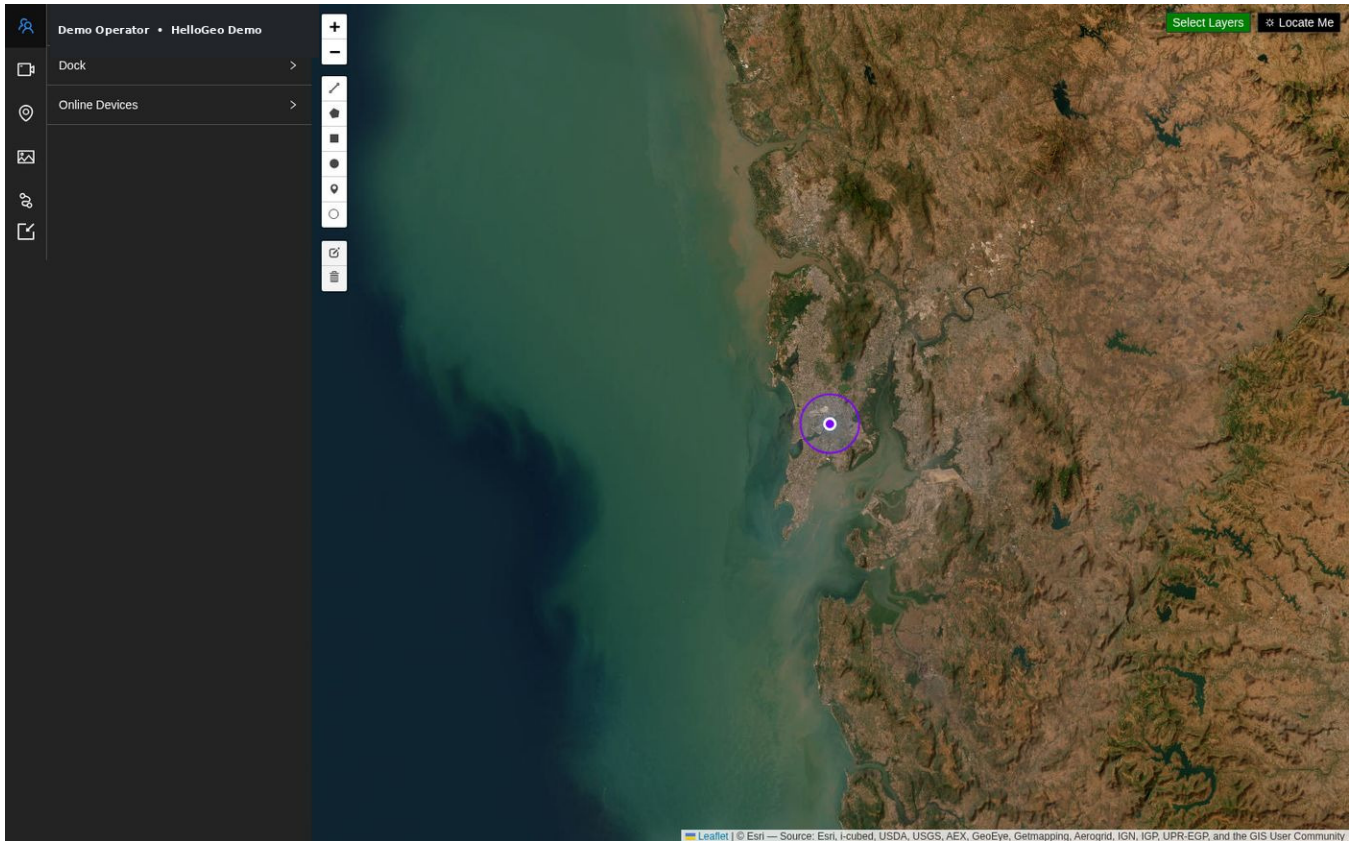




PRODUCT PUBLICATION / EDITION 1.1

# HelloGeo Command Centre

*Ground Control Station User Guide & Product Handbook*



*Mission planning, live video, telemetry, media and fleet administration in one browser console.*

|                                |                                     |                                |
|--------------------------------|-------------------------------------|--------------------------------|
| <b>PLAN</b><br>Waypoint + grid | <b>MONITOR</b><br>Video + telemetry | <b>MANAGE</b><br>Media + fleet |
|--------------------------------|-------------------------------------|--------------------------------|

**HG-CC-UG-1.1 | UI baseline August 2026 | Publication-ready 30 August 2026**  
*For Remote pilots, mission planners, dock operators, fleet administrators and support teams*

DOCUMENT GOVERNANCE

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

| FIELD          | CONTROLLED VALUE                                                                |
|----------------|---------------------------------------------------------------------------------|
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| Edition        | 1.1 / UI baseline August 2026                                                   |
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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. |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|        |                                                                                                                                                                                                                                        |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. |
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| 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                                                               |

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CONTENTS AND READING PATH

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Follow the route that matches the task; use the final governance page before live or customer-facing work.

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|                                  |                                                                                                                                                                                  |                             |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| OPERATOR<br>Start with workflows | ADMIN<br>Add control pages                                                                                                                                                       | SUPPORT<br>Capture evidence |
| READING RULE                     | UI labels are written as they appear in the August 2026 baseline. If a later release changes a label or sequence, stop and verify the current release note rather than guessing. |                             |

# 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.

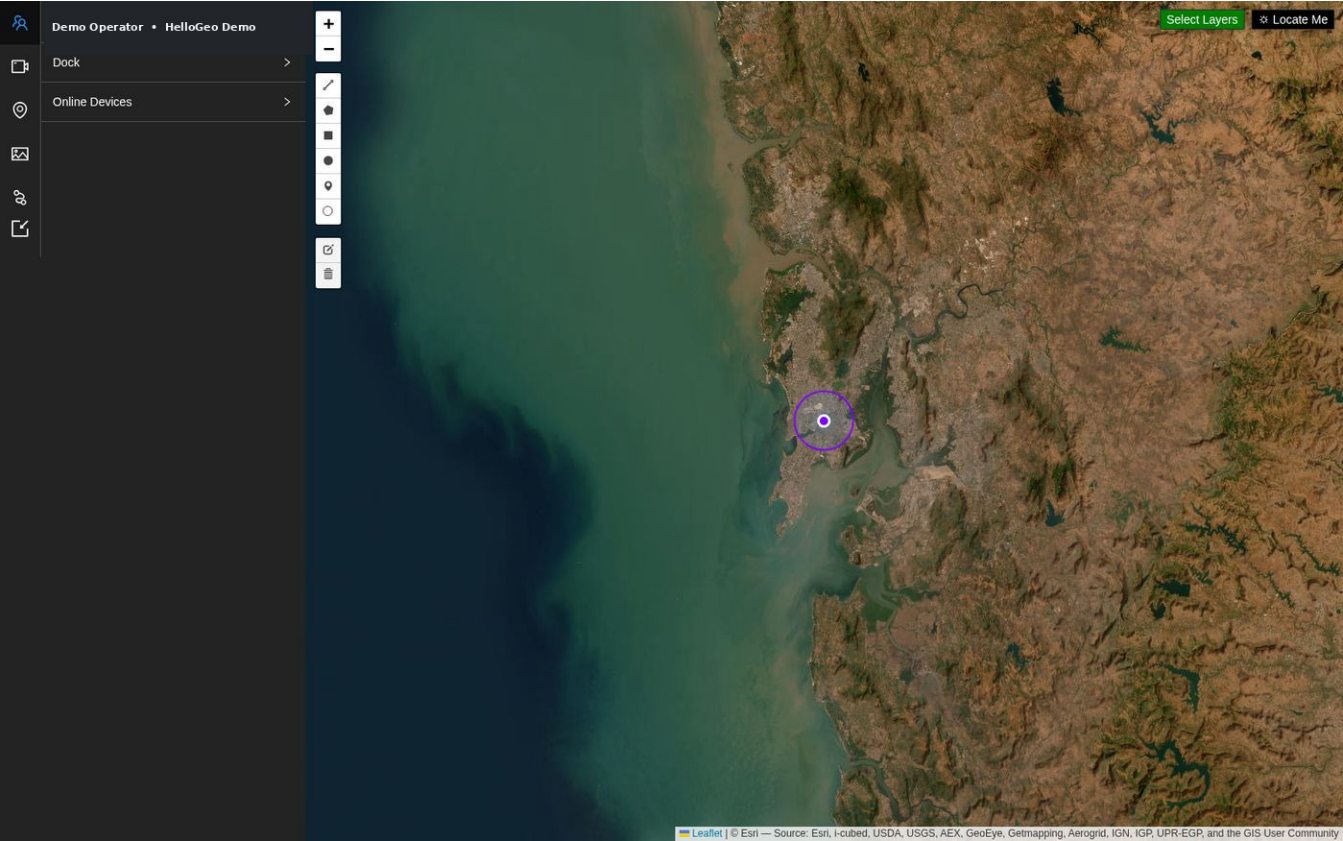
- 1. **Open** - Launch the approved Command Centre URL in a supported browser and confirm the tenant/workspace.
- 2. **Authenticate** - Enter the assigned username and password; never use another operator's credentials.
- 3. **Verify** - Confirm the expected workspace and role before selecting any dock,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

# 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.

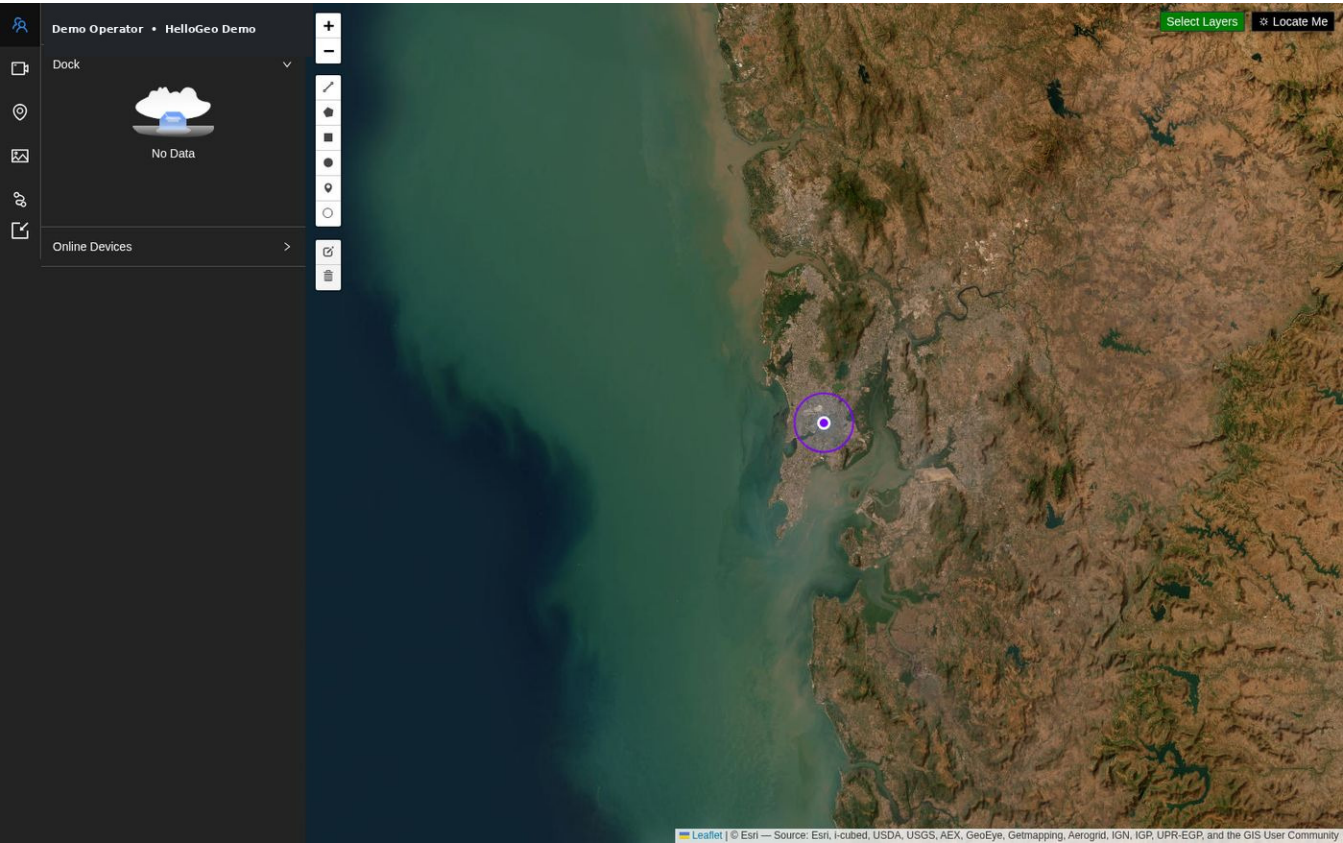
| RAIL AREA | PURPOSE                                        |
|-----------|------------------------------------------------|
| Person    | Dock status, online devices and live telemetry |
| Video     | RTMP/GB28181 live streaming                    |
| Pin       | Shared map annotations                         |
| 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.

# 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.

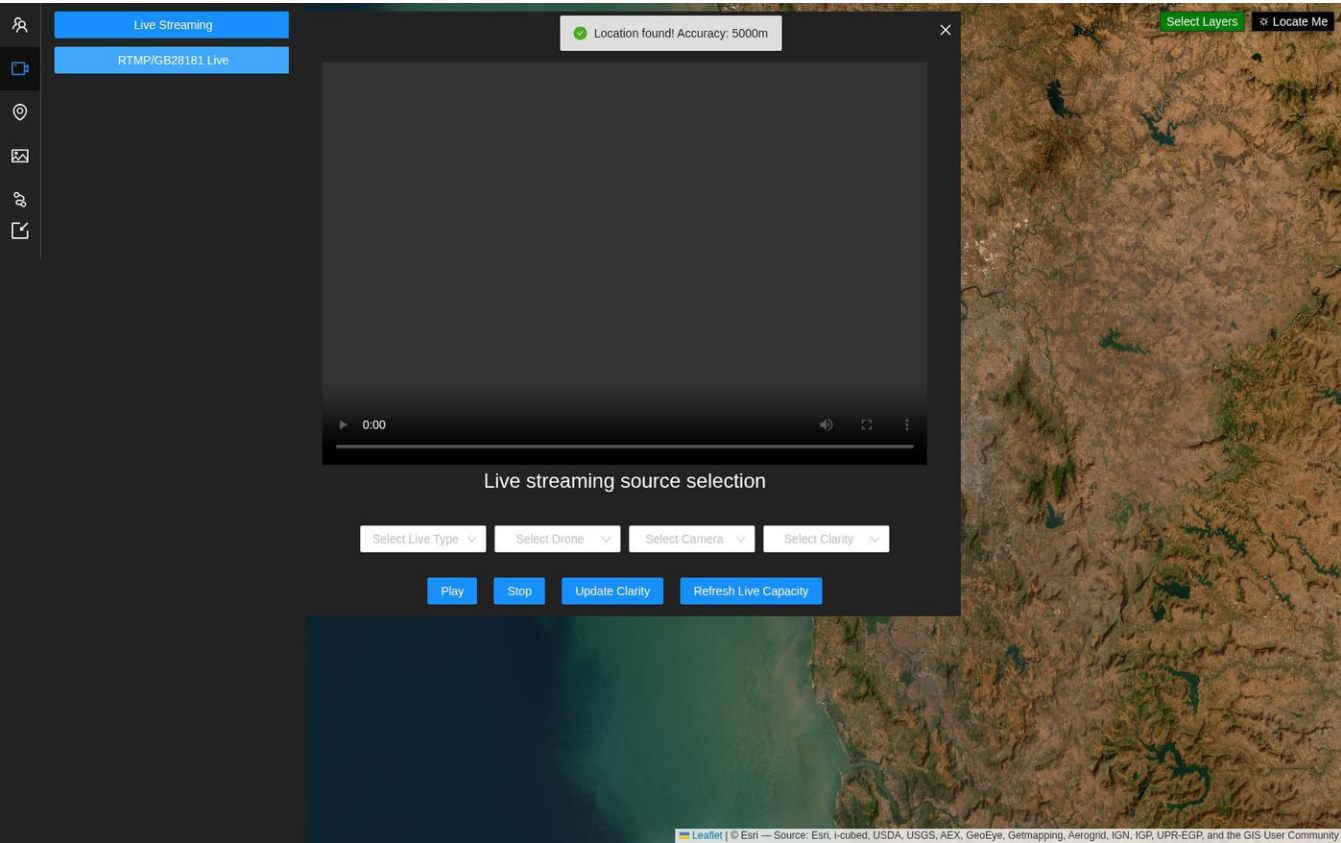
| AIRCRAFT TELEMETRY                      | DOCK TELEMETRY                                  |
|-----------------------------------------|-------------------------------------------------|
| Signal, RC battery, aircraft battery    | Running/activation time and network state       |
| GPS, RTK and RTK 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.

## Open and validate live streaming

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



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

- 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.
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

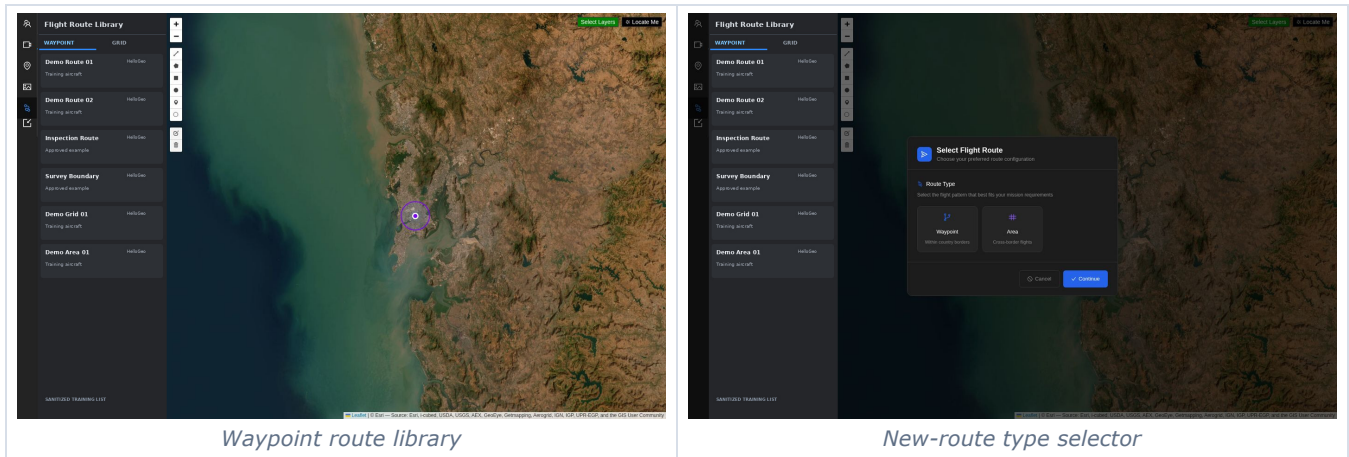
- Use a quality level supported by the network and operational need.
8. Start and confirm

- Verify time, orientation and visible scene before relying on the feed.

## COMMAND CENTRE / 05 / WAYPOINT

## Start a waypoint mission

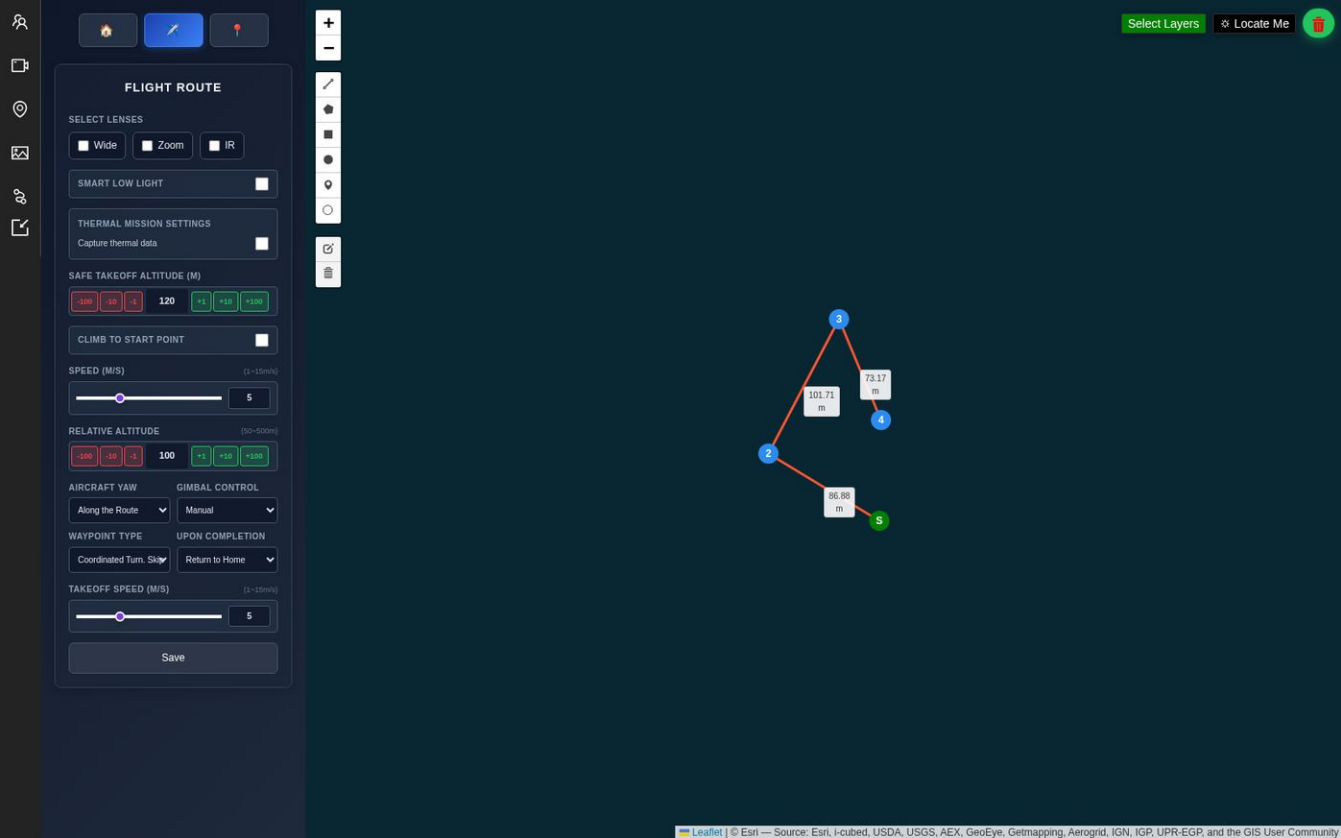
Use the Flight Route Library for point-to-point missions with ordered waypoints and actions.



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.

## Configure mission-wide parameters

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



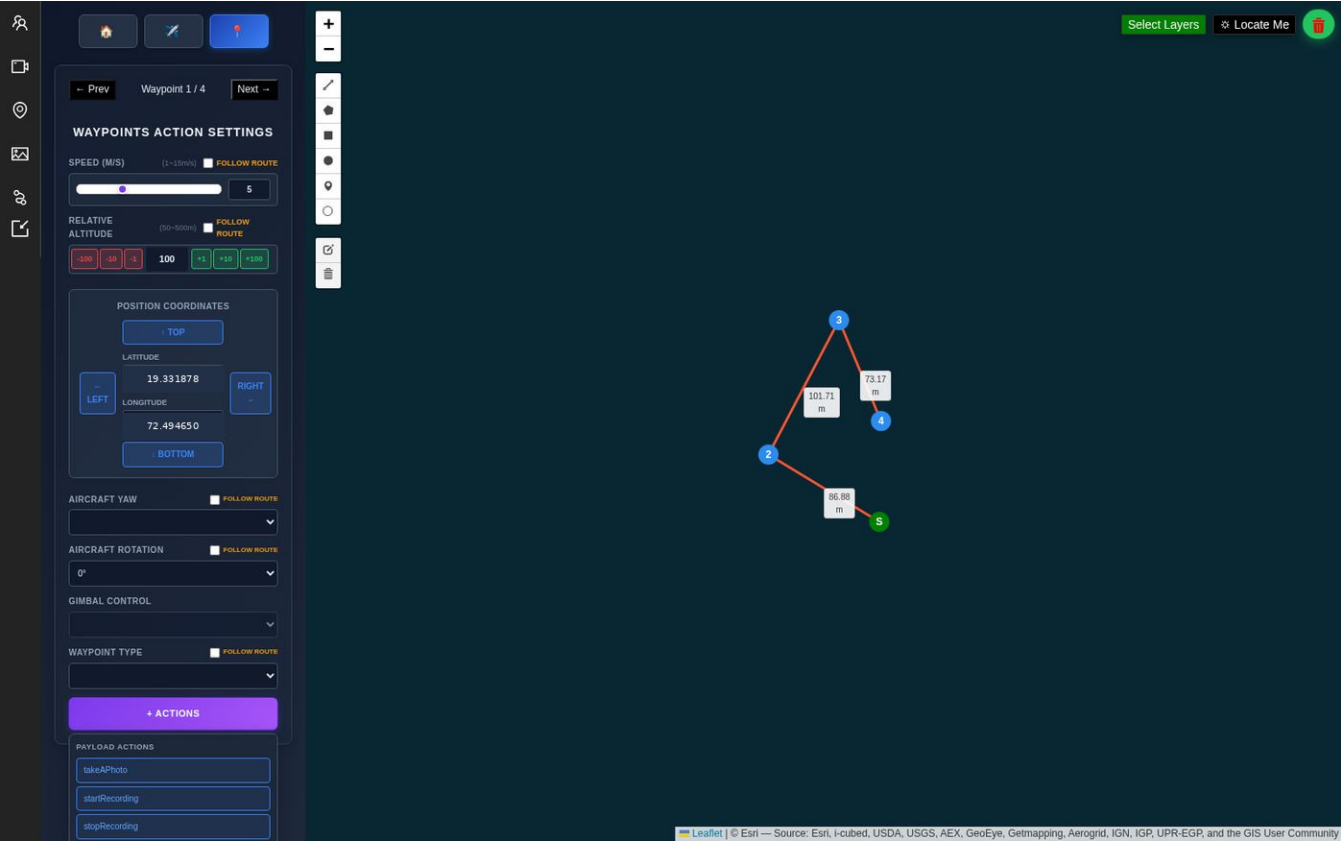
Route parameters for lenses, altitude, speed, yaw, gimbal and completion behavior.

| 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. |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|

## 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.

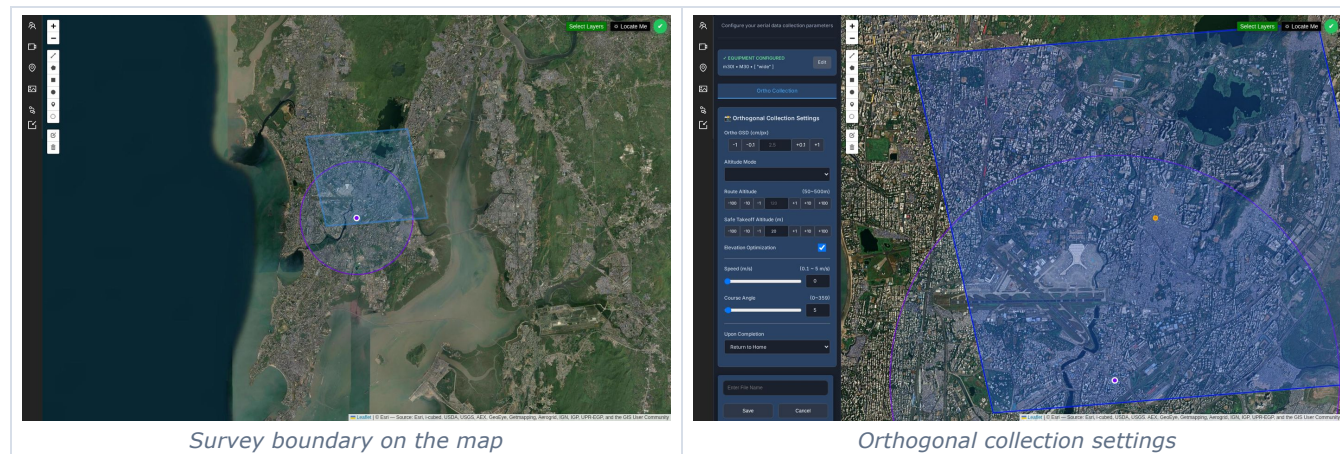
18. **Sequence** - Read the full route from takeoff to completion; inspect every changed point.

|                       |                                                                                                                                                                                                                        |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. |

## COMMAND CENTRE / 08 / GRID

## Build an area or grid mission

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



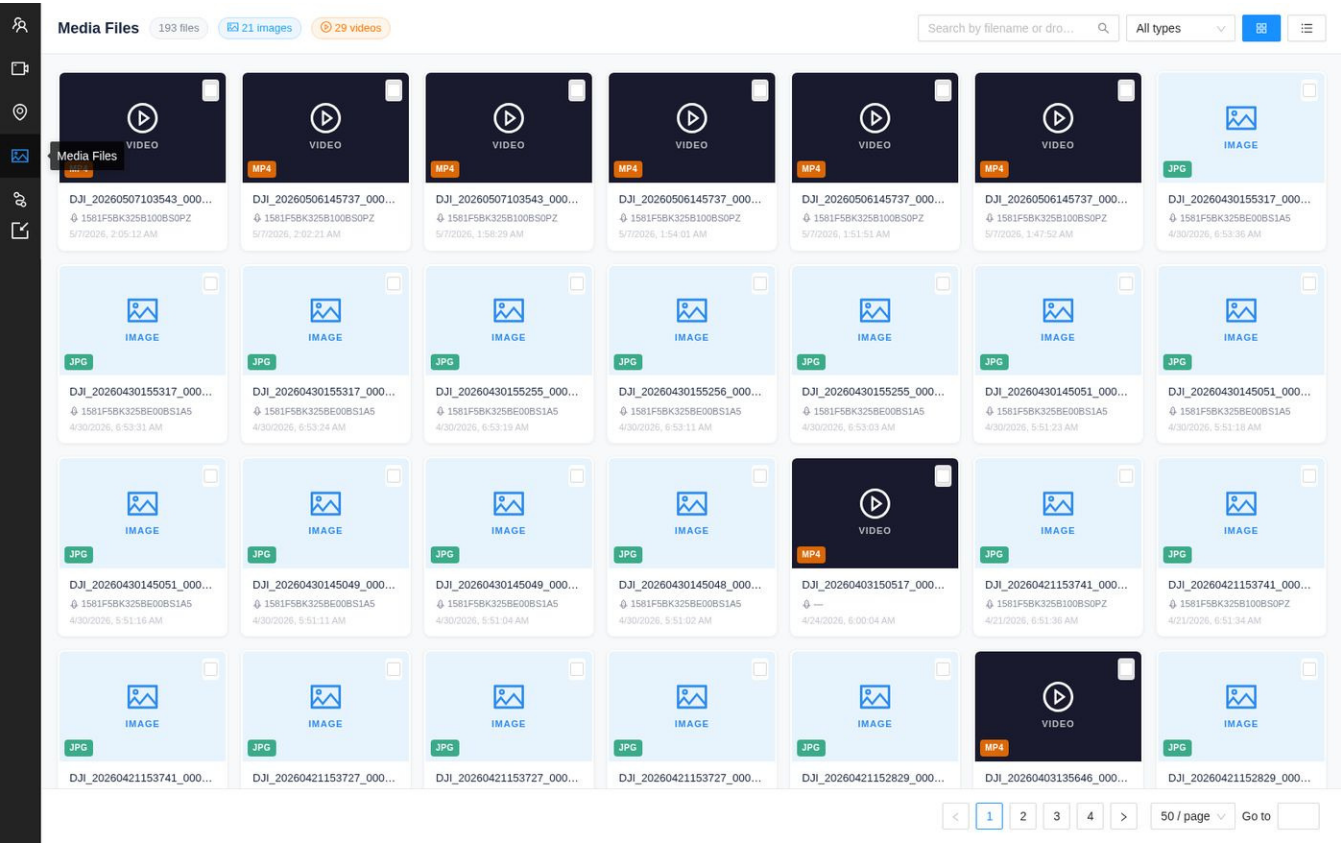
19. **Draw** - Create the authorized survey polygon and close the boundary.
20. **Bind payload** - Choose aircraft, camera model and lens.
21. **Set quality** - Enter GSD and verify the derived or entered altitude.
22. **Tune route** - Set altitude mode, speed, course angle, overlap and camera trigger 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.

Manage captured media

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



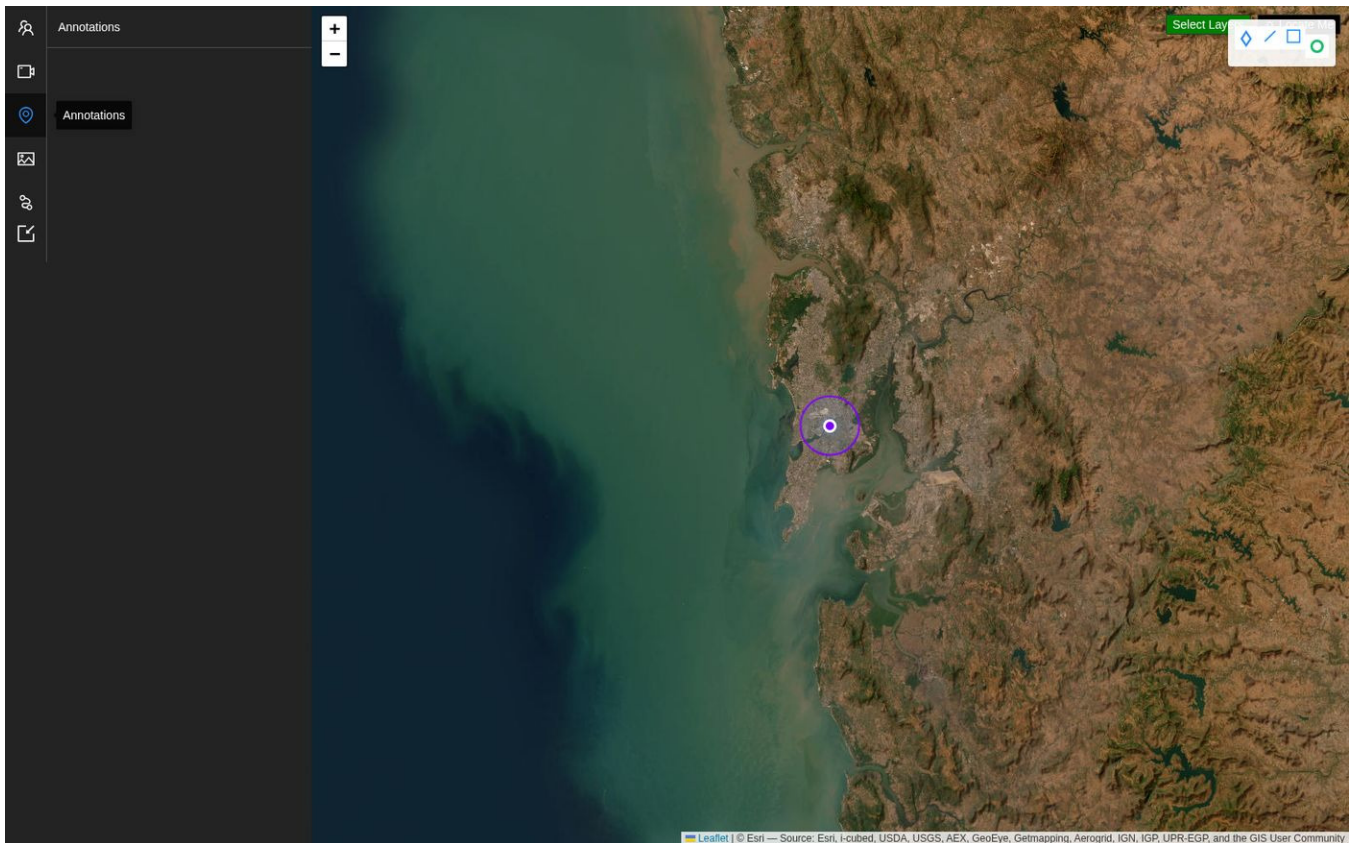
Captured media gallery with image/video counts and filters.

- 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   |

## 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.

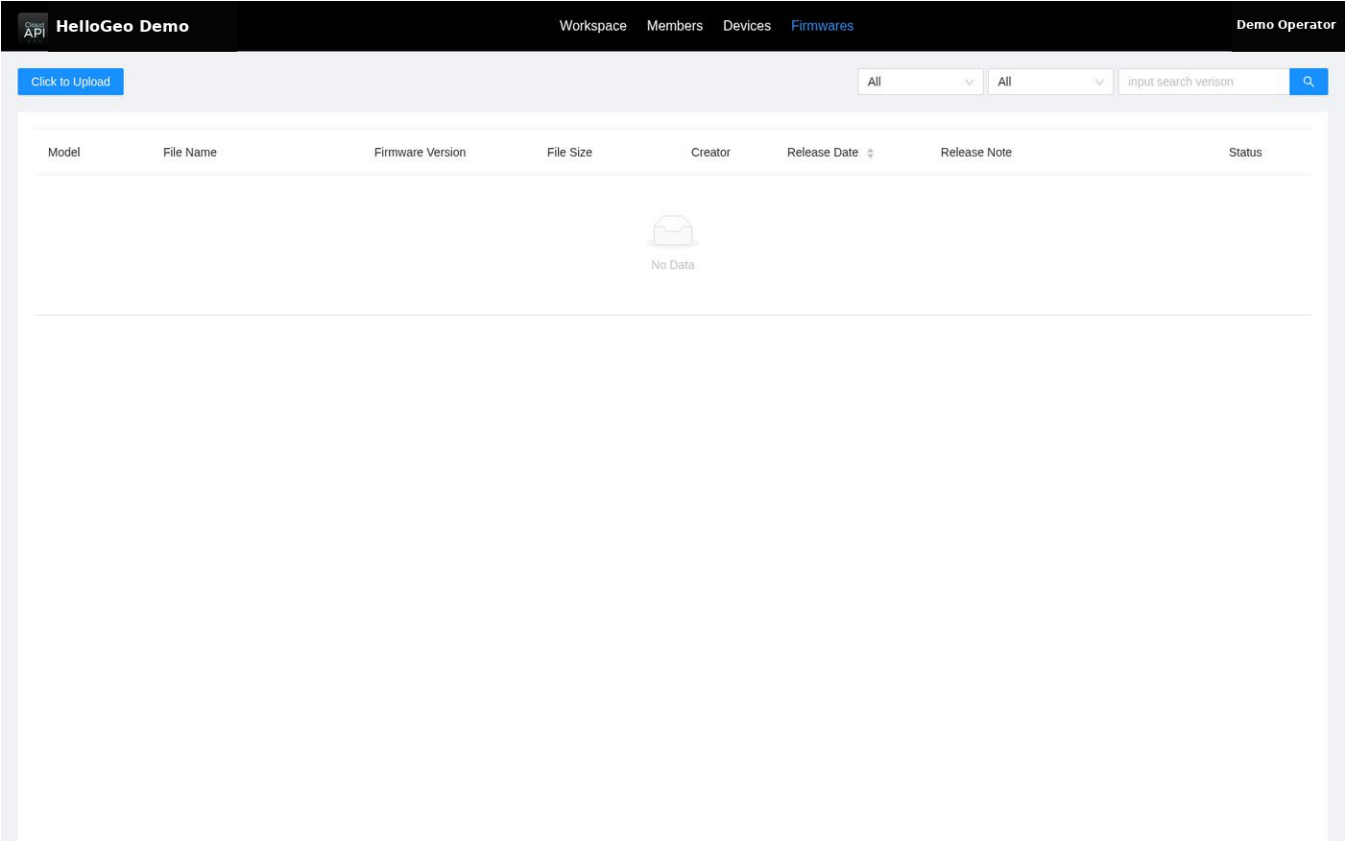
### MAP ASSURANCE

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

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. |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Operate with disciplined checklists

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

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

## COMMAND CENTRE / GOVERNANCE

## International alignment and release controls

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

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

34. For HelloGeo Command Centre, apply the stricter of the customer contract, site procedure, aircraft manual, national regulation and approved safety case.
35. Record the app version, operator, device/aircraft identity, UTC/local time, action, result and evidence location for safety- or customer-impacting activity.
36. Do not place passwords, license keys, signing credentials, private keys, personal data or unrelated customer data in support tickets or screenshots.
37. [ISO/IEC/IEEE 26514:2022 - information for users](#)
38. [ISO/IEC 27001:2022 - information security management](#)
39. [ISO/IEC 27701:2025 - privacy information management](#)
40. [ISO 22301:2019 - business continuity management](#)
41. [NIST Cybersecurity Framework 2.0](#)
42. [ISO/IEC 42001:2023 - artificial intelligence management systems](#)
43. [ICAO unmanned aviation guidance](#)
44. [WIPO Berne Convention](#)
45. [WIPO Copyright Treaty](#)

## COMMAND CENTRE / RELEASE ASSURANCE

## Publication readiness, compatibility and support

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

|                       |                                                                                                                                                                                                                                          |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ISSUE BOUNDARY</b> | 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                                                 |
|----------------------|----------------------------------------------------------------------------------|----------------------------------------------------------|
| <b>Client</b>        | Approved desktop browser, secure Command Centre URL and stable operating network | Browser/OS, tenant, app build and connectivity test      |
| <b>Aircraft/dock</b> | Approved aircraft, dock, payload and firmware pairing                            | Compatibility matrix, asset register and acceptance test |
| <b>Services</b>      | Authorized maps, telemetry/streaming endpoints and controlled storage            | Endpoint owner, access approval and recovery test        |

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

|                        |                                                                                                                                                                                                                                                                                            |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>DATA AND ACCESS</b> | 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. |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                      |                                                                                                                                                                                                                                                                                               |
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| <b>AI AND BIOMETRICS</b> | 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. |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

46. [HelloGeo website](#)
47. [HelloGeo Flight for Android \(licensed deployments\)](#)
48. [Email HelloGeo support](#)