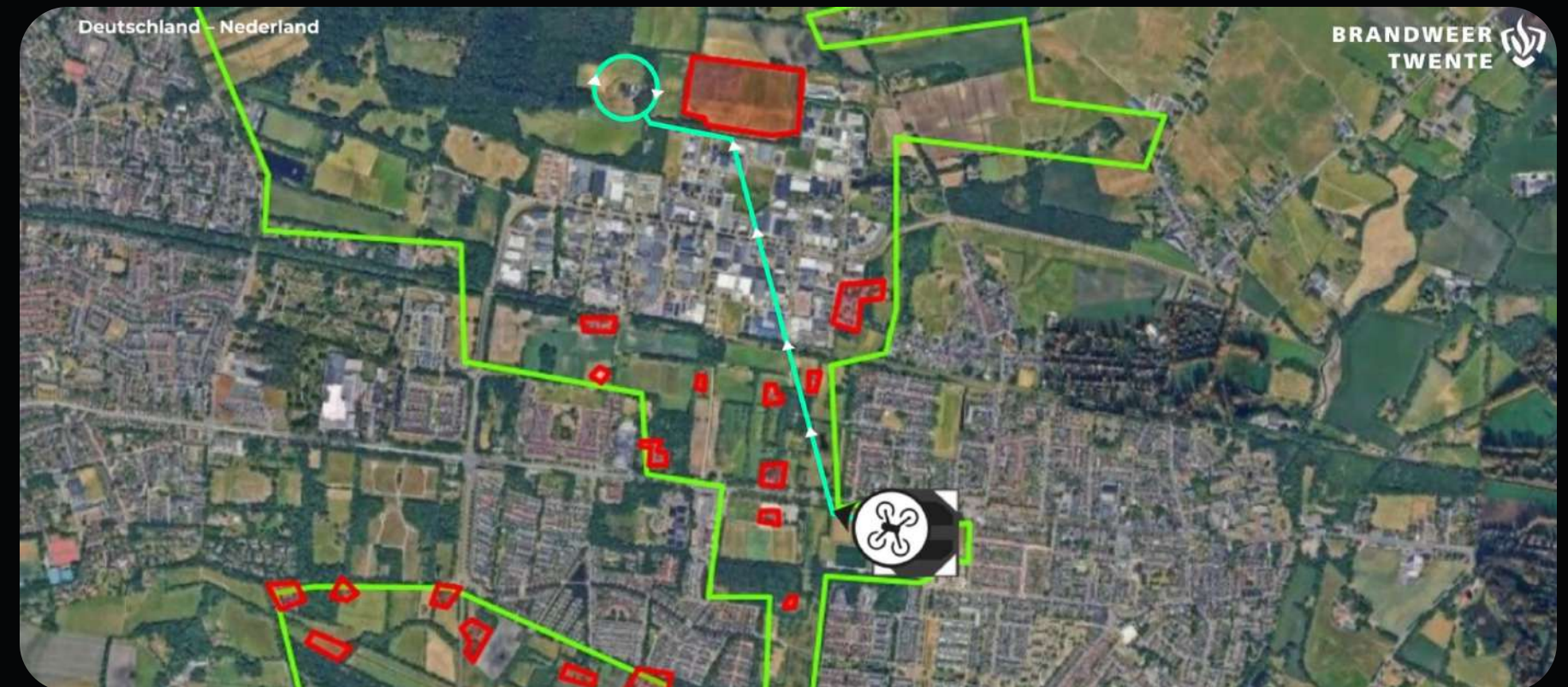
06 PORT INSPECTION

Thermal security and visual logistics context



Emergency Drone Project

Spectro AI contributes on-premises autonomy and AI-supported mission workflows to emergency-service innovation.



OPERATIONAL FOCUS

Rapid deployment, resilient communications and AI-supported situational awareness for emergency scenarios.

A growing international partner and reseller network

Technology partners, operators and channel specialists extend Spectro AI across markets and use cases.

PARTNERS

Brandweer Twente
SOS Drone Team NL
DLRG
NVWA
Drone Class
Drocean
METIP
LUGN Security
Zero Gravity
Vebego
Jover Energy
UAS Norway
TerraDrone
Vibemo
DNL Contact
HSY Group



DJI ON-BOARD ALGORITHM RESELLERS

CopterPro
Flysuedtirol
Copter-Expert



FLY SÜDTIROL

PRODUCT RESELLERS

DroneStars
Ankaa
NewRise
KLV



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Secure. Local. Operational.

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