AUTRIKOS · FOR SOLUTION PROVIDERS

One platform.
Any robot.
Every customer.

The operations stack you deploy for every client: drones, docks, rovers and boats, simulated, automated and run from one console.

- AIR
- GROUND
- MARINE
- DOCKS

AUTRIK.COM

Every customer runs a different fleet.

You deliver the solution. Today you also rebuild the plumbing, project after project.

↳ 01

Mixed hardware

DJI docks next to ArduPilot airframes, rovers and boats.

↳ 02

Vendor lock-in

OEM clouds only run their own devices.

↳ 03

Rebuilt every time

Video, telemetry, logs and maps, re-integrated per client.

↳ 04

Projects that end

Work stops at handover, with nothing left running for the client.

↳ WITH AUTRIKOS **One stack, reused for every customer.** YOU SELL · WE RUN THE PLATFORM

Three parts. One system.

ON EVERY ROBOT

skyclient

Companion computer on ArduPilot/PX4, or the SkyClient app on a DJI controller

- Device and peripheral mgmt
- Telemetry and commands
- Video stream management
- Encrypted 4G/5G links
- Full onboard logs

IN THE CLOUD

skymind

The backend every robot and operator connects through

- Fleet and device registry
- Messaging and live video
- Workflow engine
- Health and mapping pipelines
- APIs and events

FOR OPERATORS

skyview

One console for the whole fleet, in any browser or on device

- Live map of every robot
- Multi-screen video walls
- Plan, schedule, dispatch
- Alerts and instant takeover
- Web, desktop and mobile

↳ YOUR SYSTEMS **Plug in through APIs, MQTT events and share links.** EU CLOUD · YOUR CLOUD · ON-PREM

Rover, boat, dock or drone. It does not matter.

↳ CONTROL LAYER **AutrikOS** — ONE CONSOLE · ONE DATA MODEL



▲ AIR

Drones

DJI enterprise via MSDK v5 and Cloud API; any ArduPilot or PX4 airframe.



■ DOCKS

Docks

DJI Dock 1, 2 and 3: unattended, scheduled and alarm-triggered.

GROUND

▶ GROUND

Rovers

ArduPilot rovers and UGVs, e.g. Leo Rover, on the same map.

MARINE

≈ MARINE

Boats

USVs with sonar and echo sounders, e.g. HydroOne.

↳ PROTOCOLS **MAVLink · DJI MSDK v5 · Cloud API · PSDK** — RTSP · ONVIF · WEBRTC

Every current DJI enterprise platform.

Two integration paths, both shipping: DJI Cloud API for docks and enterprise remotes, MSDK v5 through our SkyClient app on the controller.



Dock 3
CLOUD API



Dock 2
CLOUD API



Matrice 4
CLOUD · MSDK



Matrice 400
CLOUD · MSDK



M350 RTK
MSDK V5



Matrice 30
CLOUD · MSDK



Mavic 3E
CLOUD · MSDK

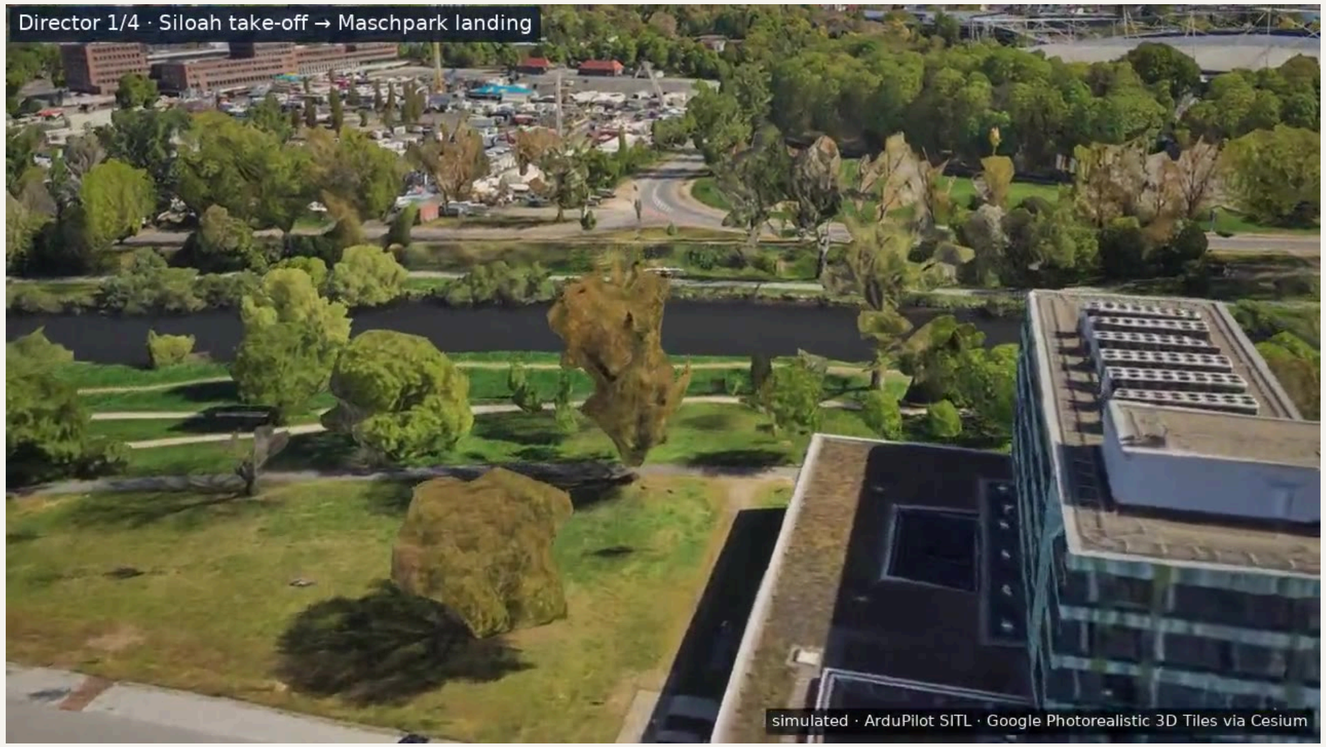
CLOUD API

Dock 3 (M4D/M4TD) · Dock 2 (M3D/M3TD) · Dock 1 (M30/M30T) · RC Plus 2 (M4E/M4T, M400) · RC Pro Enterprise (M3E/M3T/M3TA)

MSDK V5 · SKYCLIENT APP

M400 · M350 RTK · M300 RTK · M4E/M4T · M4D/M4TD · M30/M30T · Mavic 3E/3T · Mini 4 Pro · Mini 3 / 3 Pro

Rehearse the whole job in a virtual world.

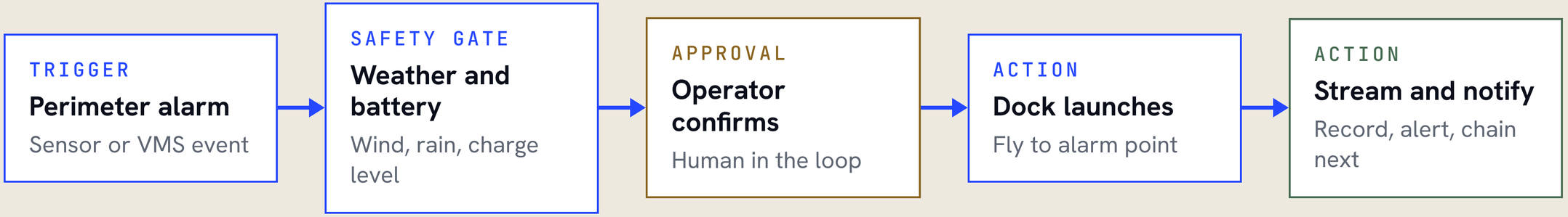


SHOWN: FIVE DRONES FLYING AT ONCE OVER A HANNOVER TWIN

- **Real firmware.** ArduPilot and PX4 SITL fly in photorealistic twins of the client's site.
- **Real platform.** Simulated robots join the fleet like real devices: missions, telemetry, live video.
- **Test before you fly.** Validate workflows, train crews and demo to clients before the first flight.
- **Air, ground, water.** Drones, rovers and boats on the same bench.

Draw it on a canvas. Run it hands-free.

CANVAS · PERIMETER RESPONSE



↳ TRIGGERS

6 live trigger sources

Schedules, telemetry, device state, mission completion, geofence breaches and more.

↳ GATES

6 safety gates

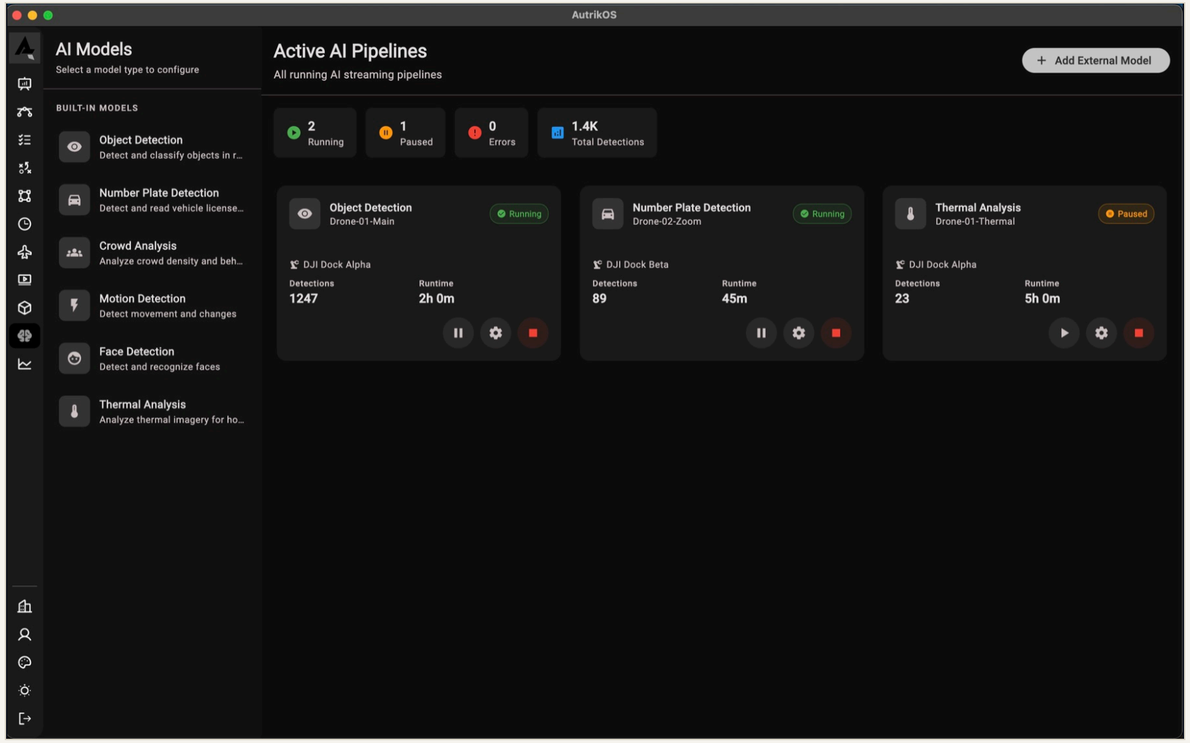
Every run checks conditions before a robot moves.

↳ CONTROL

Approvals and chains

Human sign-off where it matters; workflows that start workflows.

Detect and track any object type.



↳ FLEXIBLE

New object types

Open-vocabulary models (SAM 3) alongside fast trained detectors (YOLO).

↳ ON BOARD

Track by ID on DJI

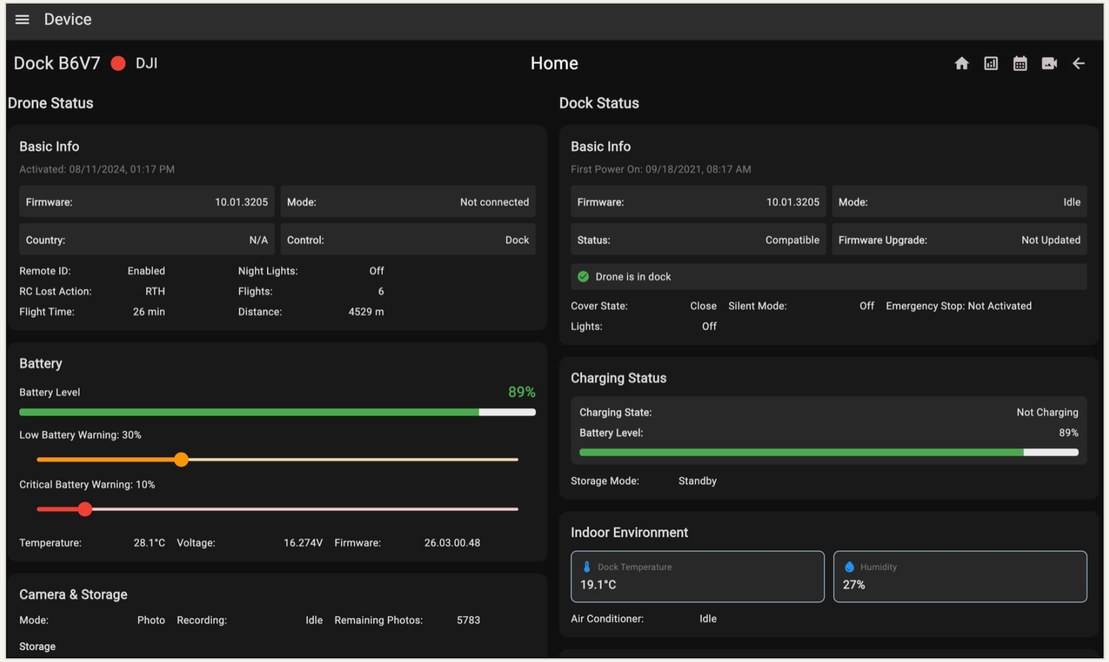
Onboard classification; click a box to follow it.

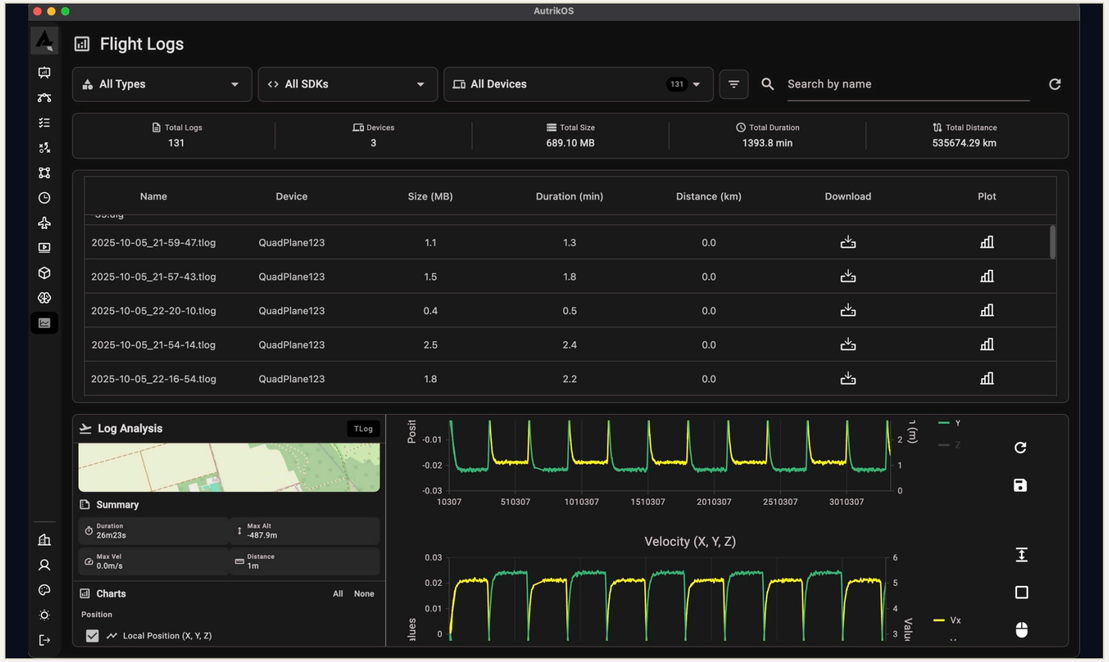
↳ OPEN

Bring your own model

Stream in, results back as overlays and events for workflows.

Know which robot is fit to fly.





↳ BATTERIES

Health and degradation trends per pack.

↳ SUBSYSTEMS

Autopilot, sensors, links, payloads and dock health.

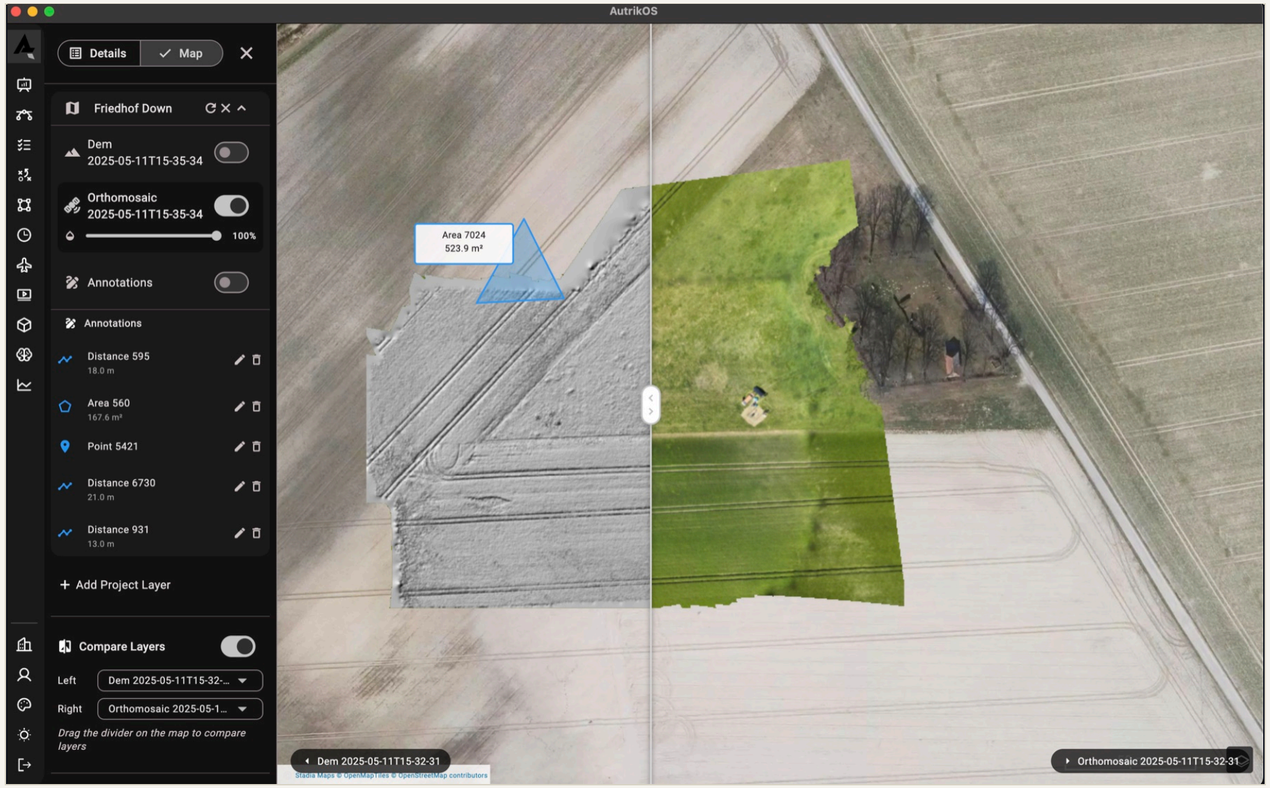
↳ LOGS

ULog, TLog and DJI logs plotted in the browser.

↳ FLEET-WIDE

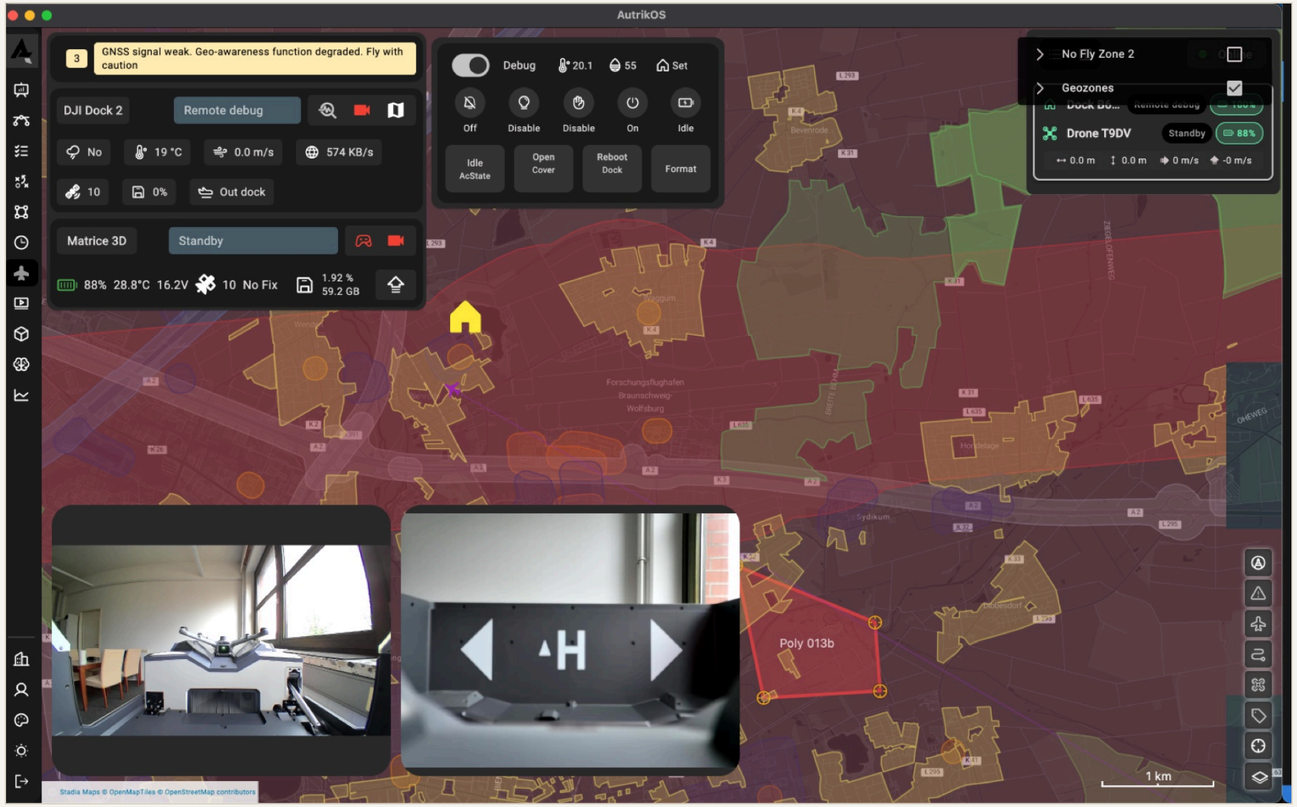
Compare aircraft, batches and sites; catch outliers.

From flight to deliverable. Shared with one link.



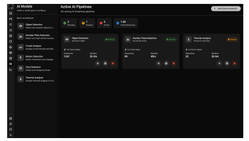
- **Processing built in.** Orthomosaics, DEMs, point clouds, 3D meshes, thermal maps and Gaussian splats.
- **Analyse.** Compare layers side by side, measure and annotate.
- **Share.** Hand clients a project by link, no account needed.
- **Your storage.** Workspaces can live in the client's own S3 bucket.

One operator. Many robots.



- **Every robot, one screen.** Live map, telemetry and video for the whole fleet.
- **Right attention.** Graded alerts, tasks and sound, so nothing is missed.
- **Instant takeover.** Low-latency direct control over 4G/LTE when needed.
- **Browser-based.** From one laptop to a video wall, anywhere.

Five solutions. One platform.

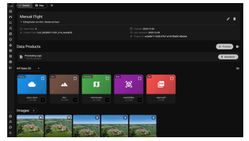


USE CASE 01

Drone as first responder

The drone launches to the incident; AI recognises and tracks people and vehicles live for the dispatcher.

AI TRACKING · ROC · DOCKS



USE CASE 02

Construction

Scheduled capture flights, automatic processing and progress compared layer by layer, shared with the client.

MAPPING · SCHEDULING · SHARING



USE CASE 03

Security

An alarm triggers the flight: the dock launches, flies to the alarm point and streams to the control room.

WORKFLOWS · DOCKS · LIVE VIDEO



USE CASE 04

Gas monitoring

Scheduled flights over plants and pipelines with gas sensors; readings logged, trended and flagged.

SCHEDULING · PAYLOADS · ANALYTICS



USE CASE 05

Training

Simulated 3D worlds built from real places, for operator training and for training machine-learning models.

SIMULATION · DIGITAL TWIN · ML DATA

Sell the solution. Run it on AutrikOS.

↳ DEPLOY

Anywhere

Our EU cloud, your cloud region, on-prem or air-gapped. Same software.

↳ INTEGRATE

Into your offer

APIs, MQTT events and share links connect your client systems.

↳ PROVEN

In the field

Deployed with a major telecom operator in Kazakhstan (DFR, forest-fire prevention) and in the NIGHT-FAST medical-delivery project.

Start with one client project.

We set up the stack, twin the site and train your team.

Become a partner →

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