



■ PAAS · AERIAL INTELLIGENCE

AirFathom

The system of record for aerial survey work — one record per job, from tender to signed deliverable. Each stage opens only on recorded evidence.

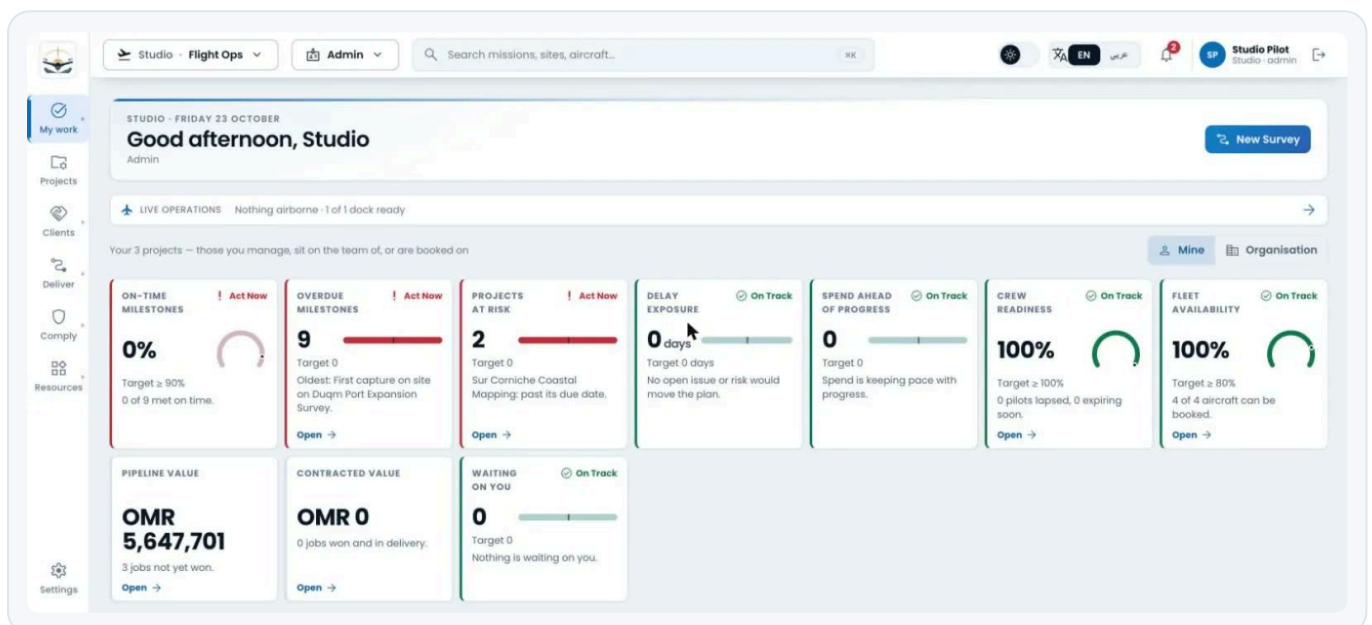
Survey and inspection

SORA 2.5

Drone-in-a-Box

Open-source processing

3D



Every project's health, crew and fleet at a glance. Captured from the live platform with sample data.

4 cm

Orthophoto resolution

16.0 M

Points in the 3D cloud

311

Contours drawn at 2 m

900+

Automated tests guard every release

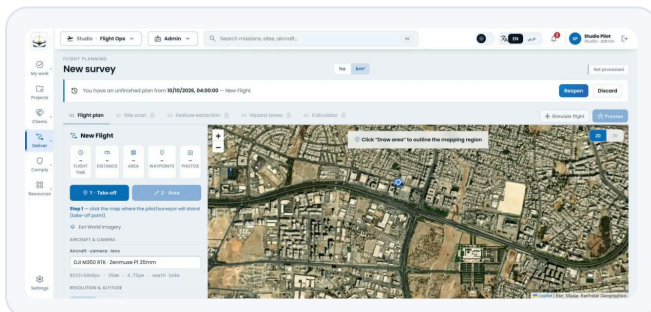
Figures from the validation run: 77 images processed end to end.

ONE RECORD PER JOB

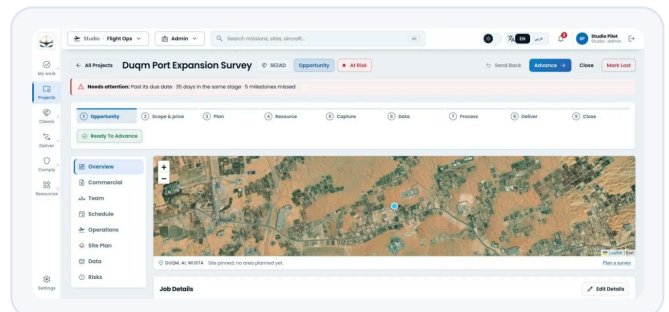
From tender to delivery, in eight gated stages.

WIN AND PLAN			
01 Tender intake GSD, area, deadlines and budget read on our own servers. A person confirms each value.	02 Resource plan Aircraft and crew ranked by fit, availability, qualification currency and experience.	03 Method statement Built from the job record, signed internally, sent for e-signature.	04 Proof of concept A theory session and a demo flight measured against the client's KPIs.
FLY AND DELIVER			
05 Flight readiness SORA, pilot currency, aircraft serviceability, weather, daylight and airspace.	06 Capture Flight logs and raw imagery registered to the job and verified byte for byte.	07 Process and QC Orthomosaic, DSM/DTM, point cloud and contours, reviewed on the map.	08 Delivery Deliverables released against the job, with the full history kept for audit.

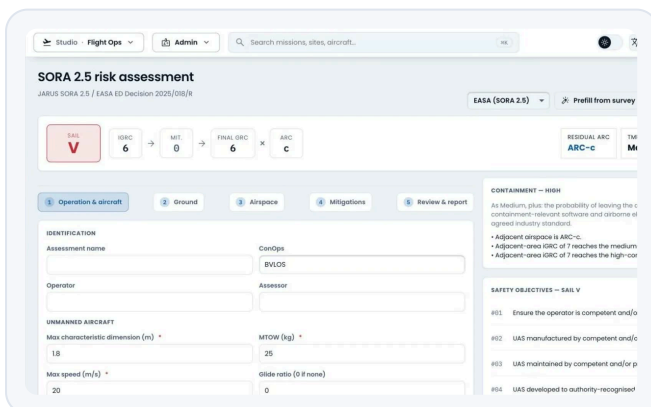
GATE RULE A stage without its evidence will not open — and the refusal names the missing step.



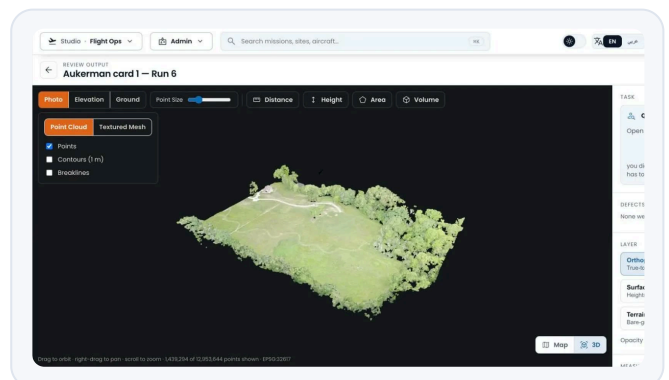
Flight planning: area, aircraft and camera on imagery.



Project record: each stage opened by evidence.



SORA 2.5 risk assessment, worked through step by step.

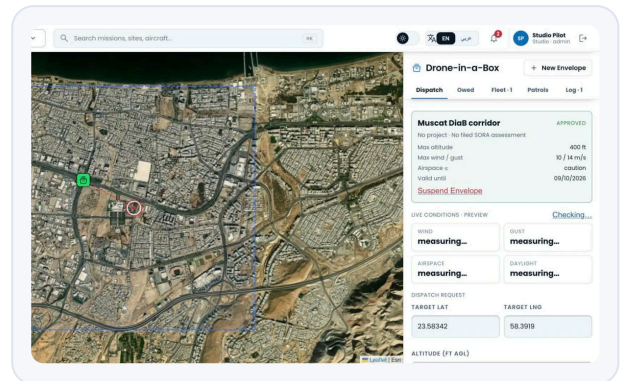


Reviewed 3D model with distance, height, area and volume tools.

COMPLIANCE IN EVERY FLIGHT

Drone-in-a-Box, with a clear BLOCK or ALLOW.

- ✓ **SORA-based operating envelopes**, approved before any automated flight.
- ✓ **Dispatch checks** dock, aircraft and pilot, with live wind, daylight and airspace measured.
- ✓ **Tamper-evident**, chained launch log for every flight.
- ✓ **Each launch** creates its flight log and dataset automatically.



Drone-in-a-Box dispatch against an approved corridor.

SURVEY DELIVERABLES

- Orthomosaic and DSM/DTM
- Point cloud, mesh and 3D viewer
- Contours, slope-break lines, CAD DXF
- Volumes and sections, CSV export

OPERATIONS BACKBONE

- Fleet, crew qualifications and leave
- Procurement with three-way match
- Orders and invoices synced to Univo
- Pilot academy and certification

PROCESSING

- Open-source photogrammetry
- No per-seat licences
- QA on the map before release
- Cloud or on-premise

GET IN TOUCH

Let's talk about your requirements.

Share the pipeline, scope one priority in a workshop, or run a proof of concept against agreed success measures.

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