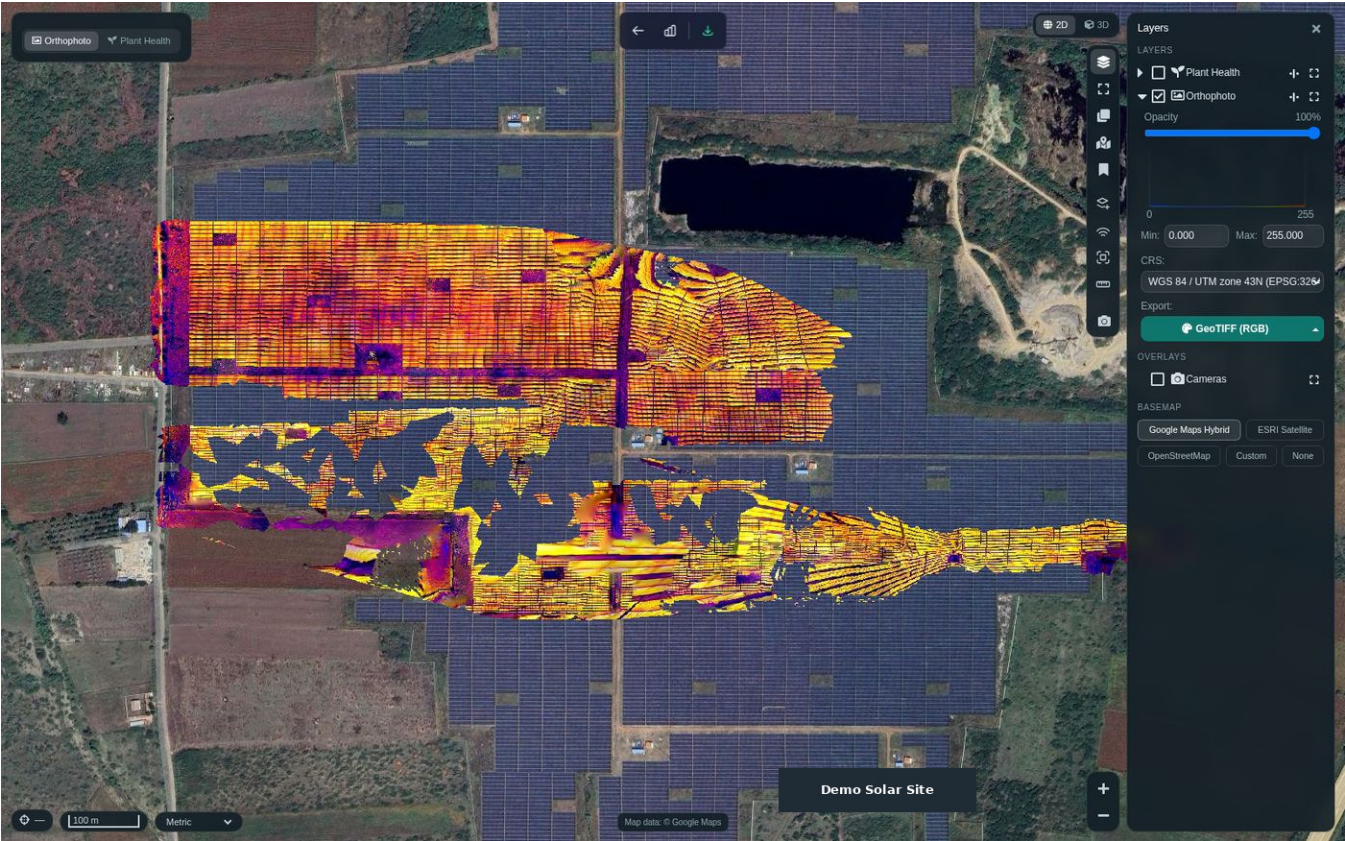




PRODUCT PUBLICATION / EDITION 1.1

HelloGeo Platform

Combined Command Centre, Control Centre & Suite Handbook



One controlled publication for live operations, physical-system control and geospatial processing.

COMMAND Plan + fly	CONTROL Operate + detect	SUITE Process + analyze	GOVERN Secure + evidence
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HG-MASTER-PB-1.1 | UI baseline August 2026 | Publication-ready 30 August 2026
For Program owners, operations teams, administrators, pilots, data teams, partners and support engineers

DOCUMENT GOVERNANCE

Publication control and permitted use

The editable master is controlled; authorized issued copies are exported only after release approval.

FIELD	CONTROLLED VALUE
Document ID	HG-MASTER-PB-1.1
Edition	1.1 / UI baseline August 2026
Owner	HelloGeo Product Engineering & Documentation
Classification	Controlled editable publication master / authorized distribution
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Review trigger	Major UI release, safety-impacting change, regulatory change or 12-month review
Support	support@hellogeo.world

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OPERATIONAL	This guide supports trained personnel; it does not replace aircraft manuals, site procedures, risk assessments, airspace authorization, local aviation rules or emergency instructions. The operator in command remains responsible for every live action.
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STATUS	Training captures in this edition use sanitized identities, TEST-NET addresses and neutral project data. Printed copies are uncontrolled; confirm the document ID, edition and current release manifest before relying on a procedure.
--------	--

RELEASE RECORD	CONTROLLED ENTRY
Revision	1.1 · 30 August 2026 · publication hardening and review actions implemented
Review	Product Engineering, QA, Safety and Privacy/IP roles; evidence retained in the release register
Approval	External issue requires the authorized HelloGeo Release Owner to record approval
Status	Publication-ready editable master

[HelloGeo website](#) | support@hellogeo.world

PLATFORM ARCHITECTURE

One platform, three operational layers

Command Centre governs live flight, Control Centre governs connected site systems, and Suite governs project data and analysis.

COMMAND CENTRE Plan + monitor		CONTROL CENTRE Operate + detect	HELLOGEO SUITE Process + analyze
LAYER	PRIMARY RESPONSIBILITY		TYPICAL HAND-OFF
Command Centre	Docks, aircraft, live video, telemetry, waypoint/grid missions and captured media		Mission plan, flight state, logs and captured data
Control Centre	Drone station, PTZ, weather, Artpole, Master Control, AI Vision and operator permissions		System state, alerts, galleries and incident reports
HelloGeo Suite	Projects, datasets, photogrammetry, LiDAR, KML/GCS files, GCPs, annotations and AI analytics		Geospatial products, reviewed findings and controlled deliverables

GOLDEN THREAD	Authorize -> plan -> configure -> verify -> operate -> capture -> synchronize -> process -> review -> deliver -> archive. Preserve identity, time, version and evidence at every hand-off.
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SEPARATION OF DUTIES	A person who can view data should not automatically receive live-control, firmware, user-administration or external-sharing rights. Assign each permission deliberately.
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MASTER CONTENTS

Combined contents and reading paths

The combined edition contains the full operational chapters from all three individual publications.

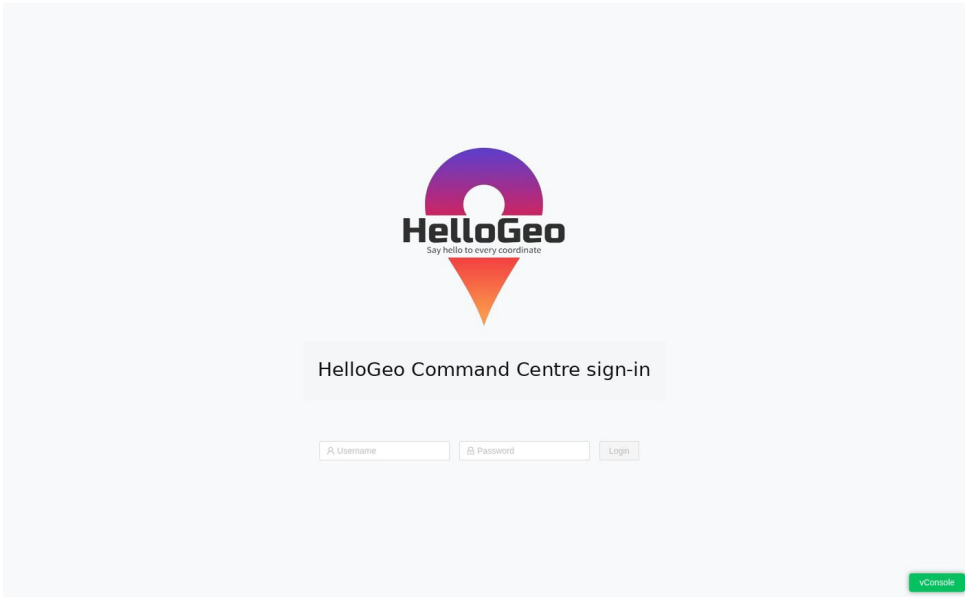
PART	COVERAGE	PAGES
I	HelloGeo Command Centre — access, console, telemetry, streaming, missions, media and administration	5-16
II	HelloGeo Control Centre — devices, Master Control, site hardware, AI Vision, users and permissions	17-27
III	HelloGeo Suite — projects, processing, LiDAR, raster, GCS, GCP, capture, AI and access control	28-43
IV	Integrated operations — hand-offs, evidence chain and incident escalation	44-45
V	International alignment, release assurance, copyright controls and glossary	46-49

PILOT Parts I + IV	CONTROL ROOM Parts II + IV	DATA TEAM Parts III + IV	ADMIN All parts
USE CURRENT UI	UI labels match the August 2026 baseline. Confirm release notes and local procedures before using this master edition with a newer build.		

PART I / COMMAND CENTRE / 01 / ACCESS

Access the Ground Control Station

Use the administrator-issued Command Centre URL and a dedicated account for the correct workspace.



HelloGeo Command Centre sign-in — username and password entry.

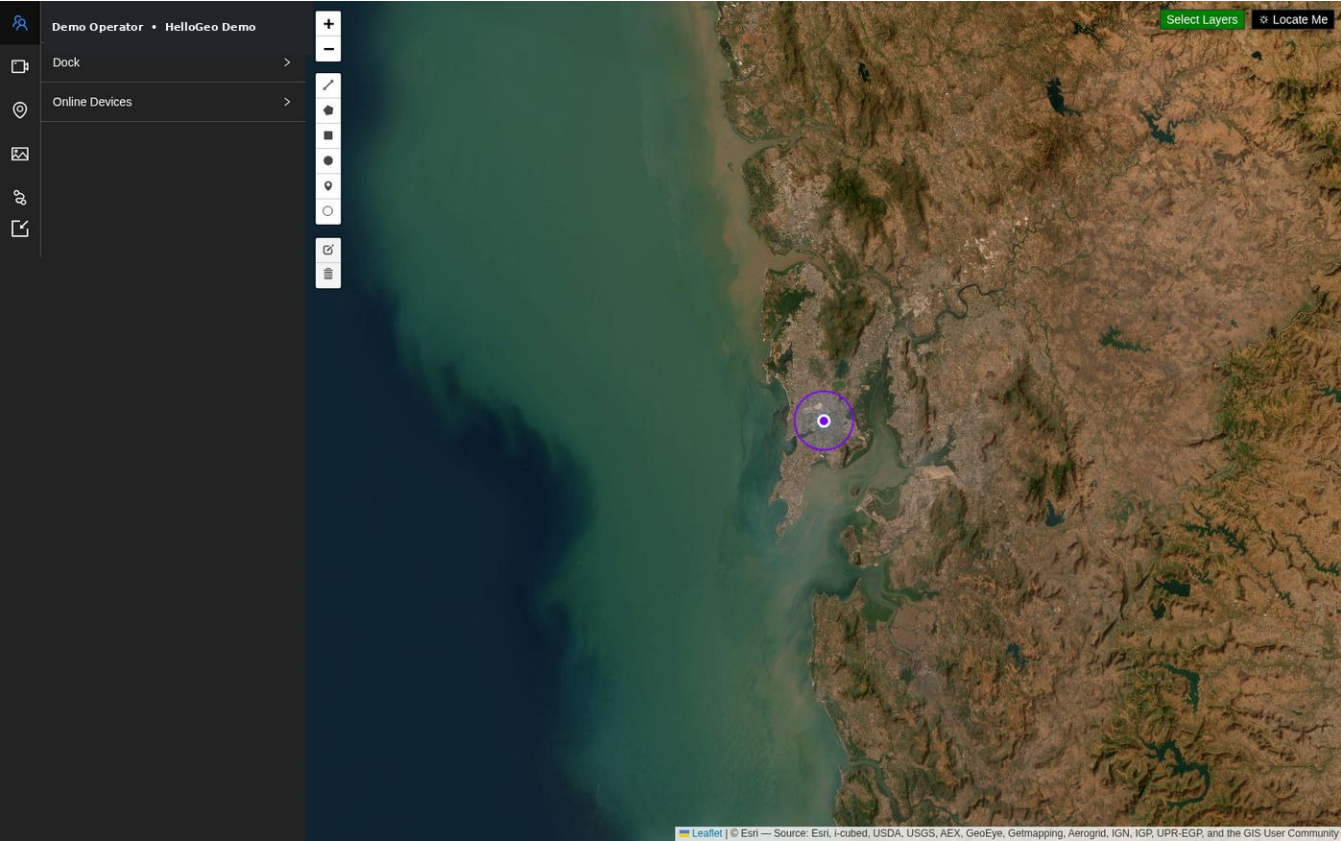
- 1. **Open** - Launch the approved Command Centre URL in a supported browser and confirm the tenant/workspace.
- 2. **Authenticate** - Enter the assigned username and password; never use another operator's credentials.
- 3. **Verify** - Confirm the expected workspace and role before selecting any dock, aircraft or mission.

ACCOUNT BOUNDARY	Command Centre accounts are managed separately from HelloGeo Suite accounts. Ask the administrator to provision the correct product and workspace rather than reusing credentials.
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PART I / COMMAND CENTRE / 02 / CONSOLE

Read the main console

The satellite map remains the operating canvas while the left rail opens product functions.



Main console with satellite map, left rail and the default device panel.

RAIL AREA	PURPOSE
Person	Dock status, online devices and live telemetry
Video	RTMP/GB28181 live streaming
Pin	Shared map annotations
Image	Captured photo/video gallery
Route	Waypoint and area mission libraries
Pencil	Members, devices and firmware administration

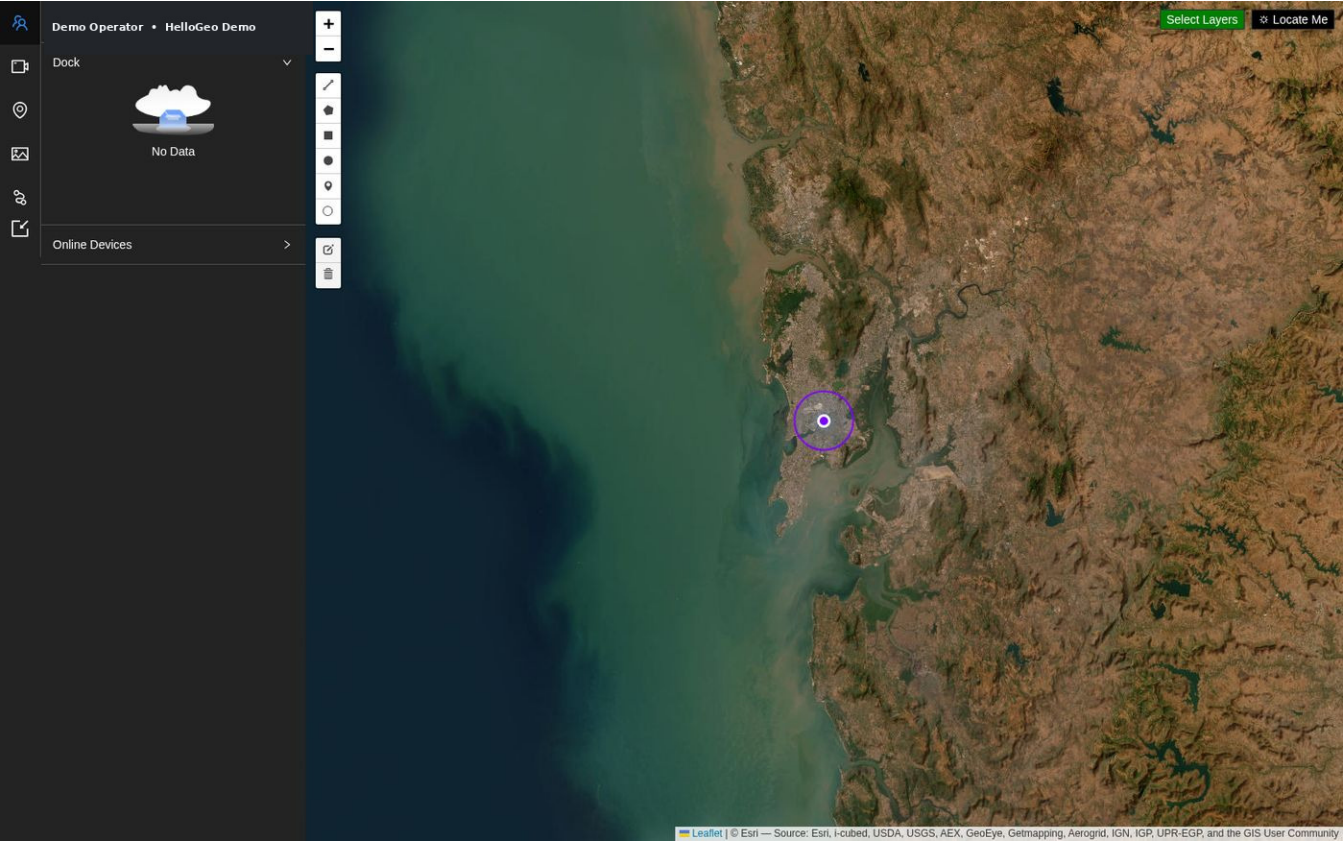
MAP TOOLS

Use zoom, drawing, basemap selection and Locate Me for context. A map display is not proof of safe airspace or obstacle clearance.

PART I / COMMAND CENTRE / 03 / TELEMETRY

Docks, devices and live telemetry

Select the Person rail icon, then select an online dock or aircraft to view its current state.



Dock and online-device panel in an offline workspace.

AIRCRAFT TELEMETRY	DOCK TELEMETRY
Signal, RC battery, aircraft battery	Running/activation time and network state
GPS, RTK and RTK Fixed state	Media remaining to upload
Flight mode, altitude and distance home	Wind, rain and environment temperature
Horizontal/vertical speed and wind	Dock temperature, humidity, voltage and current
Return/landing reserve indicators	Drone-in-dock and video-quality state

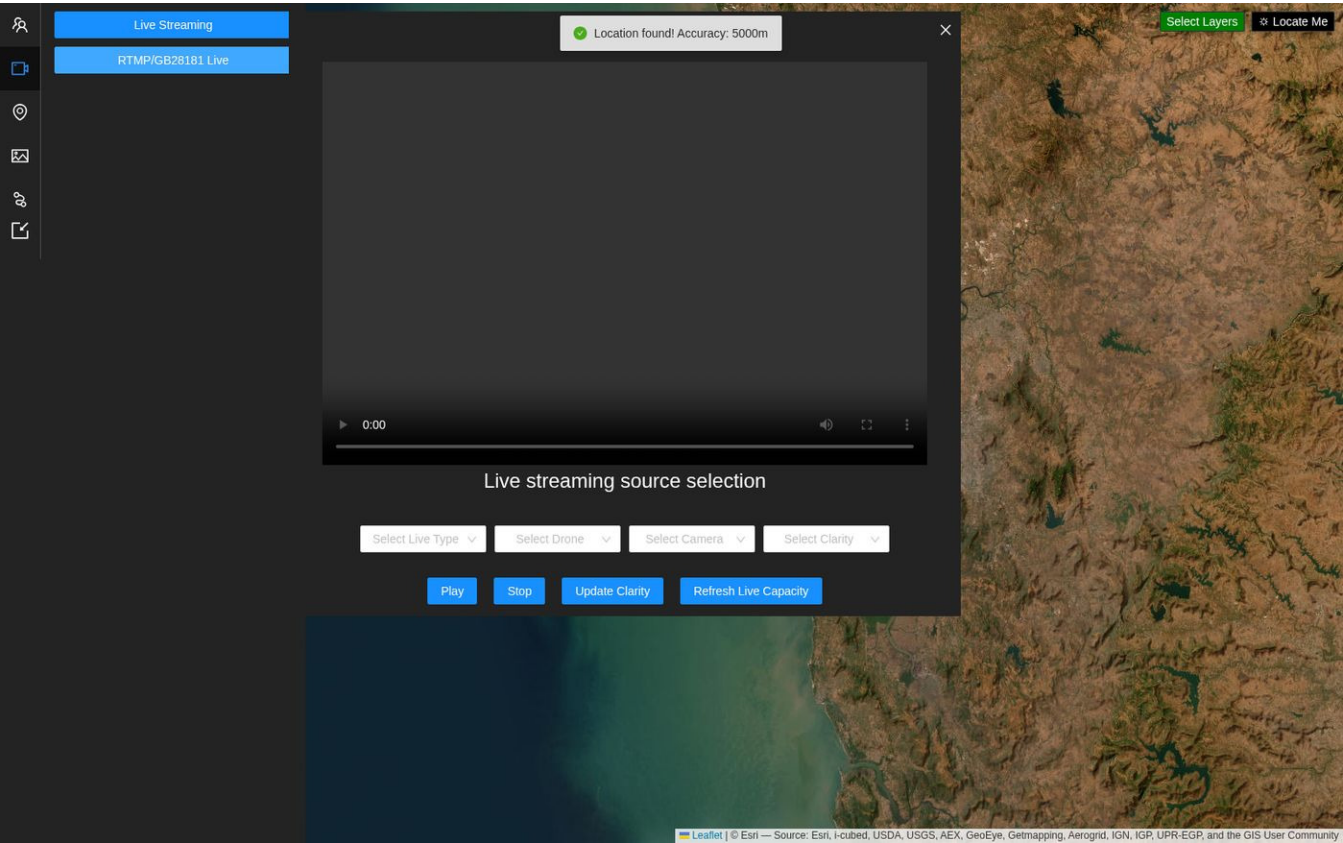
LIVE DATA

No Data is normal when hardware is powered off or disconnected. Do not infer a safe state from stale or absent telemetry.

PART I / COMMAND CENTRE / 04 / LIVE VIDEO

Open and validate live streaming

Select source, aircraft, camera and clarity before activating the feed.



Live Streaming selector for protocol, drone, camera and clarity.

- 4. **Choose source** - Select the approved live type, including RTMP/GB28181 where configured.
- 5. **Choose aircraft** - Confirm the online drone matches the mission and map marker.
- 6. **Choose camera** - Select the required wide, zoom or IR/thermal lens where available.
- 7. **Choose clarity** - Use a quality level supported by the network and operational need.
- 8. **Start and confirm** - Verify time, orientation and visible scene before relying on the feed.

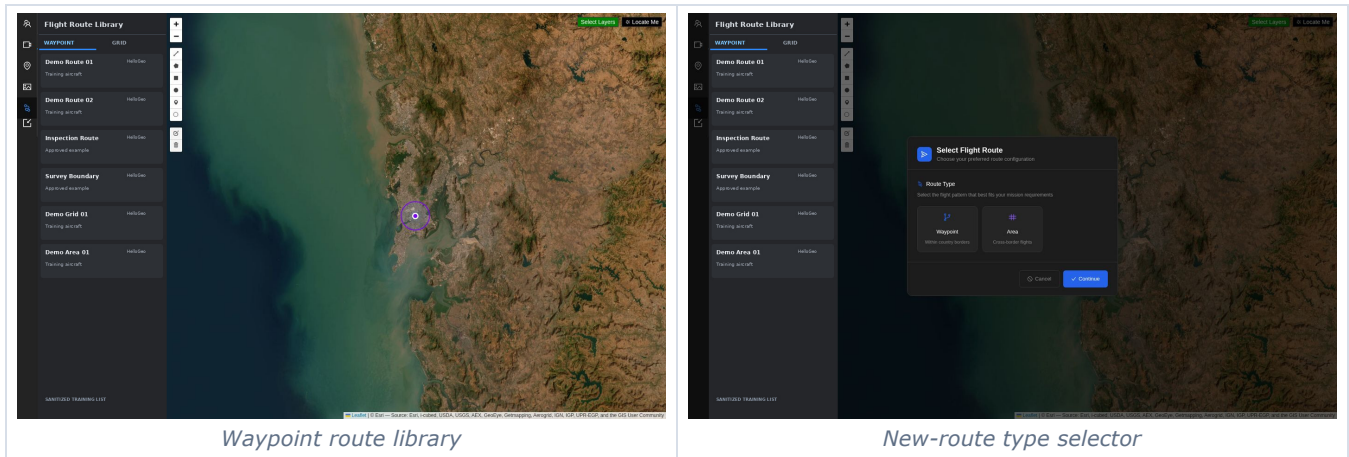
**STOP
CONDITION**

If the image is frozen, delayed, from the wrong payload or inconsistent with telemetry, pause non-essential actions and restore verified situational awareness.

PART I / COMMAND CENTRE / 05 / WAYPOINT

Start a waypoint mission

Use the Flight Route Library for point-to-point missions with ordered waypoints and actions.

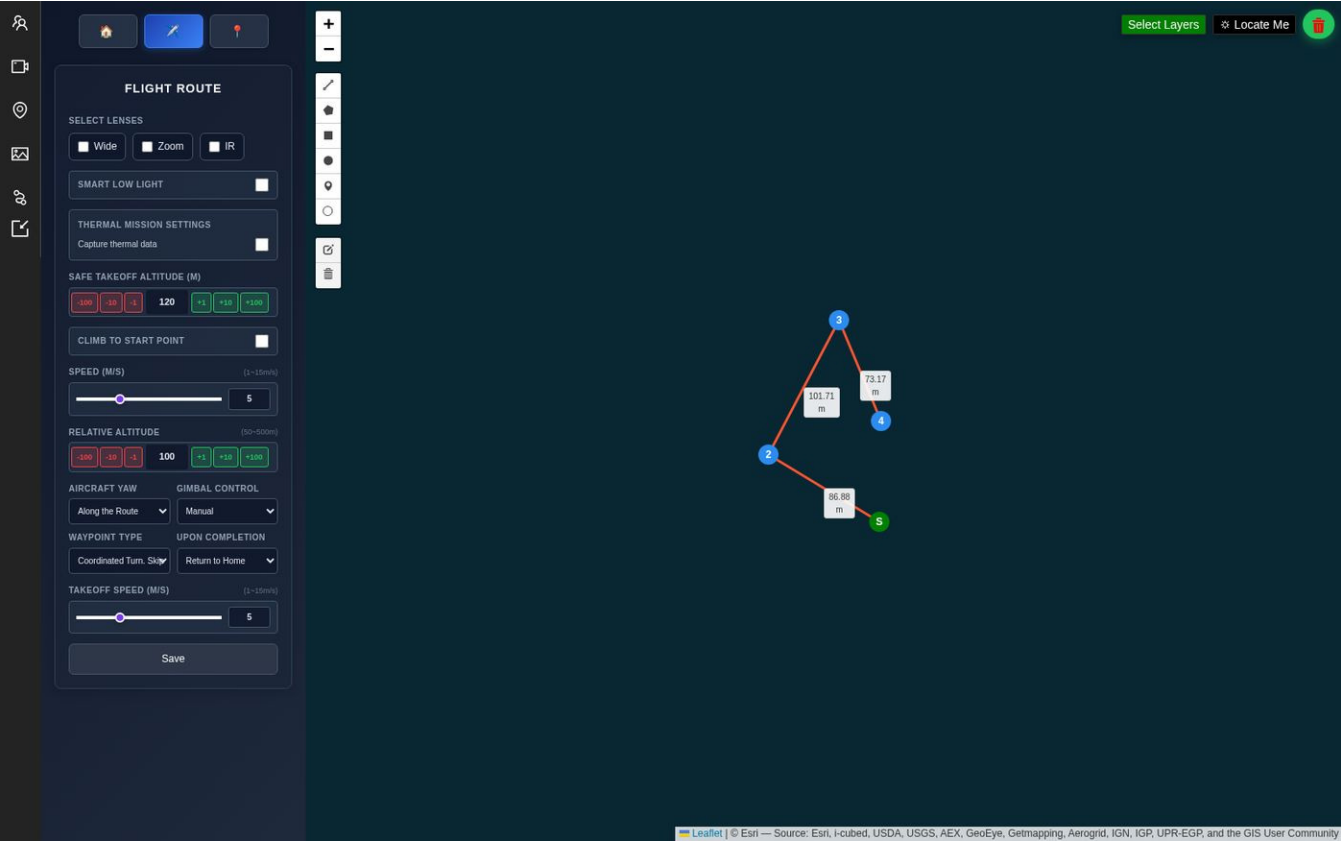


9. **Review** - Load an existing route and inspect author, aircraft model and last update, or start a new route.
10. **Create** - Select Waypoint in the route dialog and continue.
11. **Name and bind** - Enter the mission name, select the intended aircraft model and choose altitude mode.
12. **Place points** - Click the map in flight order; keep the route inside the authorized operating area.
13. **Save draft** - Retain a controlled draft before making route-wide and per-point changes.

PART I / COMMAND CENTRE / 06 / PARAMETERS

Configure mission-wide parameters

Set values that govern the complete route, then compare them with the aircraft, payload and site plan.



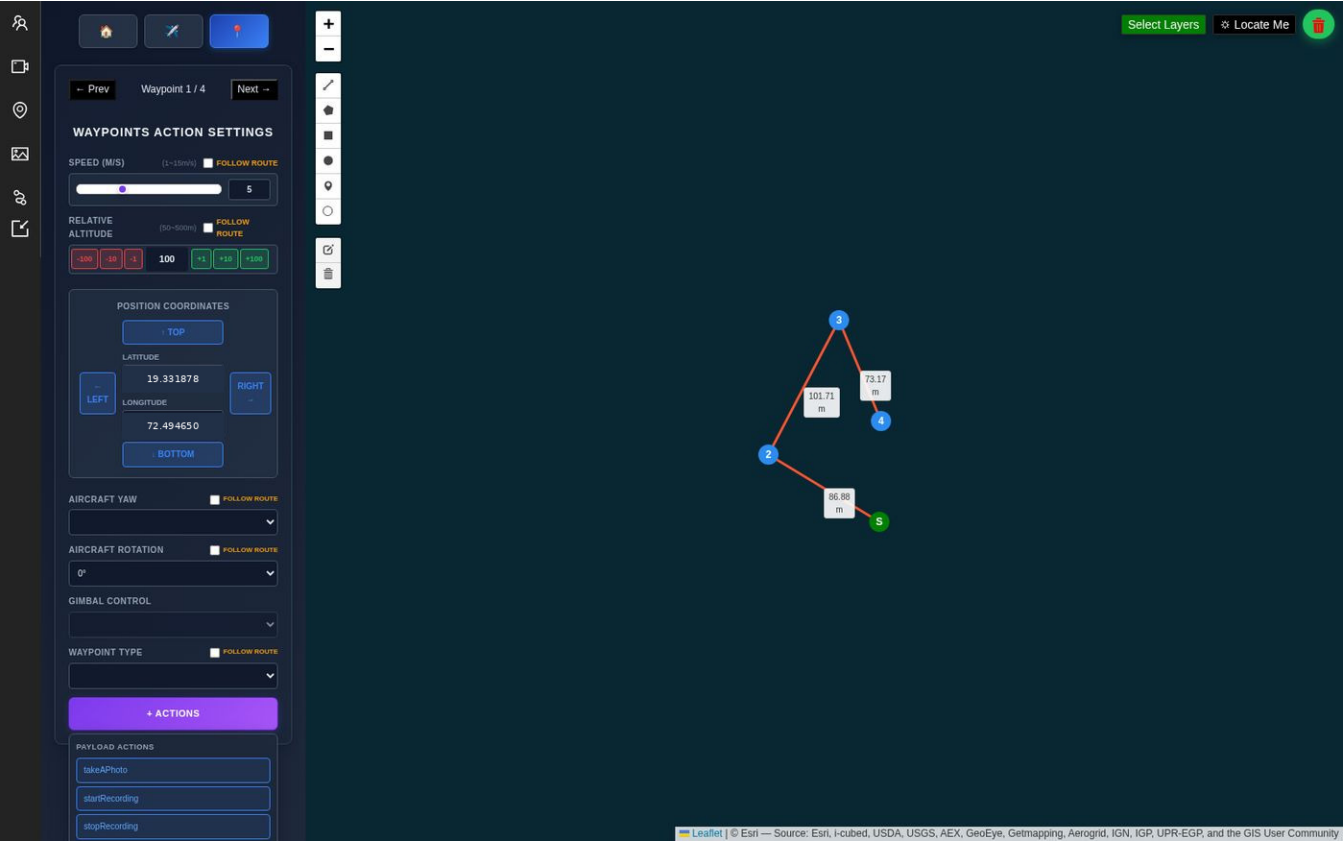
Route parameters for lenses, altitude, speed, yaw, gimbal and completion behavior.

PARAMETER GROUP	VERIFY BEFORE APPROVAL
Capture	Lens selection, Smart Low Light and thermal capture intent
Altitude	Reference mode, safe takeoff altitude and route altitude
Motion	Climb-to-start behavior, cruise speed and waypoint transition
Orientation	Aircraft yaw and gimbal control
Completion	End-of-route action and safe recovery route

UNITS	Confirm altitude reference and units at the route, aircraft and site-briefing levels. A correct number with the wrong reference can create an unsafe mission.
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Set per-waypoint actions

Select each waypoint to refine location, speed, altitude, orientation and payload behavior.



Per-waypoint settings and action attachment.

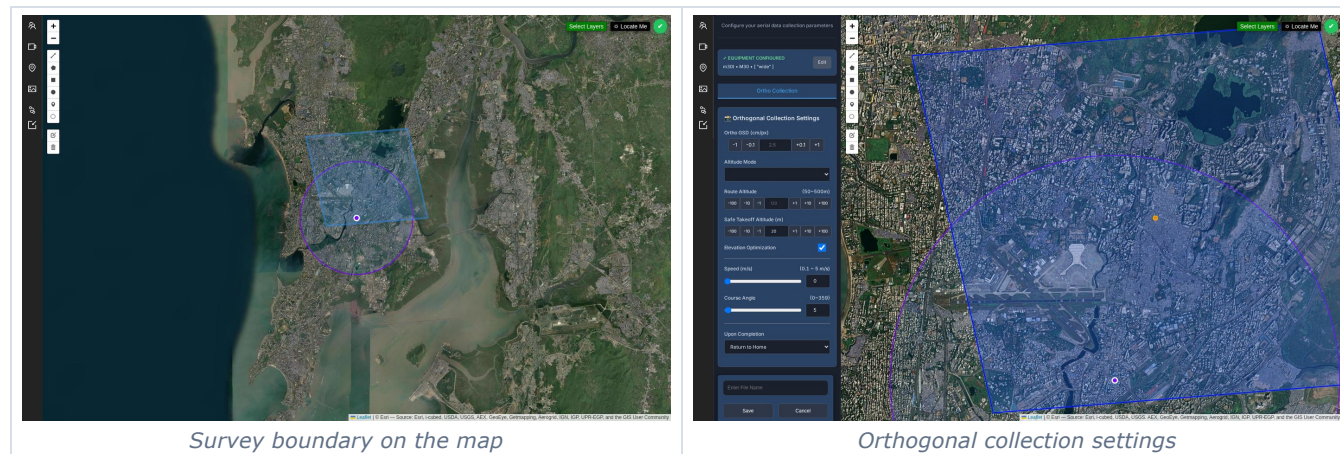
- 14. **Select** - Use Previous/Next or select the point on the map.
- 15. **Position** - Review coordinates and any left/right/top/bottom adjustment.
- 16. **Profile** - Confirm speed, relative altitude, aircraft yaw and rotation.
- 17. **Payload** - Set gimbal behavior and attach approved camera or aircraft actions.
- 18. **Sequence** - Read the full route from takeoff to completion; inspect every changed point.

POSITIVE VERIFICATION	After upload, compare the aircraft's accepted mission with the approved route when the workflow provides a download or synchronization check.
COORDINATE ORDER	Use WGS 84 axis order as latitude (north/south) followed by longitude (east/west), unless the approved mission source explicitly states another CRS. Validate both values against the authorized source before upload.

PART I / COMMAND CENTRE / 08 / GRID

Build an area or grid mission

Use Area planning for evenly spaced survey lines across a defined polygon.



19. **Draw** - Create the authorized survey polygon and close the boundary.
20. **Bind payload** - Choose aircraft, camera model and lens.
21. **Set quality** - Enter GSD and verify the derived or entered altitude.
22. **Tune route** - Set altitude mode, speed, course angle, overlap and camera trigger behavior.
23. **Review** - Inspect line spacing, turns, entry/exit, terrain, battery and recovery margin.
24. **Save** - Name the route and retain its reviewed revision.

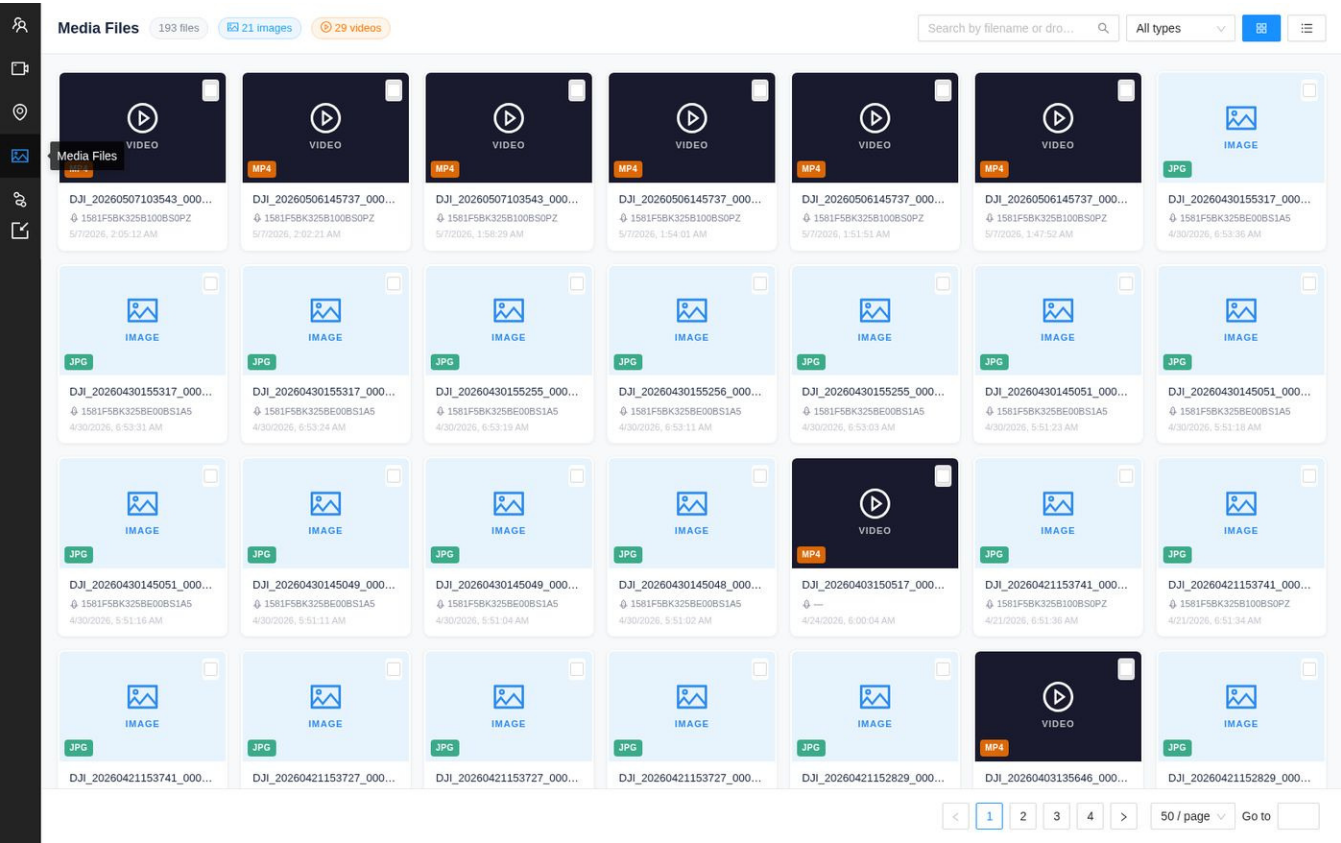
ADVANCED SETTINGS

Use front/side overlap and trigger controls only with a validated photogrammetry plan; more overlap increases image count, flight time and processing demand.

PART I / COMMAND CENTRE / 09 / EVIDENCE

Manage captured media

Search, filter, review and download media uploaded from docks and aircraft.



Captured media gallery with image/video counts and filters.

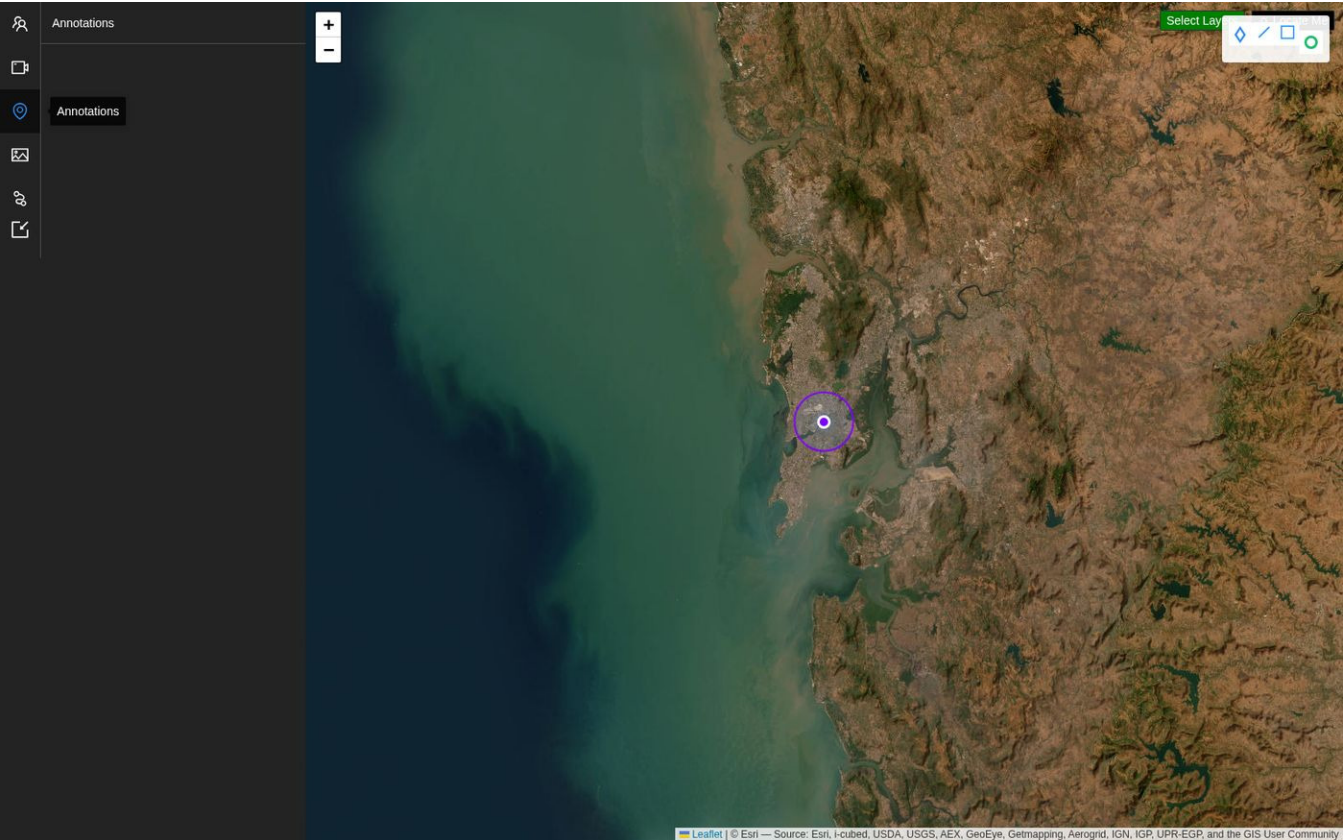
- 25. **Filter** - Search by filename or drone and narrow by media type.
- 26. **Review** - Open the item and confirm aircraft, mission, time and payload context.
- 27. **Select** - Choose only the files required for the approved task.
- 28. **Download** - Store originals in the controlled project location before processing copies.

EVIDENCE ELEMENT	RECORD
Identity	Mission, aircraft, dock and payload
Time	Capture time, time zone and synchronization status
Integrity	Original filename, size and checksum where required
Custody	Uploader, downloader, storage location and access

PART I / COMMAND CENTRE / 10 / ANNOTATIONS

Create shared map annotations

Use markers and shapes for operational context, not as a substitute for surveyed or regulatory data.



Shared annotation layer and map drawing tools.

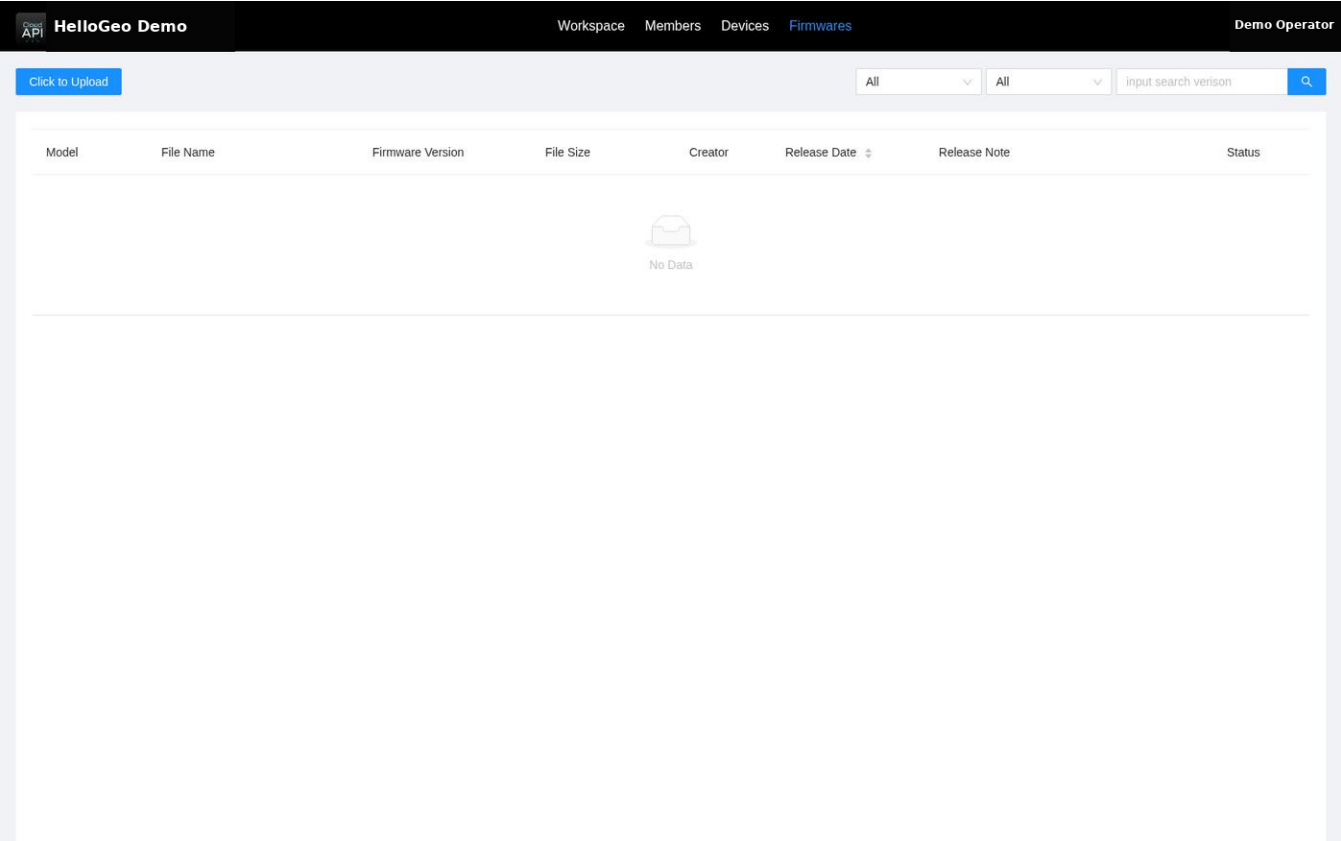
- 29. **Choose geometry** - Select marker, line, rectangle or circle.
- 30. **Place** - Draw the feature at the correct map scale.
- 31. **Describe** - Use a concise title, purpose, owner and validity period.
- 32. **Publish** - Confirm the feature appears for the intended workspace.
- 33. **Retire** - Remove or archive temporary hazards and stale annotations after review.

MAP ASSURANCE	Verify temporary activity, people, obstacles and restricted areas at the real site. Satellite imagery and shared annotations can be incomplete or out of date.
---------------	--

PART I / COMMAND CENTRE / 11 / ADMINISTRATION

Administer members, devices and firmware

Keep access, hardware inventory and release packages under change control.



Firmware administration with upload and model/version filters.

AREA	ADMINISTRATOR ACTION	EVIDENCE
Members	Add/remove accounts and verify user type and workspace	Approval and join/removal time
Devices	Review aircraft/dock model, firmware, status and last online	Asset register and serial reference
Firmware	Upload approved package and filter by target model/version	Hash, signer, release note and test result
MQTT	Protect field-app connection credentials	Credential owner and rotation record

RELEASE GATE	Do not push firmware solely because a file is available. Confirm model compatibility, signature/source, rollback path, battery/power stability and an approved maintenance window.
--------------	--

PART I / COMMAND CENTRE / 12 / CHECKLIST

Operate with disciplined checklists

Use a consistent go/no-go decision and preserve evidence after every mission.

PHASE	REQUIRED CHECKS	STOP IF
Before login	Approved URL, account, workspace, browser/device security	Tenant or identity is uncertain
Before plan	Site authority, airspace, weather, aircraft/payload and recovery area	Any approval or limit is unclear
Before upload	Coordinates, units, route, altitude, speed, actions, fence and return	Wrong vehicle or stale plan
Before takeoff	Live telemetry, home, battery, link, payload, people and briefing	Critical warning remains
In flight	Position, route, energy, link, payload and recovery margin	Actual state departs from approved limits
After landing	Disarm, inspect, logs/media, anomalies and controlled archive	Aircraft or data integrity is uncertain

TROUBLESHOOTING

Disconnected: check power, intended link, endpoint and network. No map: check connectivity, tile source, permission and region. Upload fails: verify vehicle, route validity, live state and stable link. Stale data: verify selected asset, message rate and time stamps.

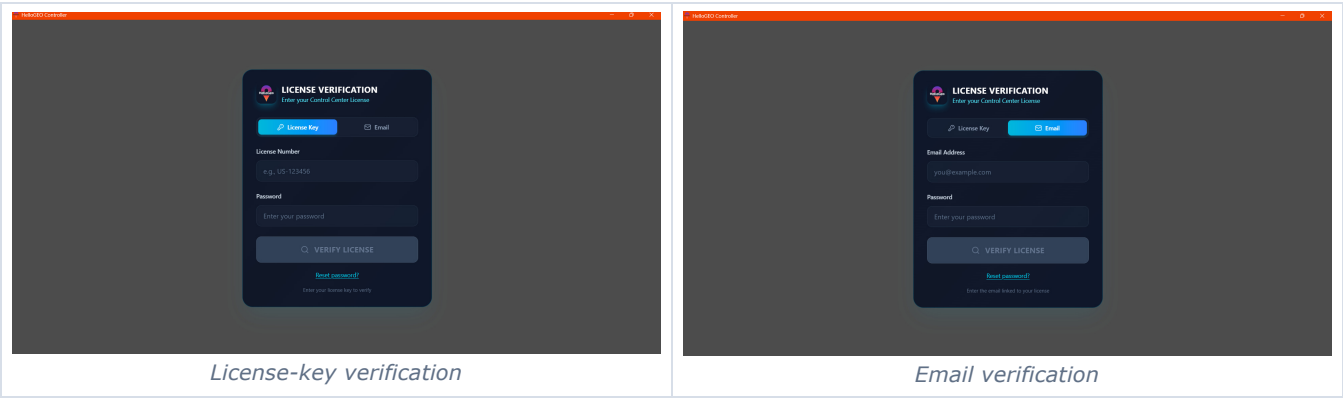
ESCALATE WITH EVIDENCE

Send the product version, browser/OS, workspace, aircraft/dock model, firmware, exact UTC/local time, uncropped screen, steps, observed result and relevant logs to support. Exclude passwords, keys and unrelated customer data.

PART II / CONTROL CENTRE / 01 / ACCESS

Sign in and establish identity

Use either the issued license key or the email linked to the license.



- 34. **Choose method** - Select License Key or Email according to the issued account.
- 35. **Authenticate** - Enter the assigned identifier and password; use Reset password when authorized.
- 36. **Confirm** - Verify user identity, license status and permitted site before opening operations.

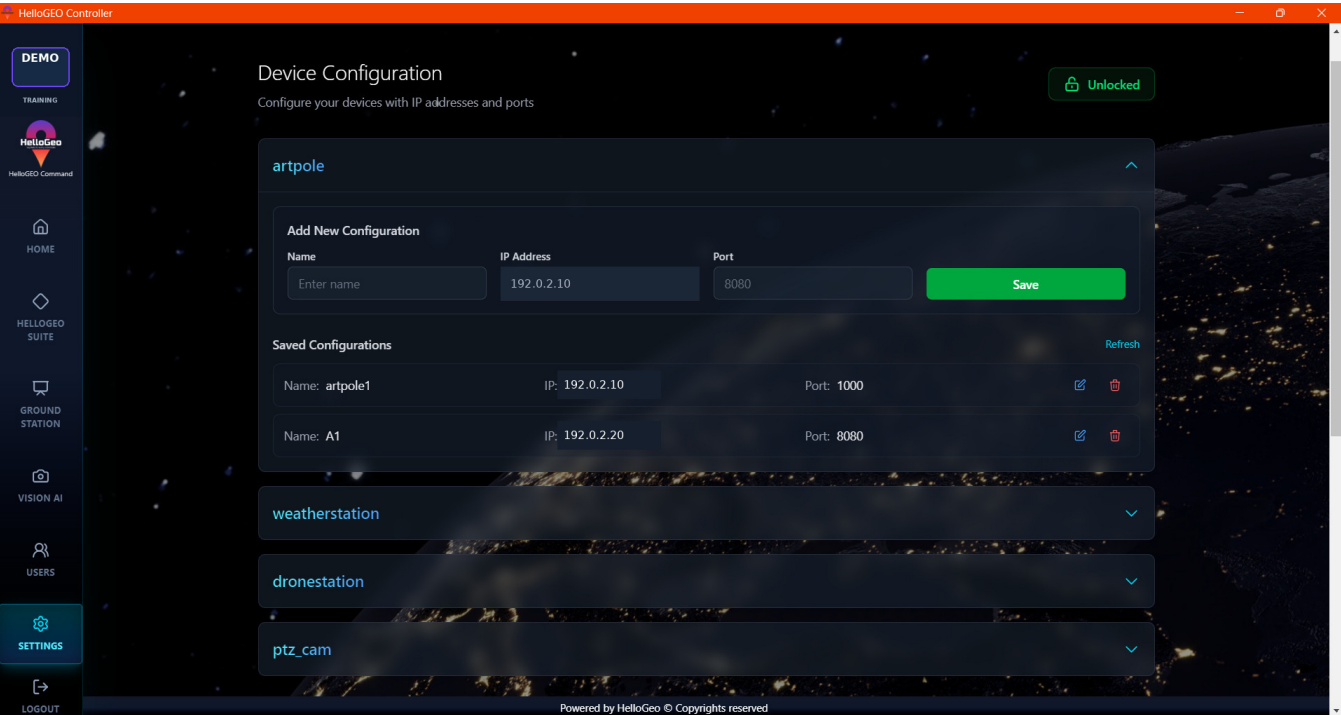
CREDENTIAL SAFETY

Do not publish demo credentials or capture production passwords in screenshots. Treat license keys as controlled account information.

PART II / CONTROL CENTRE / 02 / CONFIGURATION

Configure devices before operation

Register every hardware endpoint under Settings before expecting a live control.



Device Configuration with documentation-only TEST-NET endpoints and saved entries.

37. **Open** - Go to Settings and Device Configuration.

38. **Select type** - Expand Artpole, weatherstation, dronestation or ptz_cam.

39. **Enter** - Add a recognizable name, approved IP address and port.

40. **Save** - Confirm the new endpoint appears under Saved Configurations.

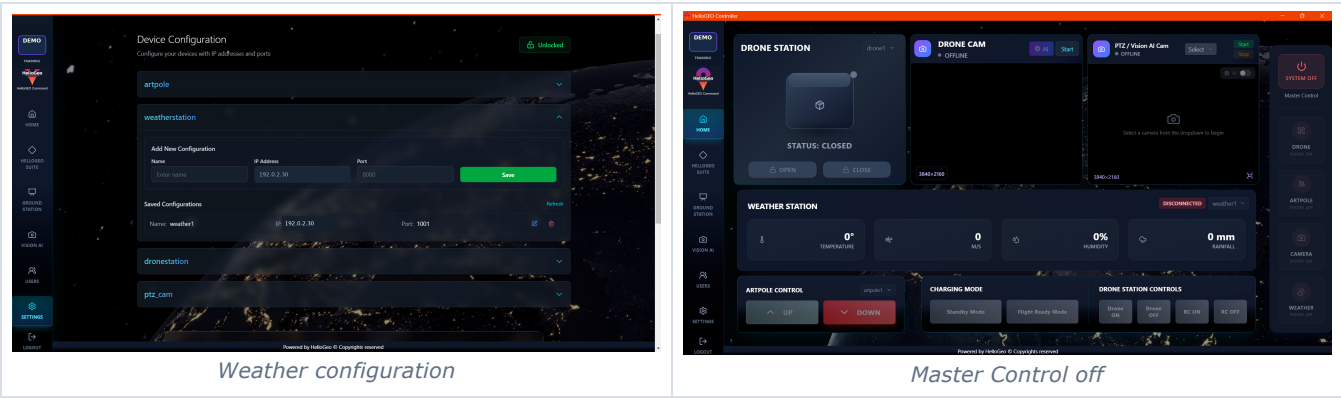
41. **Refresh** - Reload after a device-side change and verify status without sending commands.
- NETWORK CONTROL

Use approved addresses, segmented networks and controlled changes. A reachable endpoint is not proof that it is the intended device.

PART II / CONTROL CENTRE / 03 / READINESS

Set weather limits and use Master Control

Weather Configuration defines alert thresholds; Master Control is the operational enable boundary.



- 42. **Set thresholds** - Define approved limits for temperature, rainfall, humidity and wind.
- 43. **Review site** - Compare live readings with the flight plan and aircraft limits.
- 44. **Hold off** - Keep Master Control off while hardware identity, staffing or conditions are uncertain.
- 45. **Enable** - Turn Master Control on only after the operating team confirms readiness.

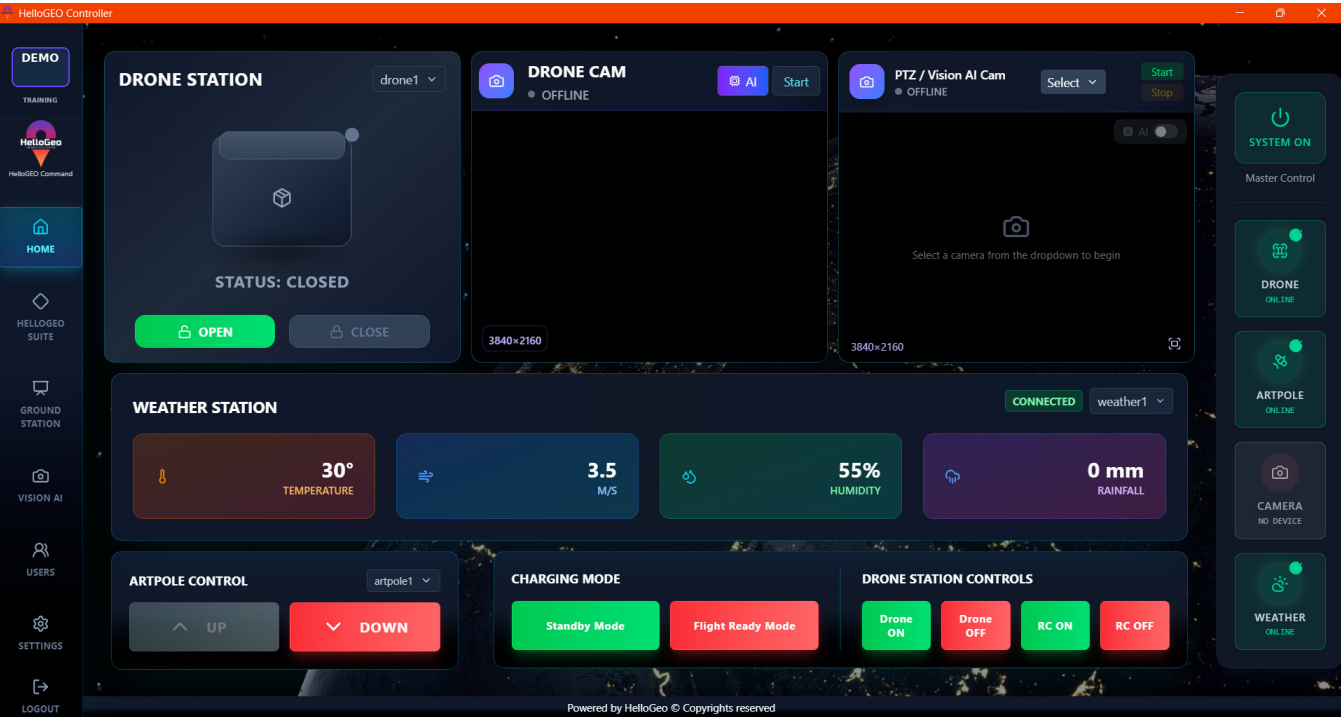
MAIN BREAKER

With Master Control off, panels show SYSTEM OFF and reject commands. This is an intentional safeguard, not a fault to bypass.

PART II / CONTROL CENTRE / 04 / OPERATIONS

Operate the Home hardware panels

When enabled, status chips and controls expose the configured Drone Station, cameras, Artpole and Weather Station.



Master Control on with live hardware panels and controls.

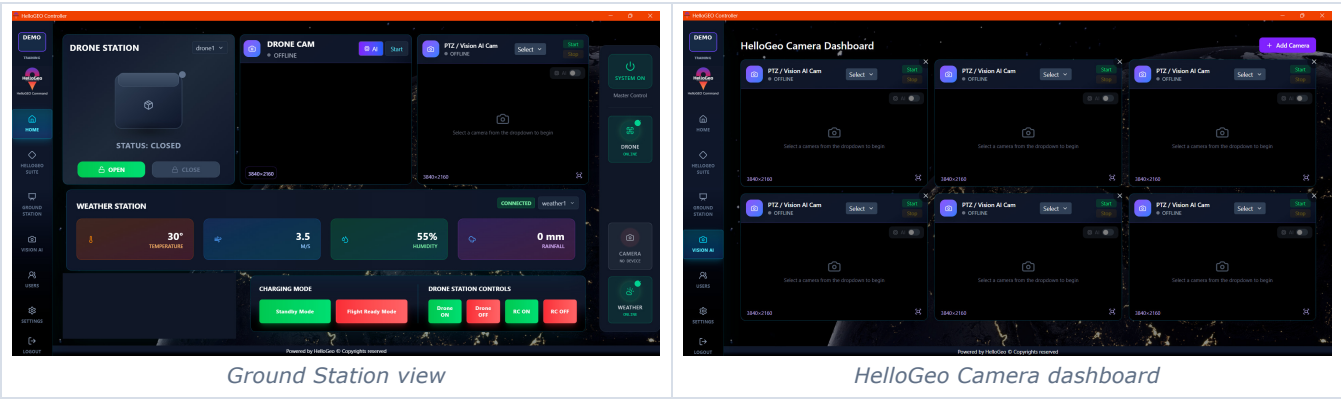
PANEL	AUTHORIZED FUNCTIONS	POSITIVE CONFIRMATION
Drone Station	Dock open/close, drone/RC power, standby/flight-ready charging	Physical state and returned status
Drone Cam	Start feed and open AI Vision	Correct camera and current scene
PTZ Camera	Select unit, start/stop feed and AI Vision	Unit identity, orientation and time
Artpole	Raise/lower/stop where configured	Clear movement area and position
Weather	Read live conditions and alert state	Sensor freshness and threshold source

COMMAND DISCIPLINE	Issue one controlled action, observe the result and confirm the resulting state before the next command.
--------------------	--

PART II / CONTROL CENTRE / 05 / MODULES

Use Ground Station and connected modules

Secondary tabs present role-specific views without changing the underlying need for verification.



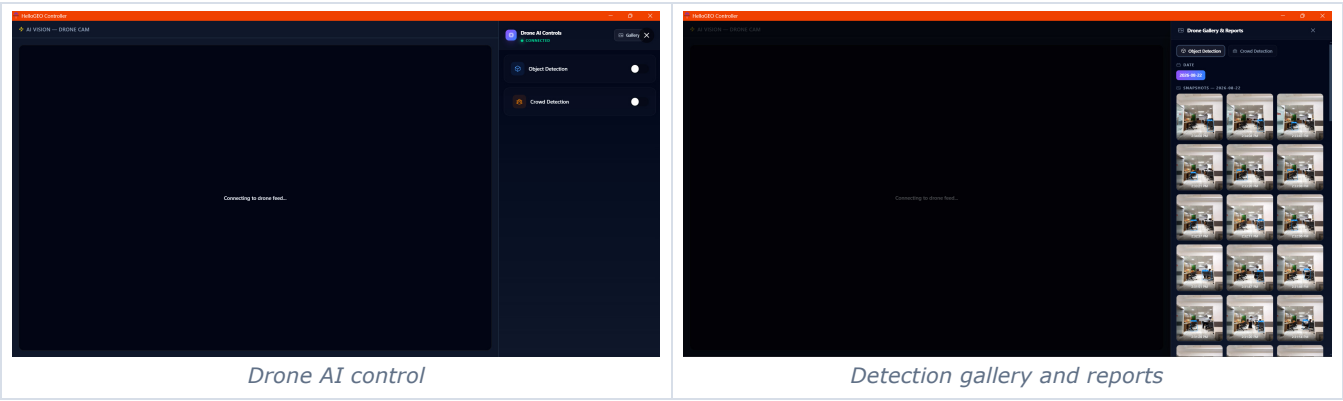
MODULE	USE
Ground Station	Lean launch-site view for drone station, drone camera, weather and assigned PTZ feeds
Vision AI	Camera dashboard for PTZ selection, live feed and AI functions
HelloGeo Suite	Open the project, mapping and processing platform
HelloGeo Remote	Open the remote-access companion when the account is entitled

ENTITLEMENT	A missing module may reflect account entitlement, device assignment or configuration. Do not alter permissions merely to remove an access error.
-------------	--

PART II / CONTROL CENTRE / 06 / INTELLIGENCE

Use AI Vision on the drone feed

Drone camera AI provides focused Object Detection and Crowd Detection workflows.

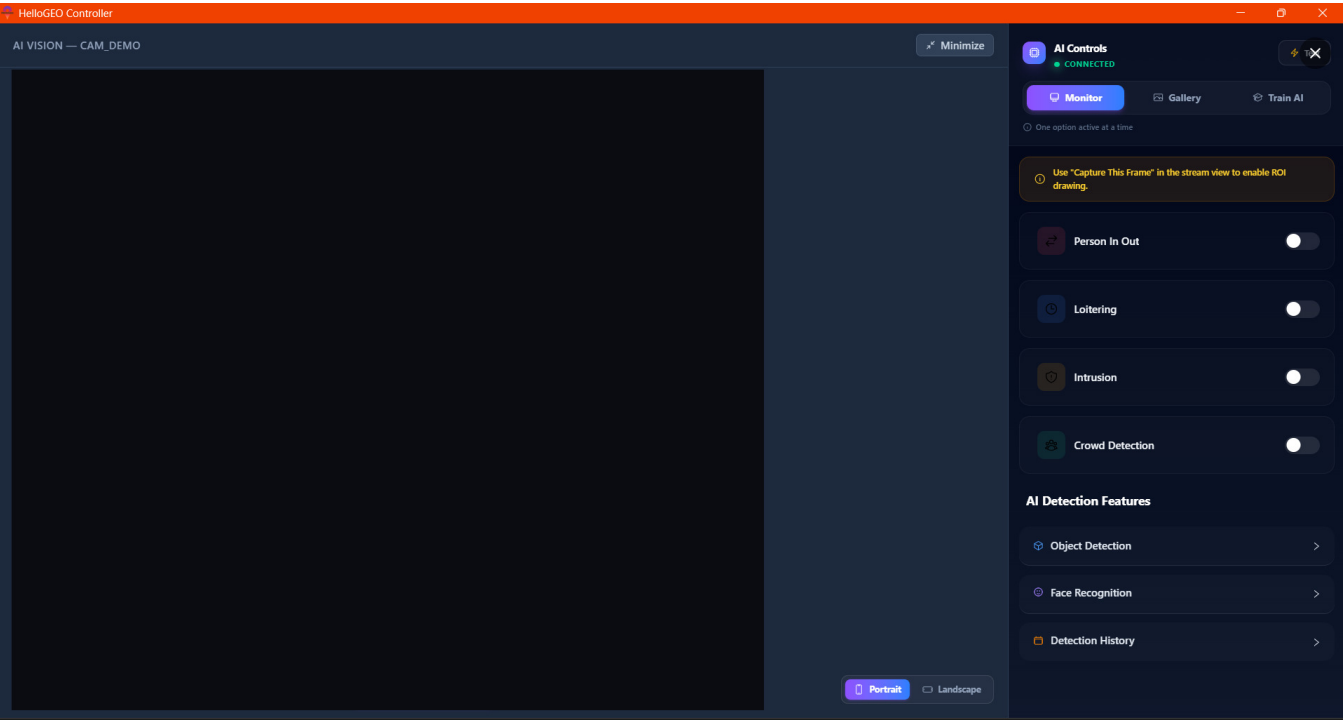


FEATURE	OPERATOR SETS	OPERATOR VERIFIES
Object Detection	Class/target and alert behavior	Box, label, count and scene context
Crowd Detection	Count threshold and optional zone	Headcount, zone, snapshot and alert time

HUMAN CONFIRMATION	AI output is decision support. Confirm detections against the live scene and operating context; record false positives, missed detections and threshold changes.
--------------------	--

Configure PTZ AI features

PTZ feeds add line, zone, dwell and fall-analysis tools to object and crowd detection.



PTZ AI Vision panel with selectable detection features.

FEATURE	CONFIGURATION	RESULT
Object	Class and detection/alert settings	Boxed objects, counts and snapshots
Crowd	Threshold and optional zone	Crowd alert and evidence
Person In/Out	Directional counting line	Separate entry/exit totals
Intrusion	Restricted polygon/zone	Immediate entry alert
Loitering	Zone plus dwell threshold	Dwell-time alert
Fall Detection	Detection enable and scene validation	Suspected fall event for human review
Face Recognition	Authorized watchlist, threshold, lawful basis and retention	Candidate match for trained human confirmation

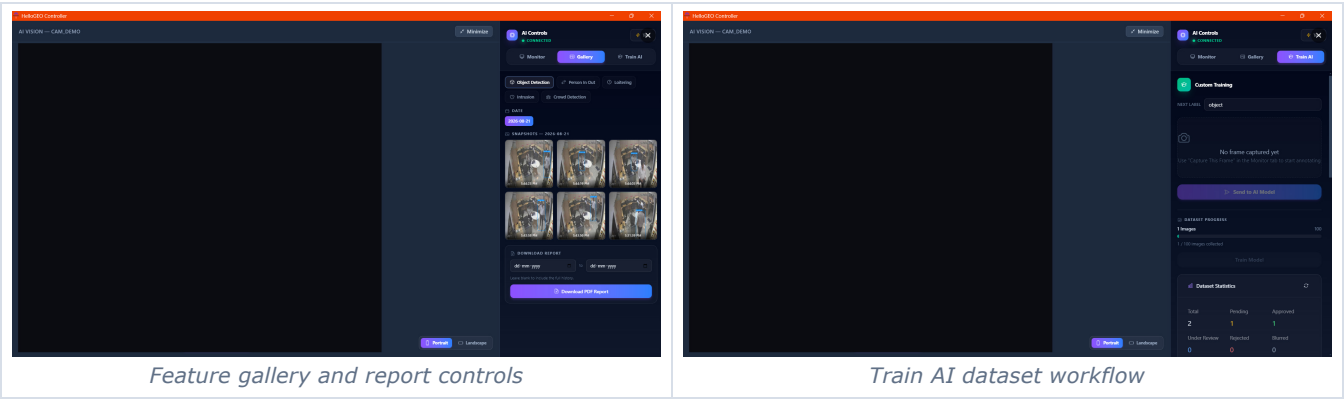
ZONE OWNERSHIP	Where functions share a single active zone per camera, document the selected feature, geometry, threshold, owner and validity period before changing it.
----------------	--

BIOMETRIC RESTRICTION	Use face recognition only under an approved jurisdictional policy with documented lawful basis, authorization, notice or consent where required, retention limits, access logging, false-match and bias testing, and trained human confirmation. Never treat a candidate match as automatic identity determination.
-----------------------	---

PART II / CONTROL CENTRE / 08 / EVIDENCE

Review galleries, reports and Train AI

Each AI feature retains evidence; Train AI creates a controlled path for organization-specific data.



- 46. **Capture** - Collect a representative frame without exposing unrelated personal or customer information.
- 47. **Label** - Mark the intended object consistently with the approved class definition.
- 48. **Track** - Monitor dataset progress, source, reviewer and quality checks.
- 49. **Train** - Start model training only after dataset and approval gates pass.
- 50. **Validate** - Test against separate scenes and record accuracy, false positives, misses and operating limits.

EVIDENCE FIRST	Preserve the original frame, label history, model/version, threshold and reviewer decision so an alert can be reconstructed.
----------------	--

PART II / CONTROL CENTRE / 09 / ADMINISTRATION

Manage users and permissions

Create named operator accounts, assign only required modules and retain an expiry lifecycle.

 Add New User

Full Name

John Doe

Email Address

john@example.com

Phone Number

+1 234 567 8900

License Key

DEMO-XXXX-XXXX

Password

License Expiry Date

dd-mm-yyyy

Add User

Add New User form shown with neutral training placeholders; production identities and license keys are excluded.

CONTROL	ADMINISTRATOR RESPONSIBILITY
Identity	Full name, unique email and verified phone/contact route
License	Controlled key, approved expiry and secure password onboarding
Modules	Least-privilege access to Home, Ground Station, Camera, AI Vision, Users and Settings
Lifecycle	Review active/expired status and remove access when role or contract ends
Audit	Retain approver, change time, scope and reason

PRIVACY-SAFE PUBLICATION	Screenshots used in this publication exclude the live user list because it contains personal contact and license information.
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PART II / CONTROL CENTRE / 10 / ASSIGNMENT

Assign devices and maintain license state

Module access and physical-device assignment are separate controls and both must be correct.

CONTROL LAYER	QUESTION TO ANSWER	EVIDENCE
Role/module	Which product areas may this person open?	Approved permission set
Device assignment	Which Artpole, weather station, drone station and PTZ camera may they operate?	Named asset list
License status	Is access active and within the approved expiry window?	License record and review date
Site scope	Which customer, project and location does the assignment cover?	Workspace/site authorization
Change control	Who approved the addition, change or removal?	Ticket, approver and timestamp

LEAST PRIVILEGE	A user who can see a module should still receive only the devices required for the assigned role. Review dormant and expired accounts on a defined schedule.
-----------------	--

EMERGENCY ACCESS	If break-glass access exists, define the trigger, expiry, approver, monitoring and post-event review before it is needed.
------------------	---

Run safely and troubleshoot with evidence

Separate hardware, network, permission and application faults before escalating.

SYMPTOM	FIRST CHECKS	CAPTURE
SYSTEM OFF	Master Control, operator readiness and configured endpoints	Full Home screen and time
No Device	Saved configuration, device power, IP/port and assignment	Device type, address owner and logs
Feed absent	Camera selection, stream state, network and entitlement	Camera ID, protocol and uncropped screen
Stale weather	Sensor power, last update and threshold source	Timestamps and sensor values
AI alert wrong	Feature, zone, class, threshold and scene conditions	Original frame, model/version and decision
Permission denied	Role, module, device assignment and license status	User ID, requested action and approval

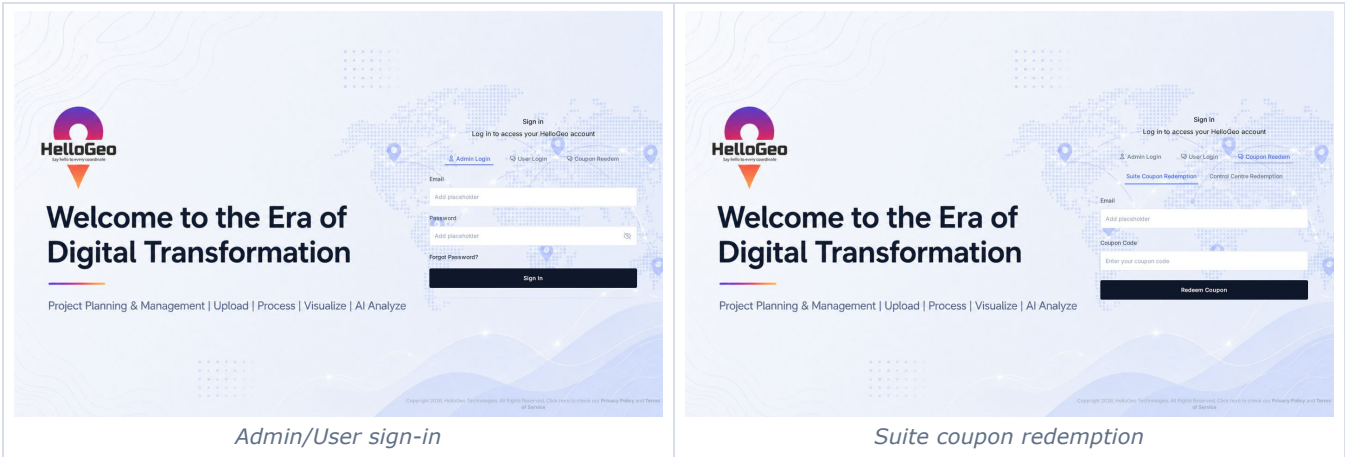
LIVE CONTROL	When system identity or state is uncertain, stop non-essential commands and follow the site-approved safe-state or recovery procedure.
--------------	--

SUPPORT PACKAGE	Send version, device/OS, site/workspace, endpoint/device type, timestamps, steps, result and relevant logs to support@hellogeo.world. Never include passwords, private keys or unrelated customer data.
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PART III / HELLOGEO SUITE / 01 / ACCESS

Activate and sign in

The sign-in card separates Admin Login, User Login and Coupon Redeem.



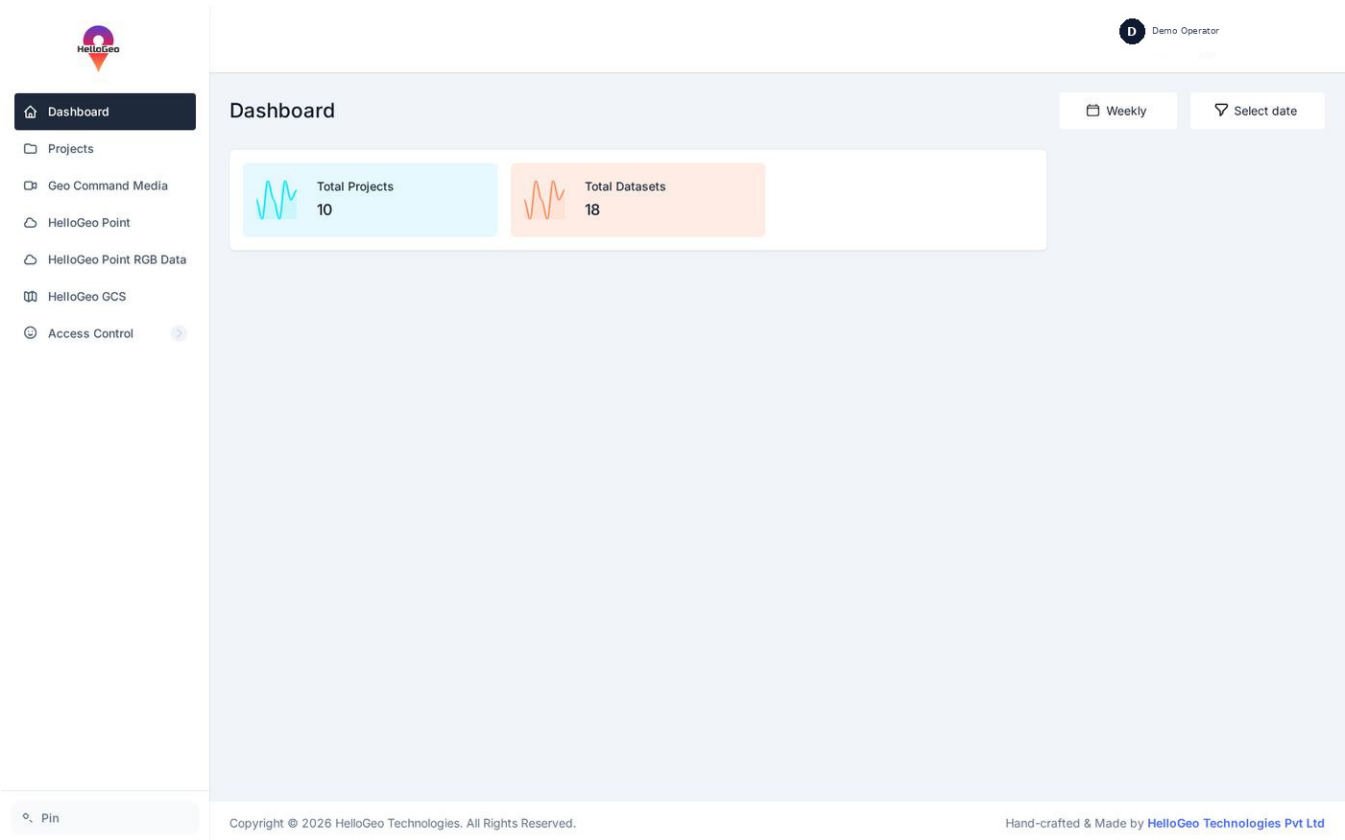
- 51. **Activate** - Use Suite Coupon Redemption for a Suite account; use Control Centre Redemption only for an issued Control Centre license.
- 52. **Identify** - Choose Admin Login for account owners or User Login for provisioned sub-users.
- 53. **Authenticate** - Enter assigned credentials and confirm the account/organization.
- 54. **Recover** - Use the approved password-reset route instead of sharing or reusing credentials.

COUPON BOUNDARY	The recharge coupon under Accounts applies to storage purchase; it is different from first-time account or license activation.
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PART III / HELLOGEO SUITE / 02 / NAVIGATION

Use the dashboard and navigation

The dashboard presents top-level project and dataset counts; the sidebar routes to all operating areas.



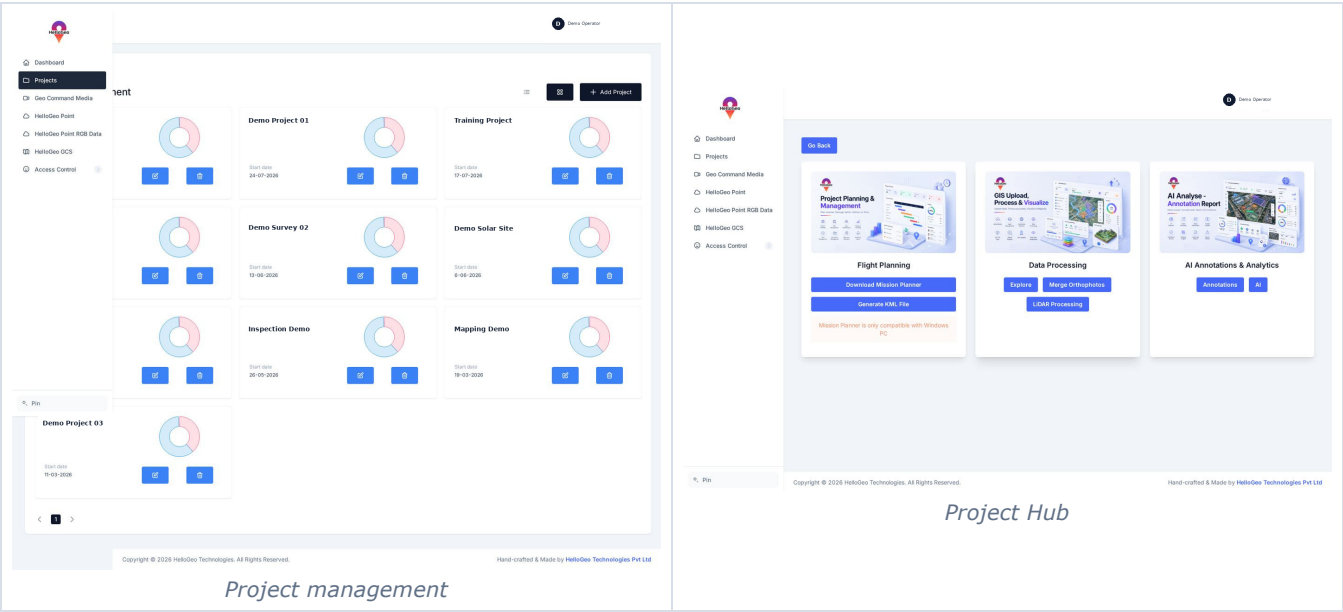
HelloGeo Suite dashboard with navigation sidebar.

SIDEBAR GROUP	PURPOSE
Projects	Project containers, datasets, plans and analysis
Geo Command Media	Cross-fleet drone media gallery
HelloGeo Point	Ground control point workflow
Point RGB Data	Field-captured photos, video and GCP records
HelloGeo GCS	Mission plan files and browser mission editor
Access Control	Sub-users, roles and project assignment
Accounts/Profile	Storage, plan, contact details and notifications

PART III / HELLOGEO SUITE / 03 / ORGANIZATION

Create projects and use the Project Hub

A Project is the top-level container for one survey, site or customer job.



- 55. **Create** - Enter a clear project name and description tied to the approved job.
- 56. **Open** - Use the Project Hub to enter Flight Planning, Data Processing or AI Annotations & Analytics.
- 57. **Govern** - Keep customer, site, coordinate reference, retention and access decisions at project level.

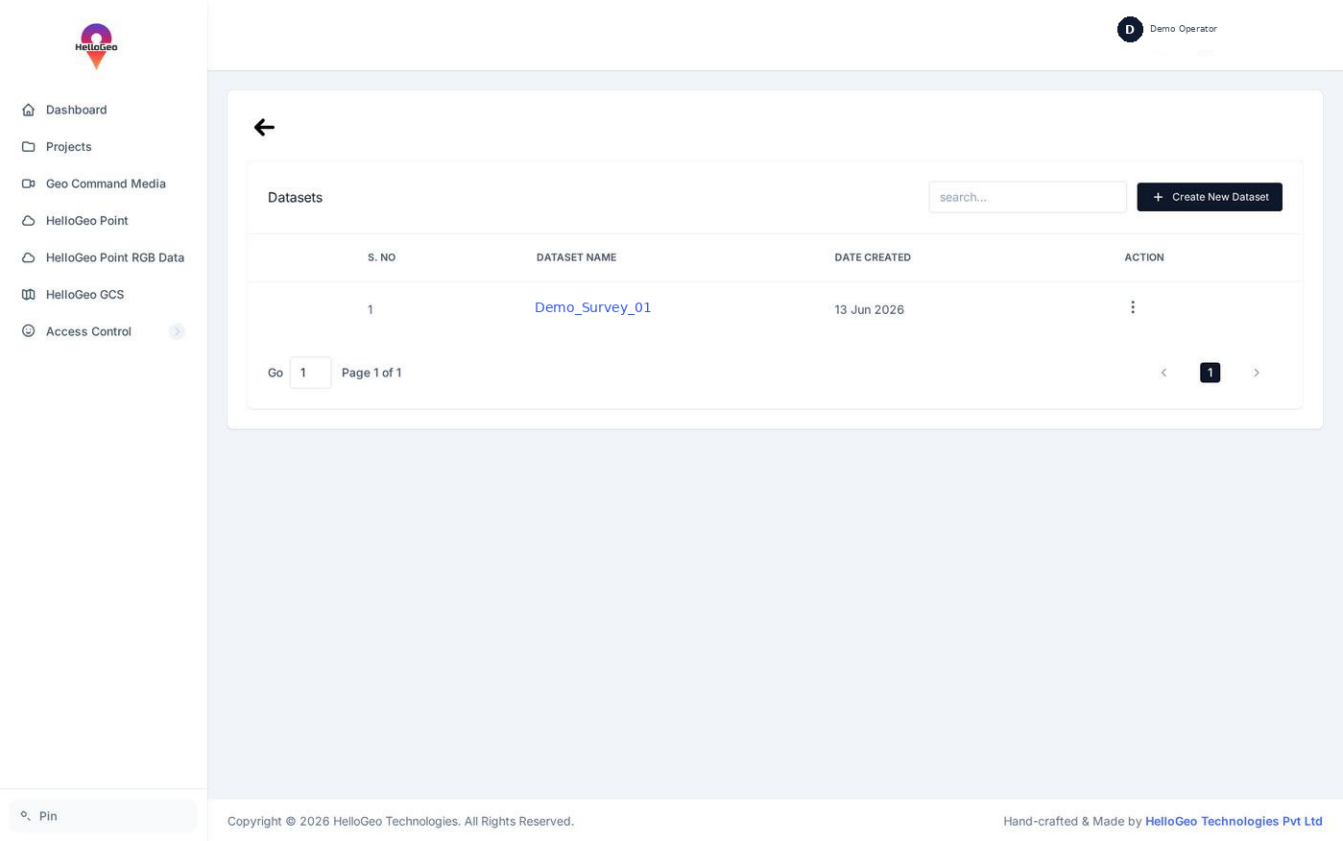
NAMING

Use a stable convention such as customer-site-date-purpose; avoid personal data and ambiguous labels such as Test or New Project.

PART III / HELLOGEO SUITE / 04 / DATASETS

Create datasets and upload imagery

A Dataset groups one controlled batch of survey media inside a project.



Dataset management shown with a neutral training dataset.

- 58. **Create dataset** - Use a flight/date/sensor name and a concise comment.
- 59. **Prepare media** - Preserve originals; validate capture continuity, metadata, time and camera consistency.
- 60. **Upload** - Choose or drag approved files and monitor completion.
- 61. **Inspect** - Review thumbnails, count, rejected files and obvious corruption before processing.
- 62. **Register** - Record source aircraft, payload, mission, operator and coordinate/time context.

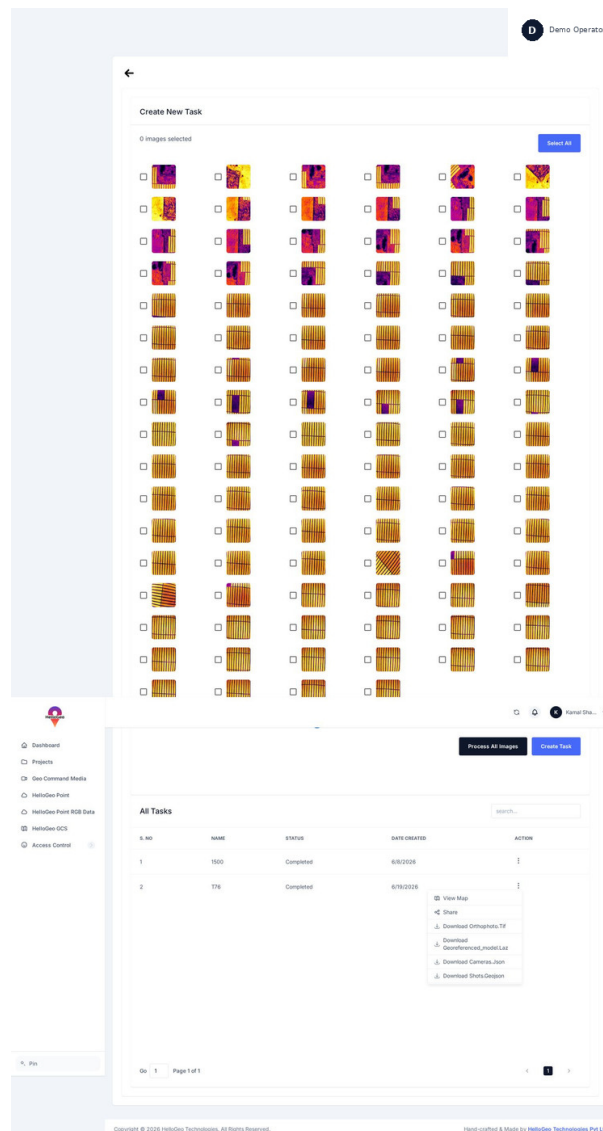
ORIGINALS

Process copies or controlled working data. Do not overwrite or rename original evidence without an approved preservation workflow.

PART III / HELLOGEO SUITE / 05 / PROCESSING

Create and control processing tasks

Select the required images, create a task and monitor it through completion.



Create New Task image selection and task list.

63. **Select** - Choose individual images or Select All after checking the dataset boundary.
64. **Create** - Start a task with the approved processing profile.
65. **Monitor** - Track queued, running, completed or failed state.
66. **Diagnose** - If a task fails, retain the error, input count, settings and logs before retrying.
67. **Approve** - Treat completion as technical output availability, not automatic quality acceptance.

PART III / HELLOGEO SUITE / 06 / OUTPUTS

Review results and the map viewer

Completed tasks expose the map, share controls and downloadable geospatial products.

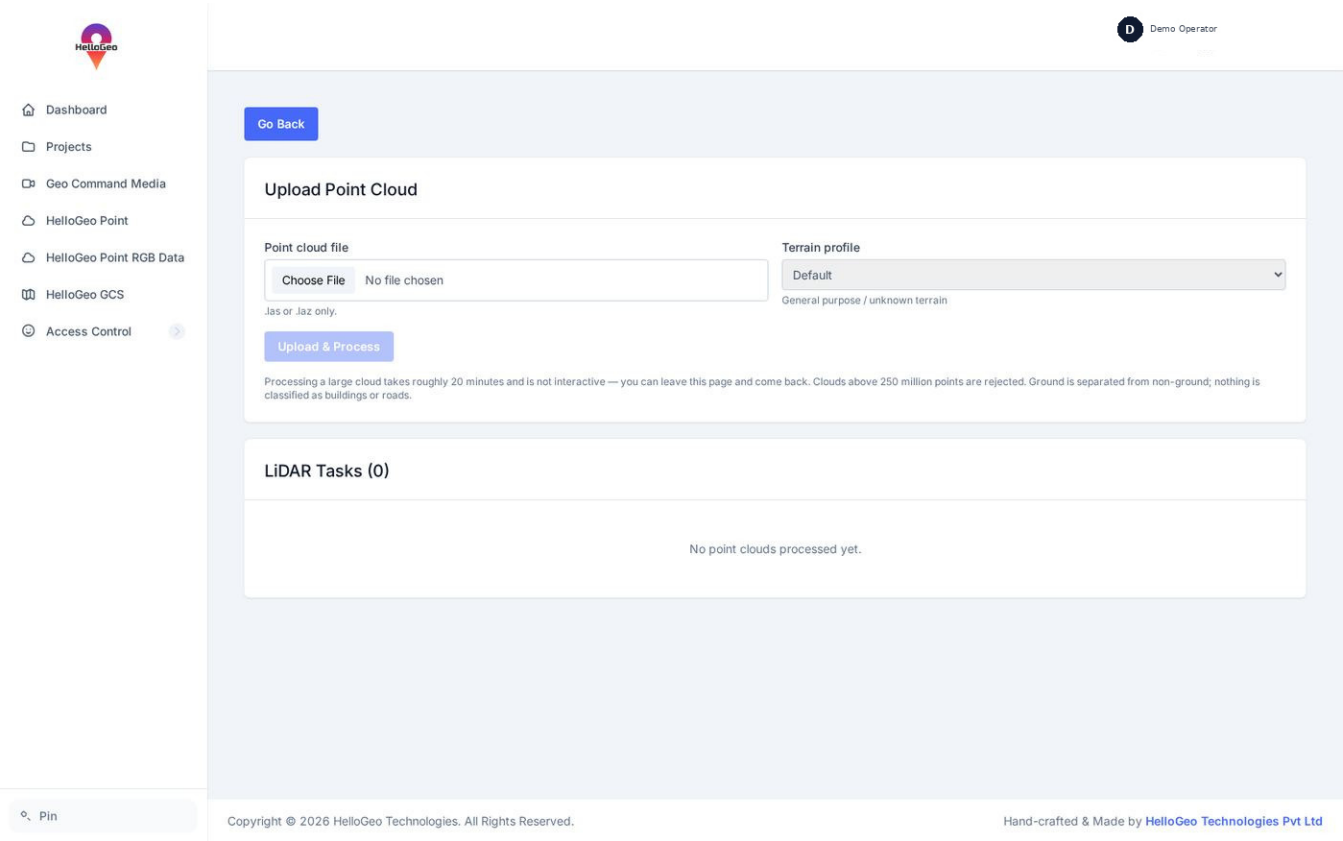
Completed-task action menu

Map Viewer and analysis layer with a neutral demo-site label

OUTPUT/ACTION	QUALITY CHECK
Orthophoto GeoTIFF	Coverage, seamline, blur, radiometry, CRS and ground accuracy
Point cloud LAZ	Density, noise, alignment, classification and units
Cameras/shot locations	Expected count, orientation and spatial consistency
Share	Recipient, scope, expiry, customer rights and sensitive areas
Map Viewer	Basemap, layer, min/max display, opacity and 2D/3D context

Process LiDAR point clouds

Upload LAS/LAZ data, select an appropriate terrain profile and validate classification outcomes.



LiDAR Point Cloud Processing form.

- 68. **Choose** - Select a controlled .las or .laz file and record sensor/source metadata.
- 69. **Profile** - Use Default, flat/open, forest/dense vegetation, steep/mountainous or urban settings as appropriate.
- 70. **Process** - Monitor the job and preserve configuration with the output.
- 71. **Validate** - Check coordinate reference, units, density, strip alignment, noise, ground classification and completeness.

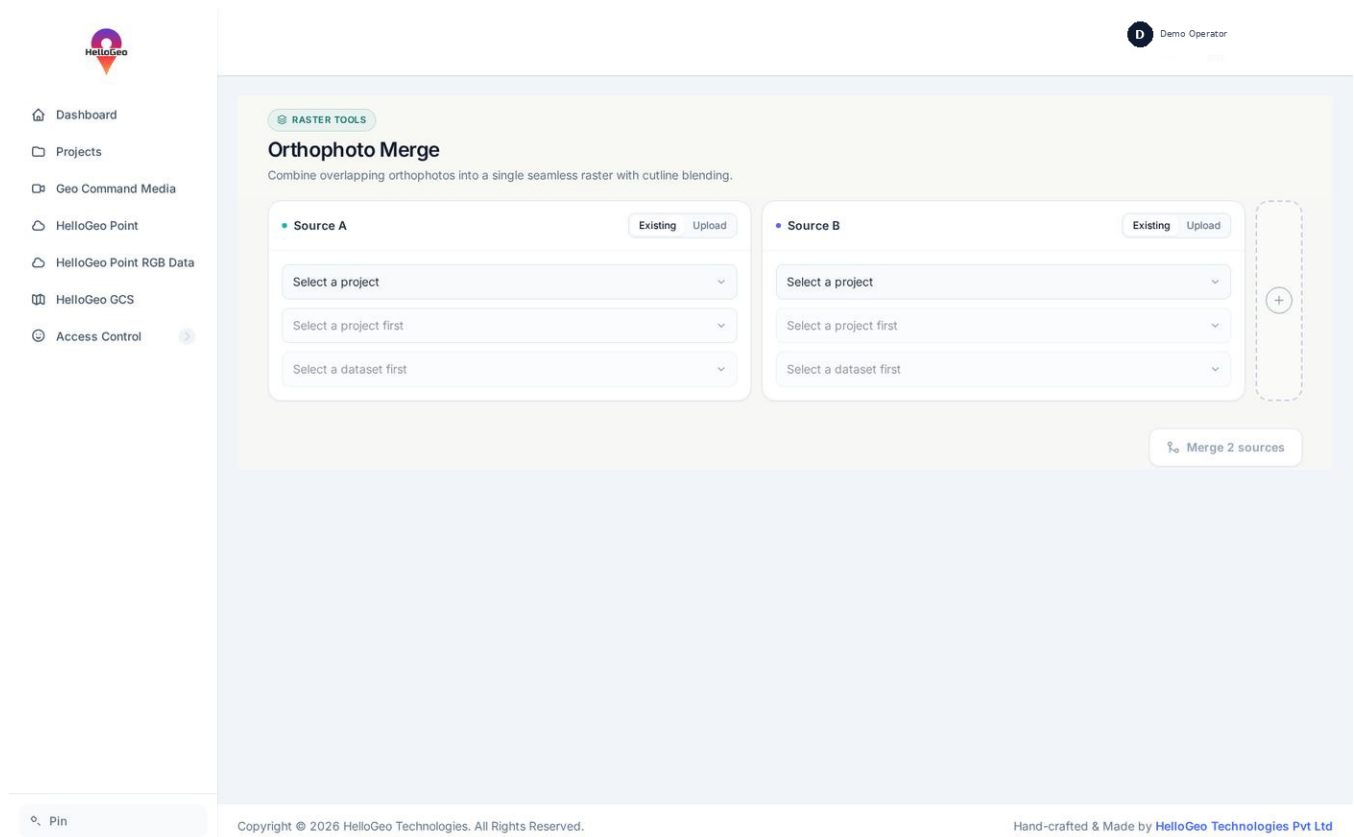
CLASSIFICATION

A terrain profile improves processing intent but does not guarantee survey accuracy or correct ground/non-ground classes. Validate against independent control and field context.

PART III / HELLOGEO SUITE / 08 / RASTER

Merge orthophotos

Combine overlapping orthomosaics with controlled source, CRS and cutline decisions.



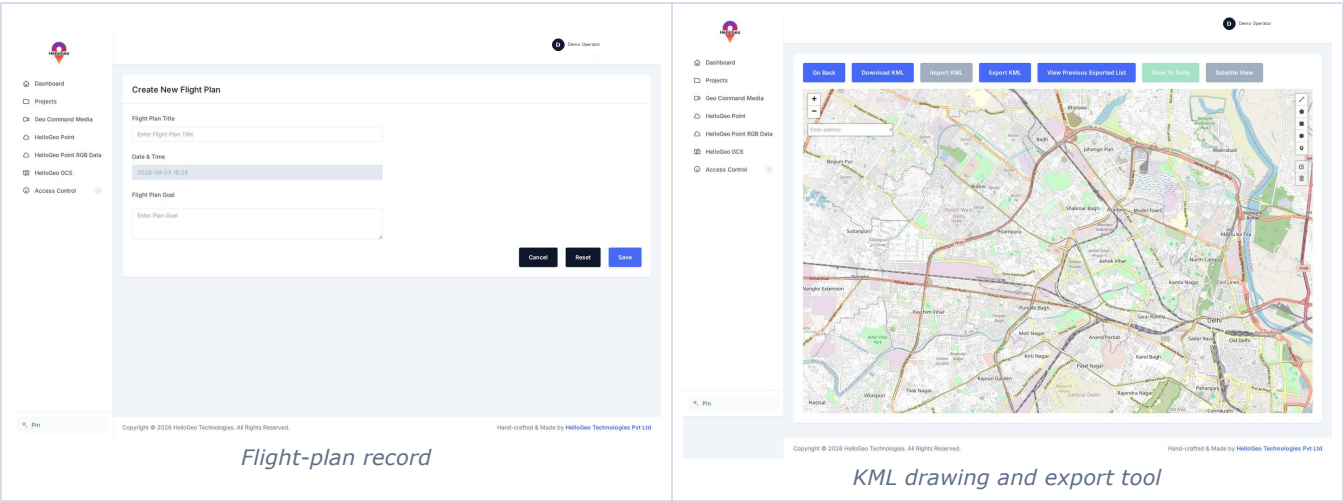
Orthophoto Merge source selection.

72. **Select Source A** - Choose an existing processed dataset or upload a raster.
73. **Add Source B** - Choose the overlapping source and add more only when required.
74. **Compare** - Confirm CRS, pixel size, date, radiometry and overlap.
75. **Blend** - Choose cutline/blending settings that preserve valid pixels and avoid visible seams.
76. **Inspect** - Review boundaries, alignment, nodata, color balance and metadata before export.

PART III / HELLOGEO SUITE / 09 / FLIGHT PLANNING

Plan flights and export KML

Store lightweight flight-plan records and create KML geometry for approved planning workflows.



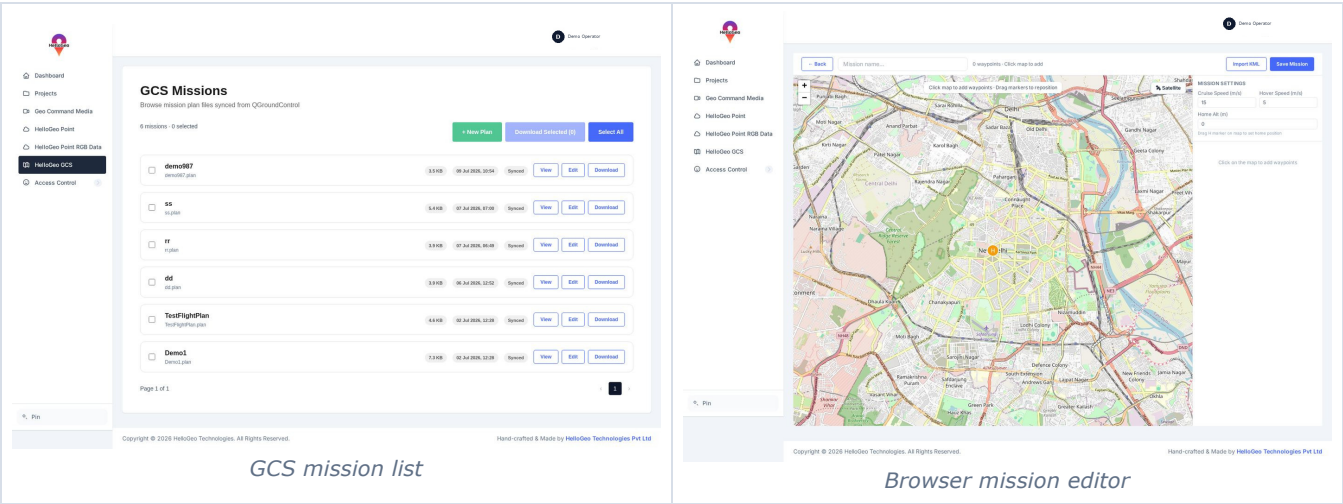
- 77. **Record** - Create a title, date/time and operational goal.
- 78. **Draw** - Use the map to define the survey boundary or flight area.
- 79. **Verify** - Confirm coordinates, geometry, customer boundary and current site constraints.
- 80. **Export** - Download KML and place it under project revision control.

PLANNING STATUS	KML geometry is planning context. It is not an aircraft-ready mission until it passes the GCS, site, airspace and aircraft validation workflow.
-----------------	---

PART III / HELLOGEO SUITE / 10 / GCS

Manage HelloGeo GCS missions

Review synchronized .plan files or build a controlled mission in the browser editor.



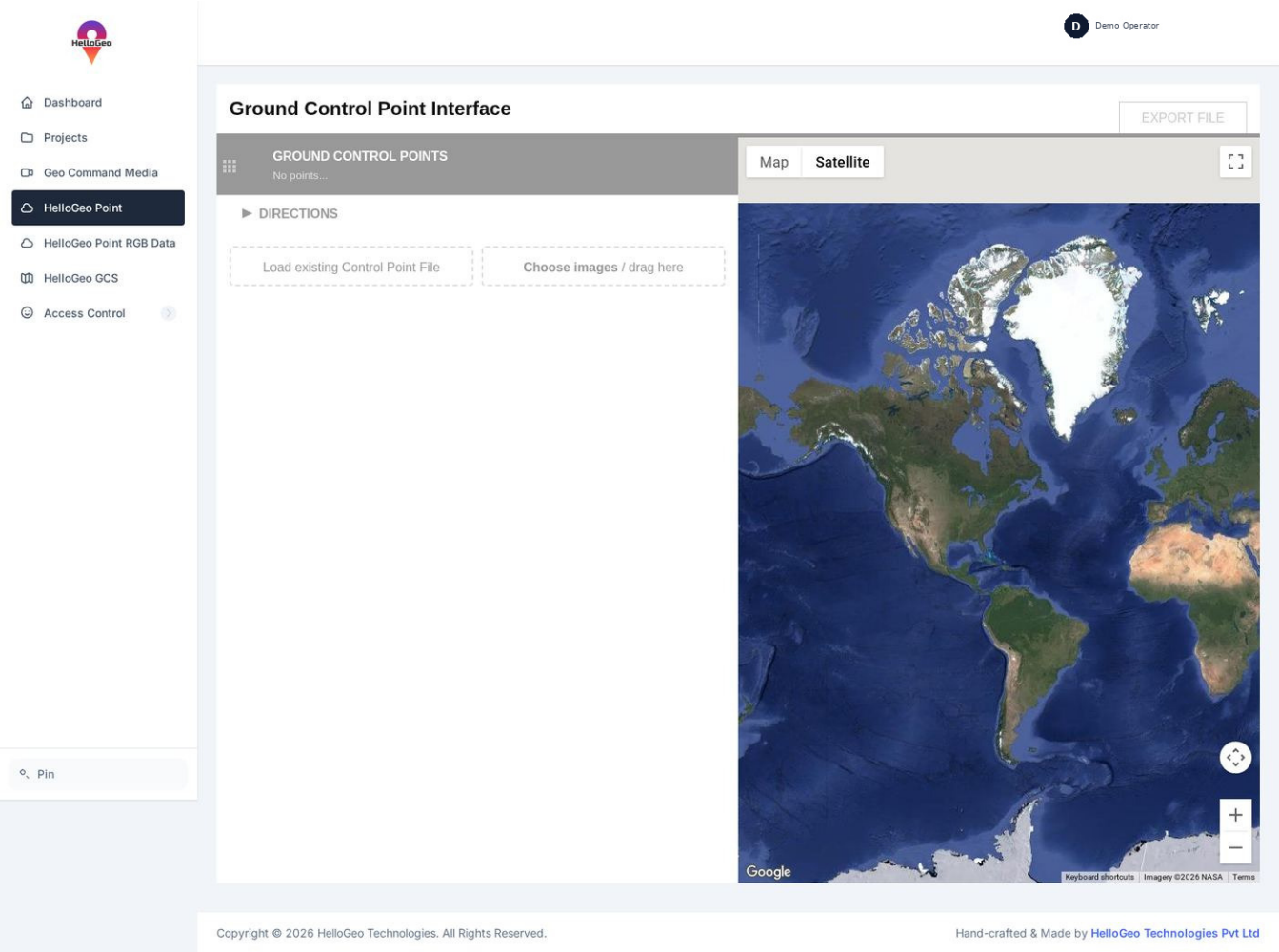
- 81. **List** - Review file name, size and last synchronization time.
- 82. **Open** - View or edit the intended mission; avoid changing a deployed plan without control.
- 83. **Create** - Use New Plan to add waypoints and mission-wide speed/altitude.
- 84. **Download** - Export a controlled revision and verify it in the target GCS.

ROUND TRIP

When synchronization is used, compare the final server record, field GCS and aircraft-accepted mission. Resolve version ambiguity before flight.

Use Ground Control Points

Import or mark known coordinates to strengthen geospatial accuracy.



HelloGeo Point ground-control interface.

- 85. **Load** - Import the approved control point file or create points against images.
- 86. **Locate** - Match the field point on map/satellite and the exact image feature.
- 87. **Enter** - Confirm coordinate reference, axis order, units and elevation reference.
- 88. **Review** - Check image marks, residuals and rejected points; retain independent checkpoints.
- 89. **Export** - Preserve source observations, transformed coordinates and processing result.

SURVEY AUTHORITY	Use qualified survey control and documented transformations. A visually plausible point can still carry the wrong datum, axis order or elevation reference.
-----------------------------	---

PART III / HELLOGEO SUITE / 12 / CAPTURE

Bring field and drone media into the project

Capture Data and Geo Command Media connect field collection with processing.

Dashboard

Projects

Geo Command Media

HelioGeo Point

HelioGeo Point RGB Data

HelioGeo OCS

Access Control

Pin

1 Demo Operator

Capture Data

Browser media and GCP data synced from the HelioGeo Capture application

Images Videos GCP

SANITIZED TRAINING MEDIA

Download Selected (0) Select All

HS_178570442273.jpg

2.1 KB 22 Aug 2026, 09:41 Synced

Download

HS_178570442273.jpg

2.1 KB 22 Aug 2026, 09:41 Synced

Download

HS_178542027050.jpg

2.1 KB 22 Aug 2026, 13:14 Synced

Download

HS_178529444802.jpg

2.1 KB 22 Aug 2026, 13:14 Synced

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HS_178462207334.jpg

3.3 KB 22 Jul 2026, 05:16 Synced

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Download

Page 1 of 2

1 2

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1 Demo Operator

Drone Media Gallery

Browser and filter your drone captured media files

Images

Drone Payload From To

All Drones All Payloads mm/dd/yyyy mm/dd/yyyy

0 Images selected

Download Selected (0) Select All Create Task

No media found

Pin

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Geo Command Media filters and task creation

Sanitized field-media gallery; thumbnail content is intentionally obscured

SOURCE	USE	CONTROL
Capture Data	Mobile/field photos, video and GCP records	Device, operator, time, location and consent
Geo Command Media	Cross-drone payload/date gallery	Aircraft, payload, mission and download selection
Create Task	Send selected media to processing	Project/dataset boundary and original preservation

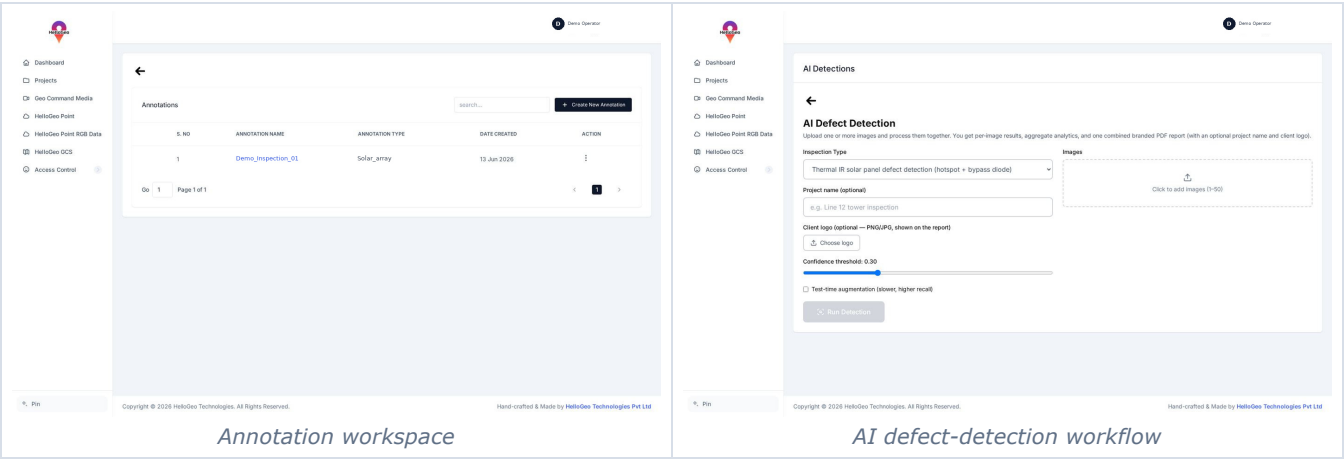
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CONTROLLED MASTER · CONTENTS

PAGE 39

Annotate data and run AI detection

Create traceable annotations, choose the inspection type and review model output.



- 90. **Define** - Choose the annotation or inspection type and acceptance criteria.
- 91. **Upload** - Use approved images with project, sensor and time context.
- 92. **Label** - Apply consistent classes and reviewer guidance.
- 93. **Run** - Record model/version and settings with the detection job.
- 94. **Review** - Confirm each accepted defect and retain rejected/uncertain examples for QA.

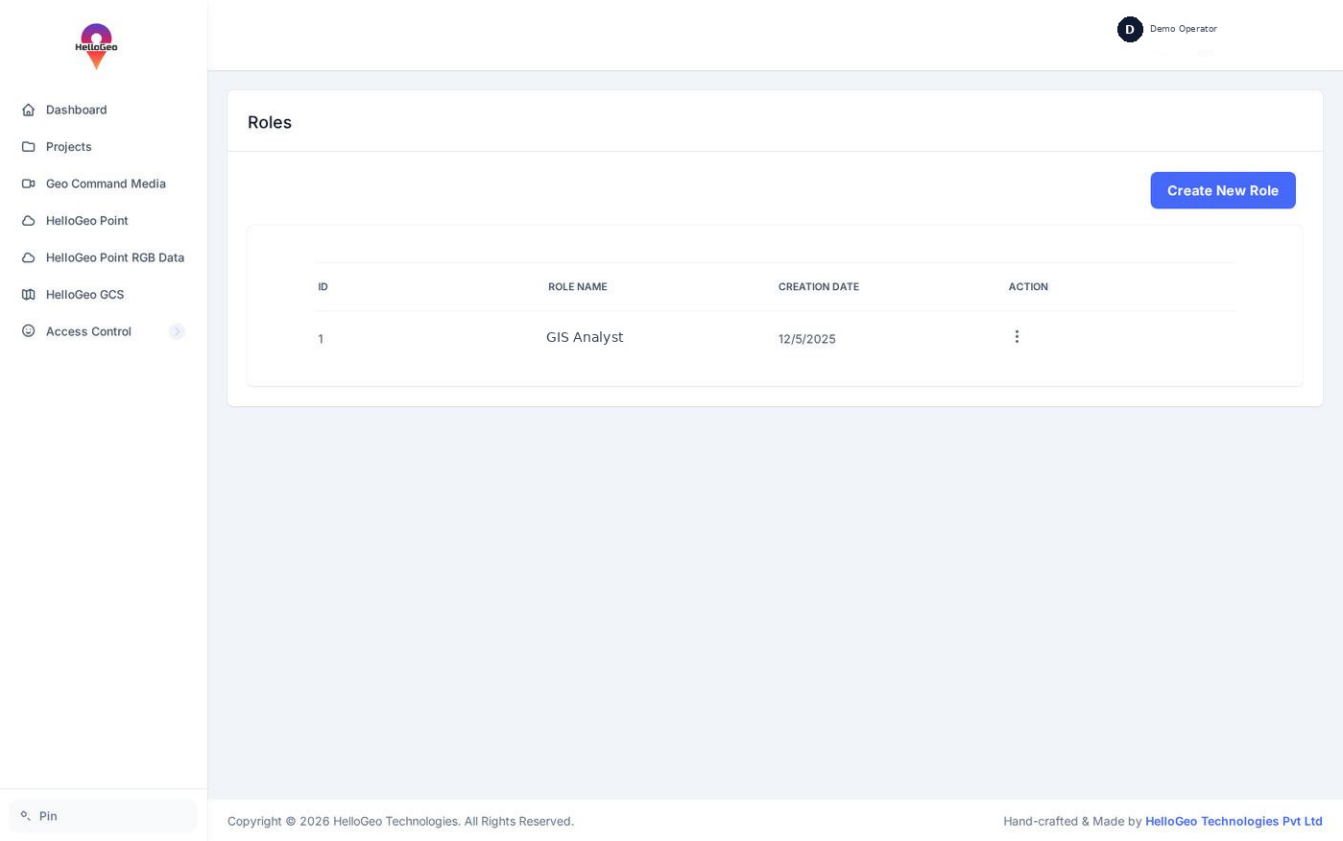
AI ASSURANCE

Do not present model output as verified fact until a qualified reviewer confirms the result against imagery, thermal scale, field evidence and the inspection standard.

PART III / HELLOGEO SUITE / 14 / ACCESS CONTROL

Control users, roles and projects

Separate account creation, reusable permission roles and project-specific assignment.



Roles and permission administration with a neutral training role.

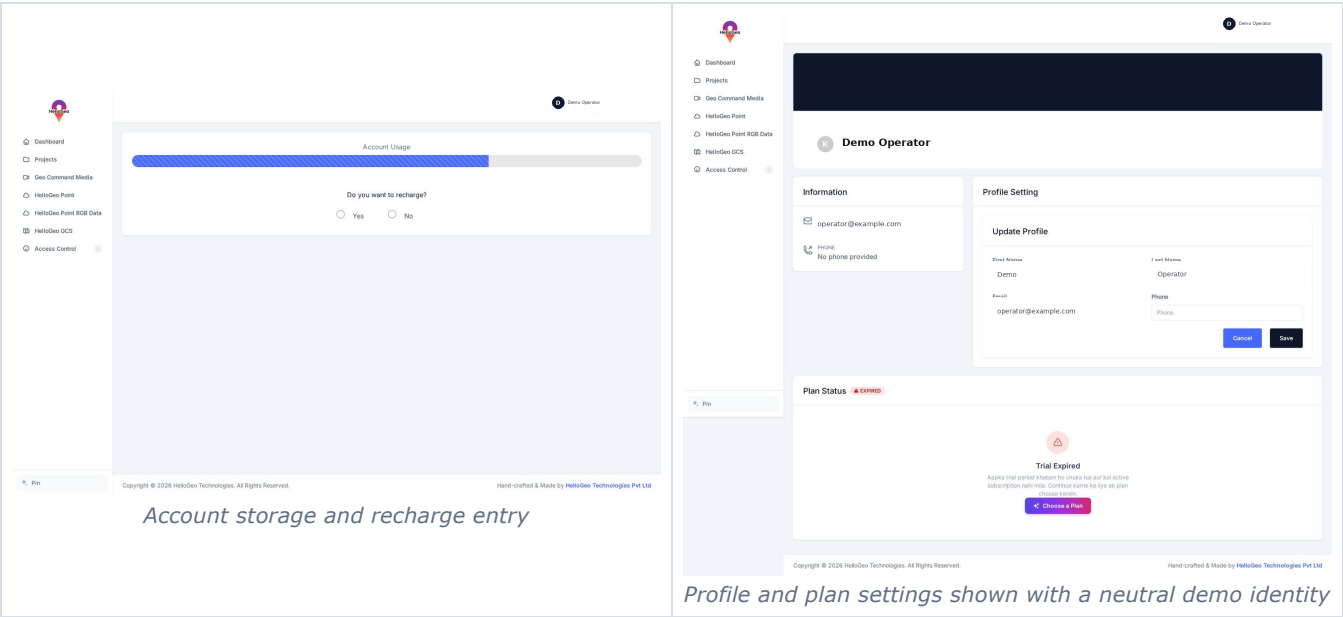
LAYER	ACTION	REVIEW QUESTION
Sub-user	Create or disable named user	Is the identity current and unique?
Role	Define reusable permissions	Is access limited to the job function?
Assignment	Link user to a specific project	Is the customer/site scope approved?
Lifecycle	Review, expire and remove	Has role, contract or project status changed?

PERSONAL DATA	Published screenshots should not expose live email lists. Use sanitized training examples and protect account exports, notifications and audit records.
---------------	---

PART III / HELLOGEO SUITE / 15 / ACCOUNT

Manage storage, profile and notifications

Account controls cover storage recharge, contact details, plan status and task events.



AREA	ACTION
Storage	Review usage, required GB, price and approved recharge/coupon
Profile	Maintain accurate name, email and phone; confirm plan status
Notifications	Review task-state changes and retain relevant incident evidence
Billing control	Record approver, quantity, rate, coupon and transaction reference

Apply quality gates and troubleshoot

A completed workflow must pass data, processing, geospatial and delivery checks.

GATE	PASS EVIDENCE	TYPICAL FAILURE
Input	Expected count, readable files, metadata and original archive	Missing/corrupt or mixed mission data
Processing	Settings, logs and stable completed state	Failed task or unknown profile
Geospatial	CRS, datum, units, control/checkpoints and residuals	Shift, scale or elevation error
Visual	Coverage, blur, seams, noise and classification review	Artifact or incomplete coverage
AI	Reviewer decision, model/version and uncertainty record	Unverified detection
Delivery	Correct customer/project, format, permissions and checksum	Wrong scope or uncontrolled share

TROUBLESHOOT	Upload issue: validate format, size, connection and storage. Processing issue: preserve task ID, input count, profile and error. Map issue: check CRS, tile service and browser. Access issue: check role, project assignment and plan status.
--------------	--

ESCALATE	Send the project/dataset/task IDs, app version, browser/OS, timestamps, steps, settings, uncropped screen and relevant logs to support@hellogeo.world. Exclude credentials and unrelated customer data.
----------	---

Run the end-to-end operating chain

Assign an owner and acceptance evidence at every transition between products.

STAGE	PRIMARY SURFACE	REQUIRED EVIDENCE	RECEIVER
Authorize	Governance / admin	Site, airspace, pilot, role and customer approval	Mission planner
Plan	Command Centre / Suite	Reviewed route/KML, aircraft, payload, units and revision	Field operator
Configure	Control Centre	Device endpoints, assignments, weather limits and Master Control state	Control-room lead
Operate	Command + Control	Telemetry, video, actions, alerts and anomaly log	Data custodian
Capture	Command / field apps	Original media, logs, timestamps and asset identity	Suite project
Process	Suite	Dataset/task settings, logs and outputs	Technical reviewer
Review	Suite + AI	QA, model/version, human acceptance and exceptions	Customer approver
Archive	Controlled repository	Deliverable, checksum, approvals, retention and access record	Records owner

SINGLE SOURCE OF TRUTH	Use one project/mission identifier across planning, control-room logs, aircraft media, processing tasks, AI review and final delivery.
------------------------	--

Escalate incidents without losing control

Safety, evidence protection and clear authority take priority over diagnosis speed.

- 95. **Stabilize** - Follow the approved hold, return, land, isolate or safe-state procedure.
- 96. **Protect** - Preserve logs, media, alerts, configuration and timestamps; do not overwrite originals.
- 97. **Record** - State what was expected, what occurred, who observed it and what action was taken.
- 98. **Classify** - Separate safety, security, privacy, data-quality, hardware and availability impacts.
- 99. **Escalate** - Notify the operational authority and HelloGeo support through the approved route.
- 100. **Recover** - Restore only through an approved change and validation plan.
- 101. **Learn** - Document cause, corrective action, owner, due date and verification evidence.

MINIMUM SUPPORT PACKET	EXAMPLE
Identity	Product, tenant/workspace, project/mission and affected asset
Baseline	App/build, firmware, device/OS/browser and network type
Time	UTC/local time, duration and last known good state
Evidence	Uncropped screen, logs, media, alert/report and exact steps
Protection	Confirmation that secrets and unrelated personal/customer data were excluded

PART V / GOVERNANCE / GOVERNANCE

International alignment and release controls

Use this matrix as an implementation and review checklist. It does not claim certification or automatic legal compliance.

NO CERTIFICATION CLAIM	References below describe recognized control frameworks. Conformity depends on the deployed configuration, documented processes, audit evidence and applicable jurisdiction.	
CONTROL AREA	MINIMUM OPERATIONAL MEASURE	REFERENCE DIRECTION
User information	Task-based steps, defined audience, version control, warnings and maintained screenshots	ISO/IEC/IEEE 26514
Information security	Least privilege, account lifecycle, protected credentials, logging, backup and incident response	ISO/IEC 27001 / NIST CSF 2.0
Privacy	Lawful purpose, data minimization, retention limits, access control and secure disclosure	ISO/IEC 27701 / applicable privacy law
Continuity	Recovery objectives, resilient backups, failover procedures, tested restoration and controlled degraded mode	ISO 22301
AI assurance	Human confirmation, dataset provenance, threshold review, false-positive tracking and retraining approval	ISO/IEC 42001 principles
UAS operations	Registration, pilot authority, airspace/site approval, weather, Remote ID where applicable, operational limits and occurrence reporting	ICAO guidance + local civil aviation authority
Copyright	Controlled copies, license conditions, attribution, permission records and takedown/escalation route	Berne Convention / WIPO Copyright Treaty

- 102. For the complete HelloGeo platform, apply the stricter of the customer contract, site procedure, aircraft manual, national regulation and approved safety case.
- 103. Record the app version, operator, device/aircraft identity, UTC/local time, action, result and evidence location for safety- or customer-impacting activity.
- 104. Do not place passwords, license keys, signing credentials, private keys, personal data or unrelated customer data in support tickets or screenshots.
- 105. [ISO/IEC/IEEE 26514:2022 - information for users](#)
- 106. [ISO/IEC 27001:2022 - information security management](#)
- 107. [ISO/IEC 27701:2025 - privacy information management](#)
- 108. [ISO 22301:2019 - business continuity management](#)
- 109. [NIST Cybersecurity Framework 2.0](#)
- 110. [ISO/IEC 42001:2023 - artificial intelligence management systems](#)
- 111. [ICAO unmanned aviation guidance](#)
- 112. [WIPO Berne Convention](#)
- 113. [WIPO Copyright Treaty](#)

PART V / GOVERNANCE / RELEASE ASSURANCE

Publication readiness, compatibility and support

Complete these controls before external issue or use with a different deployment baseline.

ISSUE BOUNDARY	This DOCX is the controlled editable master. Export an accessible tagged PDF only after the authorized release owner records the exact product build, technical/safety/privacy review and distribution approval in the release register.
-----------------------	--

AREA	MINIMUM RELEASE CHECK	EVIDENCE
Command Centre	Browser, aircraft/dock/payload/firmware and live services	Build, compatibility matrix and mission acceptance
Control Centre	Workstation, physical devices, endpoints and site network	Build, asset/IP register and function test
HelloGeo Suite	Browser, input/output formats, storage and sharing controls	Build, format limits, QA and access test

SEVERITY	USE WHEN	IMMEDIATE ROUTE
Critical	Active safety/security event or live operations unavailable	Apply site safe-state/emergency procedure, notify the customer authority, then support
High	Core workflow materially impaired with no acceptable workaround	Preserve evidence and escalate through the contracted support route
Standard	How-to, cosmetic, data request or enhancement	Open a normal support request; response target follows the applicable SLA

DATA AND ACCESS	Before issue, record contractual data ownership, lawful purpose, least privilege, retention/deletion, backup/restore, export rights, incident handling and periodic access review. Do not claim encryption, MFA, SSO or residency controls unless verified for the deployed configuration.
------------------------	--

THIRD PARTIES	Maps, imagery, standards, operating systems, device marks and other provider content remain subject to their owners' terms. Preserve on-screen attribution, keep a screenshot/permission register and obtain written approval before using non-HelloGeo marks beyond permitted reference use.
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AI AND BIOMETRICS	AI output is decision support and requires trained human review. Where biometric functions are deployed, document lawful basis, authorization, notice/consent where required, access, retention, false-match/bias testing and human confirmation before any operational action.
--------------------------	---

114. [HelloGeo website](#)

115. [HelloGeo Flight for Android \(licensed deployments\)](#)

116. [Email HelloGeo support](#)

PART V / GOVERNANCE / LEGAL CONTROL

Copyright, trademark and distribution controls

International copyright frameworks support protection; enforceability and remedies remain subject to applicable law and contract.

OWNERSHIP	© 2026 HelloGeo Technologies Private Limited. All rights reserved. HelloGeo names, logos, interface designs, screenshots, documentation structure and original written content are proprietary assets. Product identifiers are used as proprietary marks; no registration status is implied unless separately stated.
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CONTROL	PUBLICATION RULE
Notice	Keep the copyright notice, document ID, edition and controlled-distribution statement on every authorized copy.
Permission	HelloGeo-controlled translation, modification and publication require recorded release approval; third-party reuse requires written authorization or contract right.
Integrity	Do not remove notices, alter screenshots to misrepresent capability or combine old/new UI without labeling the baseline.
Attribution	Retain HelloGeo ownership and identify third-party marks, standards and source material accurately.
Third-party media	Preserve required map/imagery attribution and maintain the applicable provider terms, license or written screenshot permission in the release register.
Enforcement	Preserve the suspected copy, URL/location, date, distributor and access evidence; escalate through legal/management channels.

- 117. The Berne Convention provides international minimum protection principles for literary and artistic works.
- 118. The WIPO Copyright Treaty addresses protection of works in the digital environment, including computer programs and certain databases.
- 119. Treaty references do not replace local copyright registration, contracts, trademark strategy, technical access controls or legal advice.
- 120. [WIPO Berne Convention](#)
- 121. [WIPO Copyright Treaty](#)

PART V / REFERENCE / REFERENCE

Quick glossary and support

Use consistent terms in mission briefings, tickets, reports and customer deliverables.

TERM	MEANING
GCS	Ground Control Station used to plan, monitor or manage an aircraft session
RTK	Real-time kinematic positioning; status must be verified, not assumed
GCP	Ground Control Point with known coordinates used to improve or validate geospatial accuracy
GSD	Ground Sample Distance, commonly expressed as ground distance per image pixel
CRS	Coordinate Reference System defining how coordinates relate to the earth
KML	Geospatial exchange format used for map/mission planning context
PTZ	Pan-tilt-zoom camera
Master Control	Control Centre operational enable boundary
Dataset	Controlled batch of source media within a HelloGeo Suite project
Task	A processing job created from selected dataset inputs
Controlled copy	A copy whose document ID, edition, distribution and update status are governed

SUPPORT	Email support@hellogeo.world with the minimum evidence package. For a safety or security event, also follow the customer's immediate incident and regulatory reporting procedure.
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- 122. [HelloGeo website](#)
- 123. [Email HelloGeo support](#)