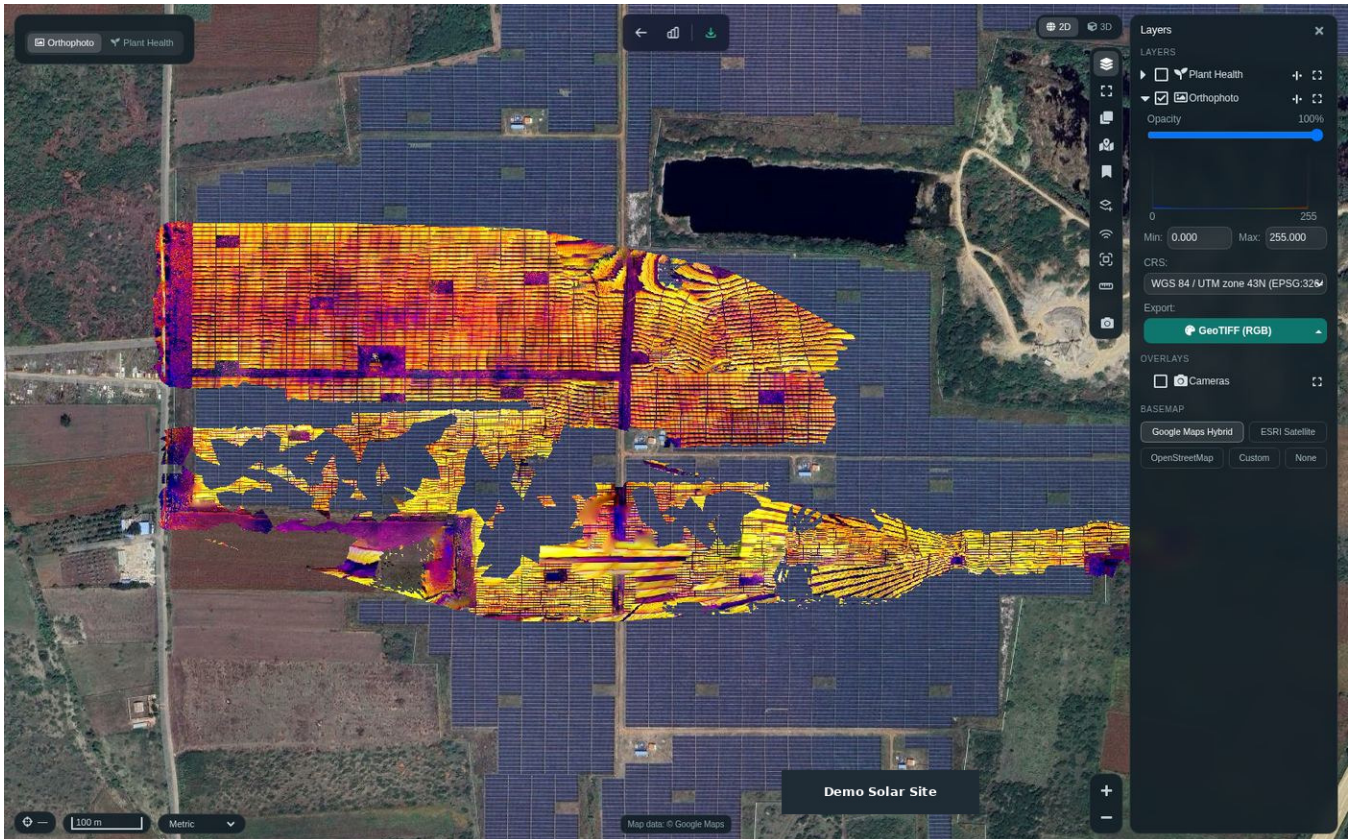




PRODUCT PUBLICATION / EDITION 1.1

HelloGeo Suite

Complete User Guide & Product Handbook



Plan, upload, process, visualize and analyze geospatial data through a project-based workflow.

CAPTURE Drone + field	PROCESS Imagery + LiDAR	ANALYZE Maps + AI
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HG-SUITE-UG-1.1 | UI baseline August 2026 | Publication-ready 30 August 2026

For Survey managers, GIS analysts, photogrammetry teams, LiDAR specialists, AI reviewers and account administrators

DOCUMENT GOVERNANCE

Publication control and permitted use

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

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Document ID	HG-SUITE-UG-1.1
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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.
-------------	--

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

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

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.

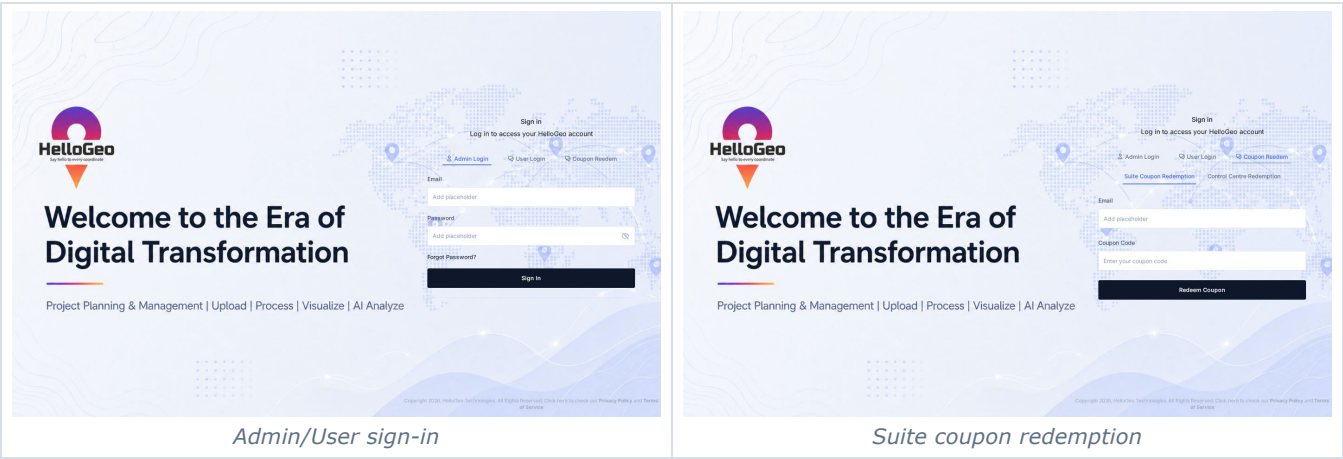
NO.	SECTION	PAGE
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OPERATOR Start with workflows	ADMIN Add control pages	SUPPORT Capture evidence
READING RULE	UI labels are written as they appear in the August 2026 baseline. If a later release changes a label or sequence, stop and verify the current release note rather than guessing.	

HELLOGEO SUITE / 01 / ACCESS

Activate and sign in

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



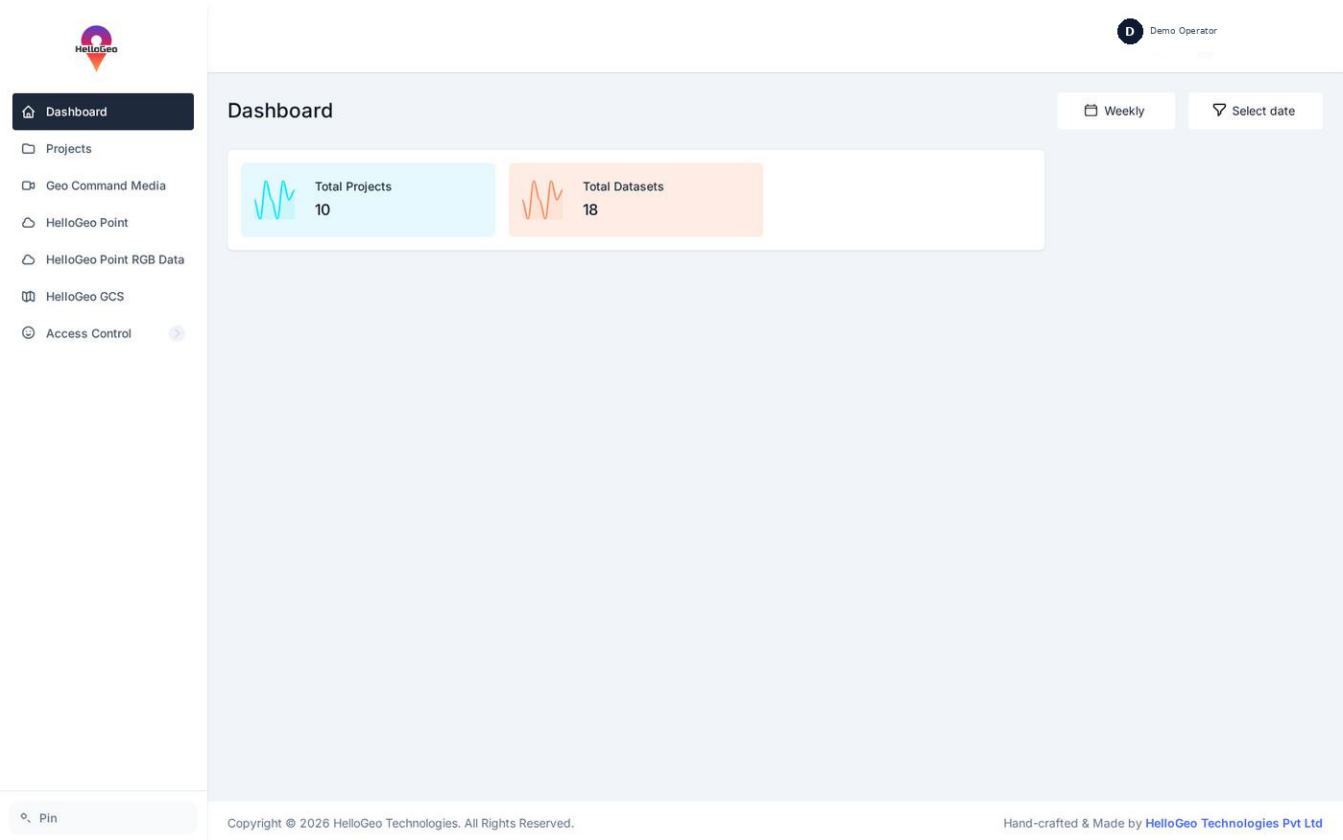
- 1. **Activate** - Use Suite Coupon Redemption for a Suite account; use Control Centre Redemption only for an issued Control Centre license.
- 2. **Identify** - Choose Admin Login for account owners or User Login for provisioned sub-users.
- 3. **Authenticate** - Enter assigned credentials and confirm the account/organization.
- 4. **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.
-----------------	--

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.



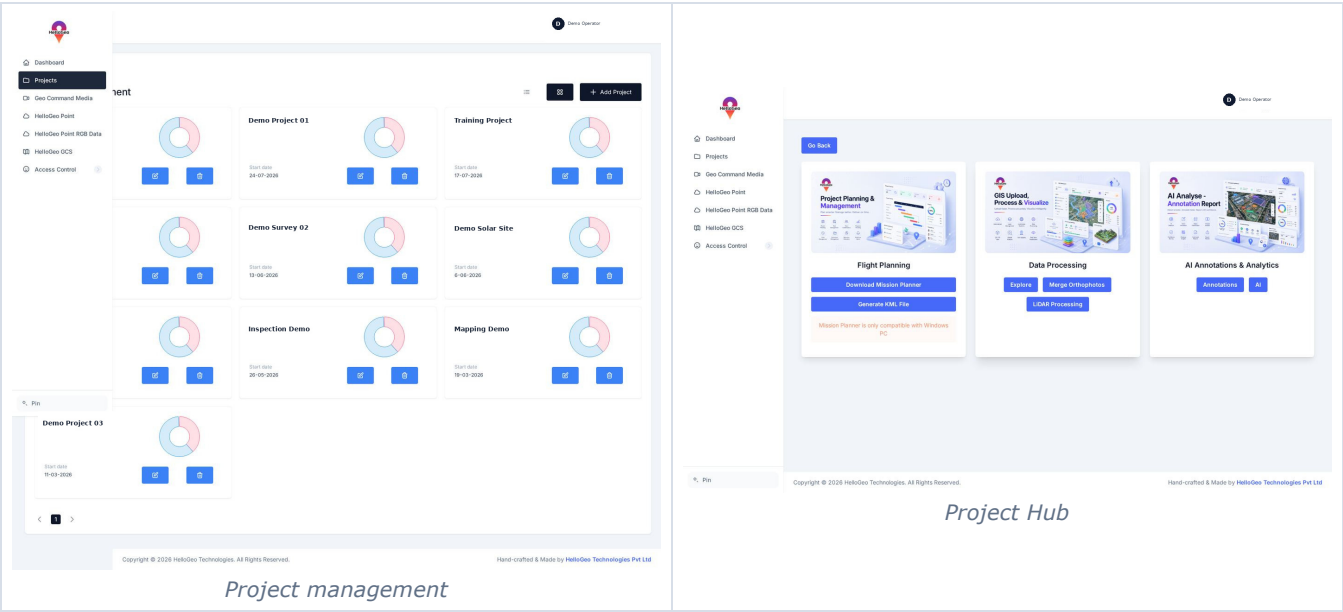
HelloGeo Suite dashboard with navigation sidebar.

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

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.



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

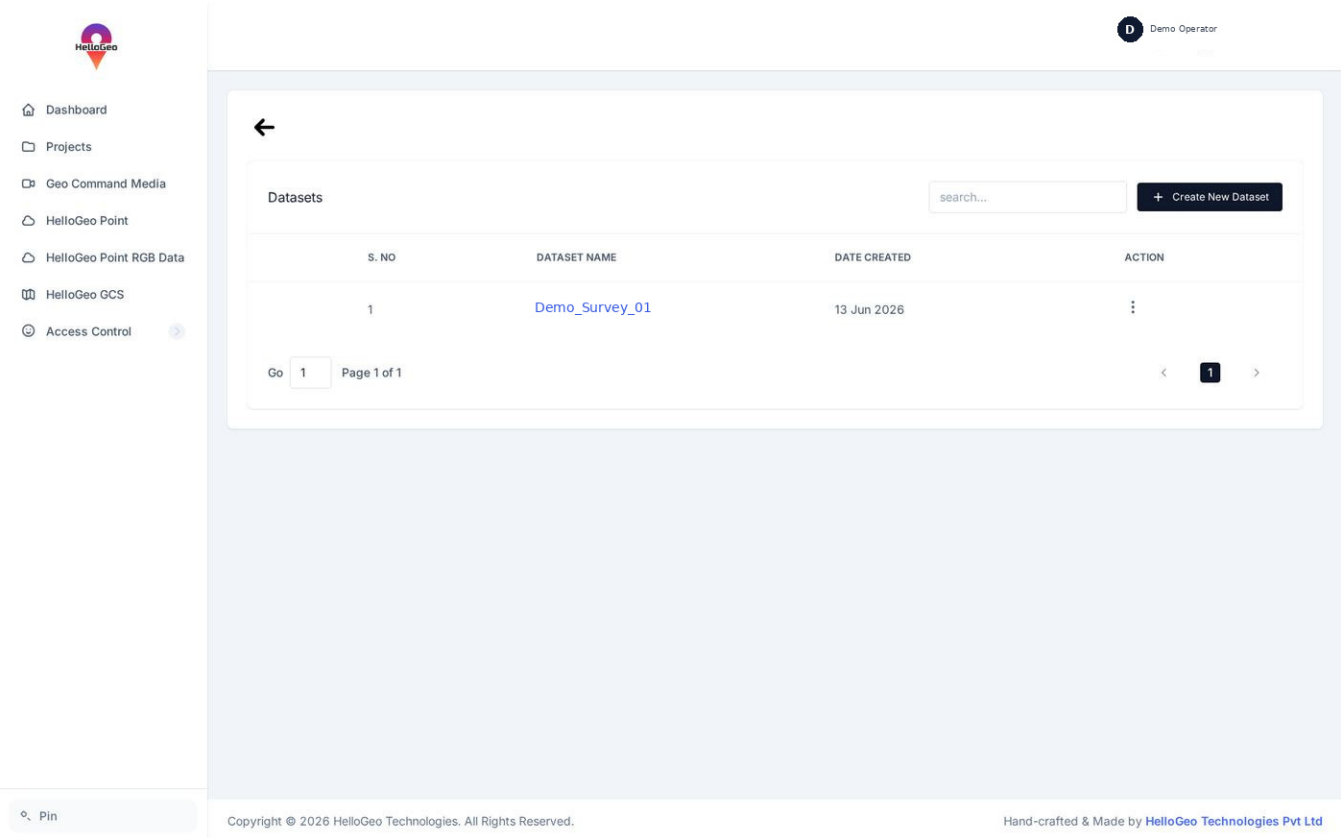
NAMING

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

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.

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

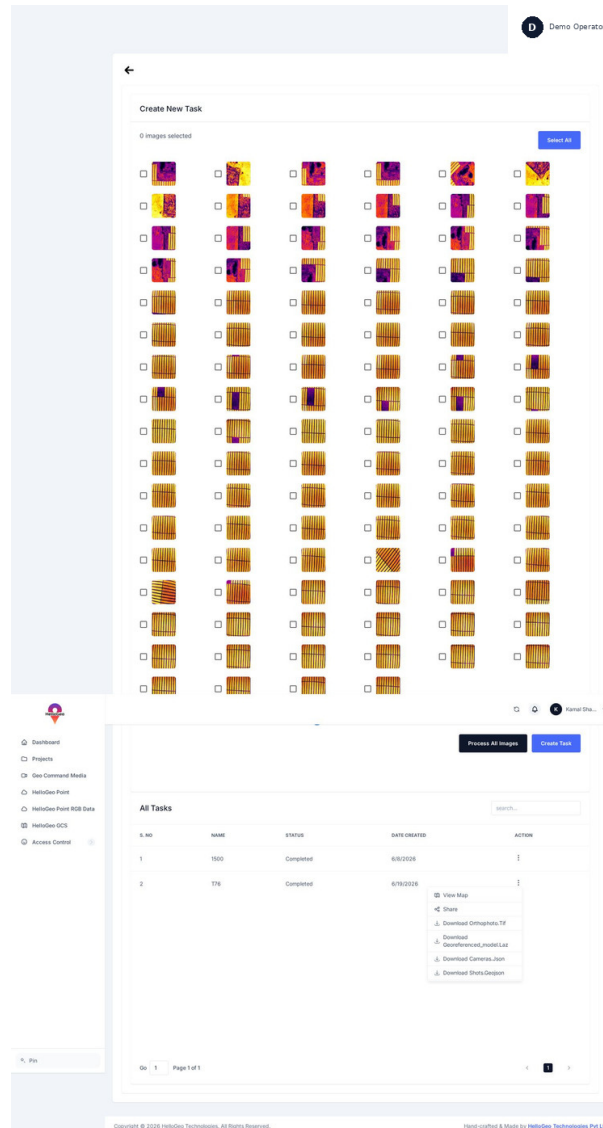
ORIGINALS

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

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.

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

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

HELLOGEO SUITE / 07 / LIDAR

Process LiDAR point clouds

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

The screenshot shows the 'Upload Point Cloud' form in the HelloGeo suite. On the left is a sidebar with navigation links: Dashboard, Projects, Geo Command Media, HelloGeo Point, HelloGeo Point RGB Data, HelloGeo GCS, and Access Control. The main content area has a 'Go Back' button at the top left. The form itself has two main sections: 'Point cloud file' and 'Terrain profile'. The 'Point cloud file' section includes a 'Choose File' button and a 'No file chosen' status. Below this is a note: 'Jas or Laz only.' The 'Terrain profile' section has a dropdown menu currently set to 'Default', with a tooltip showing 'General purpose / unknown terrain'. Below these sections is an 'Upload & Process' button. A disclaimer states: 'Processing a large cloud takes roughly 20 minutes and is not interactive — you can leave this page and come back. Clouds above 250 million points are rejected. Ground is separated from non-ground; nothing is classified as buildings or roads.' Below the form is a 'LiDAR Tasks (0)' section, which is currently empty and shows the message 'No point clouds processed yet.' At the bottom of the page, there is a copyright notice: 'Copyright © 2026 HelloGeo Technologies. All Rights Reserved.' and a note: 'Hand-crafted & Made by HelloGeo Technologies Pvt Ltd'.

LiDAR Point Cloud Processing form.

18. **Choose** - Select a controlled .las or .laz file and record sensor/source metadata.
19. **Profile** - Use Default, flat/open, forest/dense vegetation, steep/mountainous or urban settings as appropriate.
20. **Process** - Monitor the job and preserve configuration with the output.
21. **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.

HELLOGEO SUITE / 08 / RASTER

Merge orthophotos

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

HELLOGEO

Dashboard

Projects

Geo Command Media

HelloGeo Point

HelloGeo Point RGB Data

HelloGeo GCS

Access Control

RASTER TOOLS

Orthophoto Merge

Combine overlapping orthophotos into a single seamless raster with cutline blending.

Source A Existing Upload

Select a project

Select a project first

Select a dataset first

Source B Existing Upload

Select a project

Select a project first

Select a dataset first

+ Add Source

Merge 2 sources

Pin

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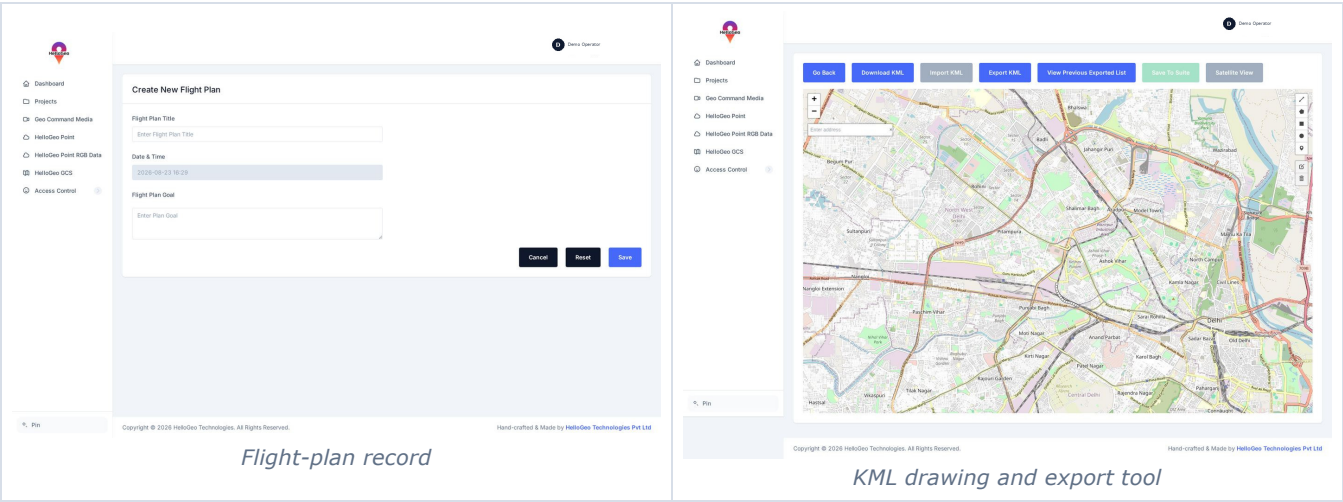
Orthophoto Merge source selection.

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

HELLOGEO SUITE / 09 / FLIGHT PLANNING

Plan flights and export KML

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



Flight-plan record

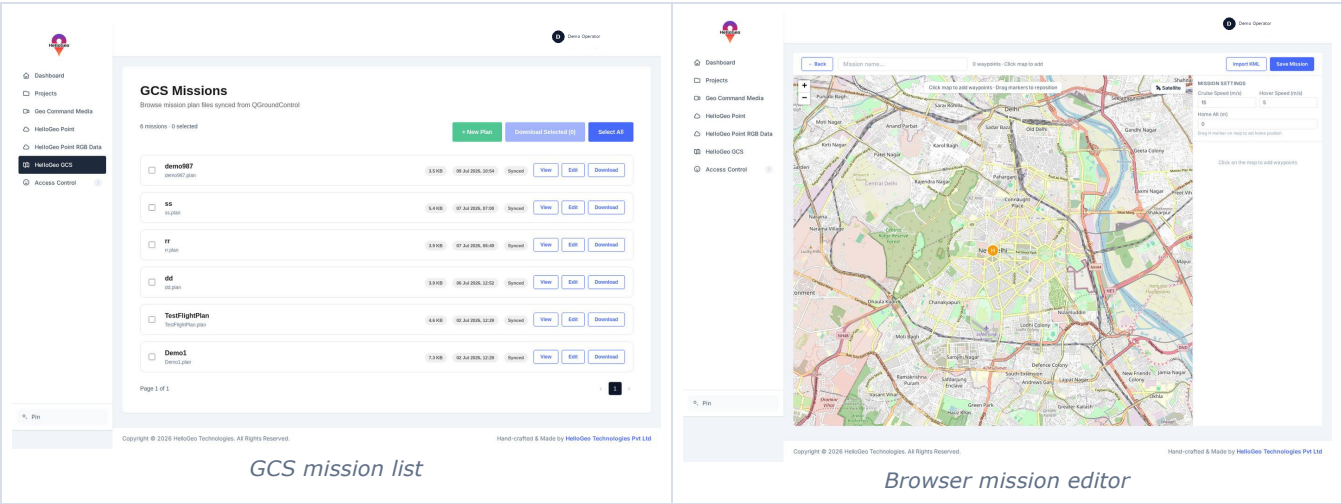
KML drawing and export tool

- 27. **Record** - Create a title, date/time and operational goal.
- 28. **Draw** - Use the map to define the survey boundary or flight area.
- 29. **Verify** - Confirm coordinates, geometry, customer boundary and current site constraints.
- 30. **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.
-----------------	---

Manage HelloGeo GCS missions

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



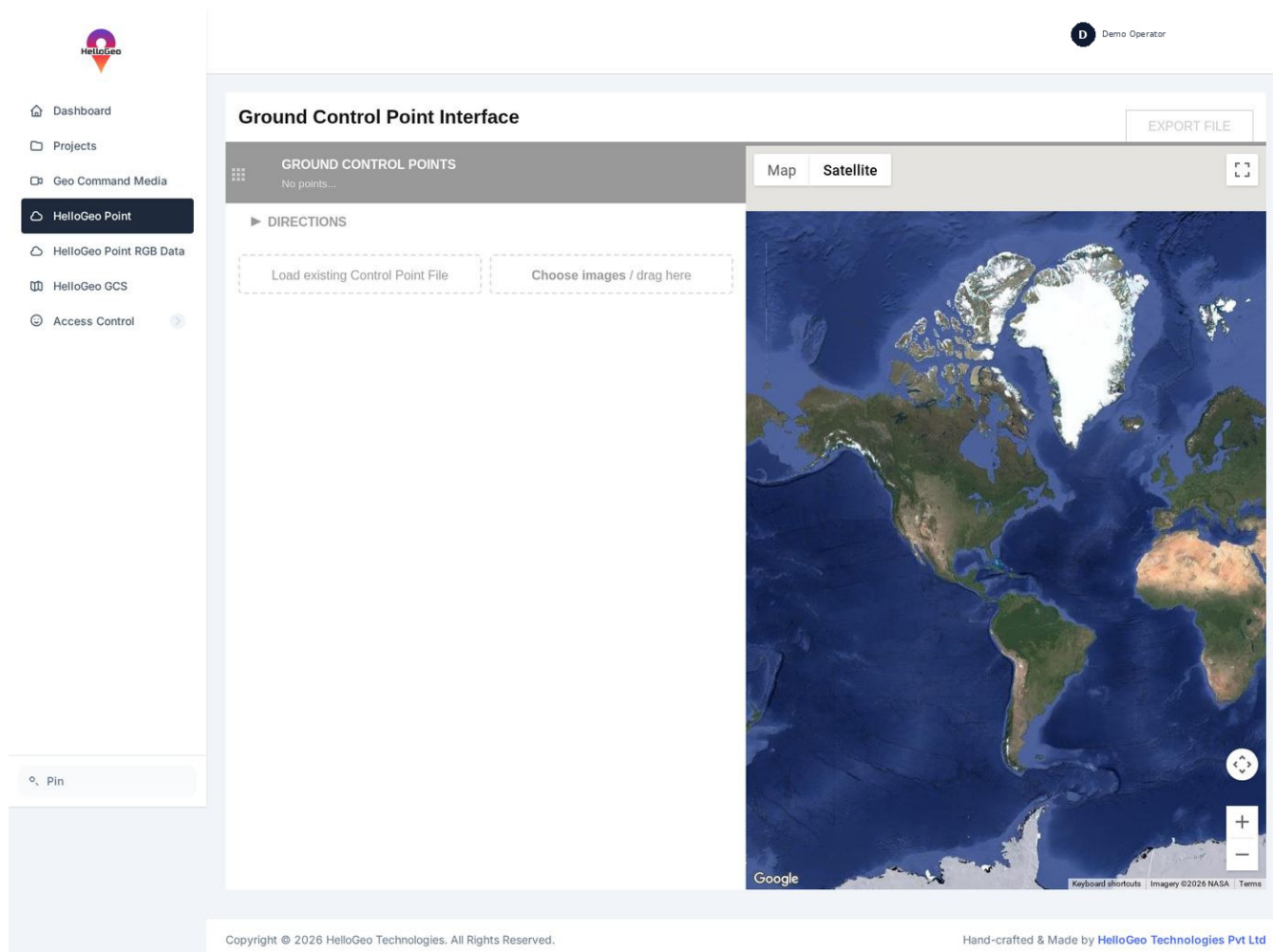
- 31. **List** - Review file name, size and last synchronization time.
- 32. **Open** - View or edit the intended mission; avoid changing a deployed plan without control.
- 33. **Create** - Use New Plan to add waypoints and mission-wide speed/altitude.
- 34. **Download** - Export a controlled revision 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.

35. **Load** - Import the approved control point file or create points against images.
36. **Locate** - Match the field point on map/satellite and the exact image feature.
37. **Enter** - Confirm coordinate reference, axis order, units and elevation reference.
38. **Review** - Check image marks, residuals and rejected points; retain independent checkpoints.
39. **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.

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

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

HD_178670442273.jpg

2.1 MB

22 Jul 2026, 09:41

Synced

Download

HD_178570442273.jpg

2.1 MB

22 Jul 2026, 09:41

Synced

Download

HD_1785470207100.jpg

2.1 MB

22 Jul 2026, 13:14

Synced

Download

HD_1785204440012.jpg

2.1 MB

22 Jul 2026, 13:14

Synced

Download

HD_1784622073340.jpg

3.3 MB

22 Jul 2026, 09:35

Synced

Download

HD_1784622087002.jpg

3.1 MB

22 Jul 2026, 09:35

Synced

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HD_1784622073304.jpg

3.3 MB

22 Jul 2026, 09:35

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Download

HD_1784622073458.jpg

3.3 MB

22 Jul 2026, 09:35

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HD_1784622073347.jpg

2.1 MB

22 Jul 2026, 09:35

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HD_1785009093001.jpg

100.4 KB

22 Jul 2026, 10:15

Synced

Download

HD_1785482023940.jpg

20.4 KB

22 Jul 2026, 09:35

Synced

Download

HD_1785482023950.jpg

20.4 KB

22 Jul 2026, 09:35

Synced

Download

HD_1782009093214.jpg

103.1 KB

27 Jul 2026, 09:35

Synced

Download

HD_1783353433708.jpg

819.4 KB

28 Jul 2026, 09:35

Synced

Download

HD_17830702070402.jpg

333.4 KB

22 Jul 2026, 13:17

Synced

Download

HD_17820712013940.jpg

288.4 KB

26 Jul 2026, 13:15

Synced

Download

HD_1782009091739.jpg

100.4 KB

26 Jul 2026, 13:15

Synced

Download

HD_1782009094407.jpg

100.4 KB

26 Jul 2026, 13:15

Synced

Download

HD_1782220073912.jpg

170.4 KB

26 Jul 2026, 07:12

Synced

Download

HD_1782007141398.jpg

170.4 KB

26 Jul 2026, 07:12

Synced

Download

Page 1 of 2

1

2

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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

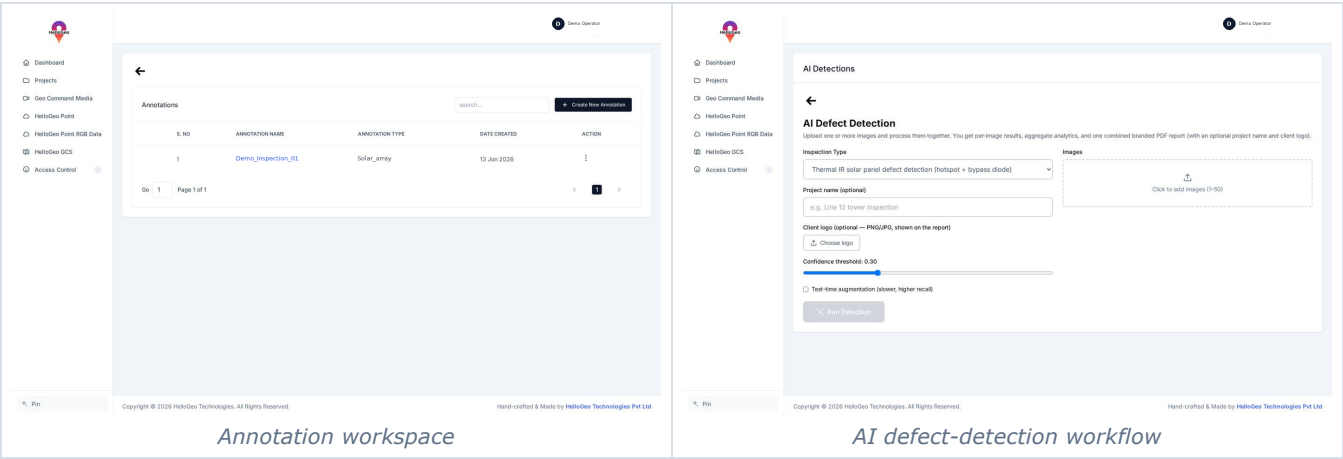
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CONTROLLED MASTER · CONTENTS

PAGE 15

Annotate data and run AI detection

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



- 40. **Define** - Choose the annotation or inspection type and acceptance criteria.
- 41. **Upload** - Use approved images with project, sensor and time context.
- 42. **Label** - Apply consistent classes and reviewer guidance.
- 43. **Run** - Record model/version and settings with the detection job.
- 44. **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.

Control users, roles and projects

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



Dashboard

Projects

Geo Command Media

HelloGeo Point

HelloGeo Point RGB Data

HelloGeo GCS

Access Control

Roles

Create New Role

ID	ROLE NAME	CREATION DATE	ACTION
1	GIS Analyst	12/5/2025	

Pin

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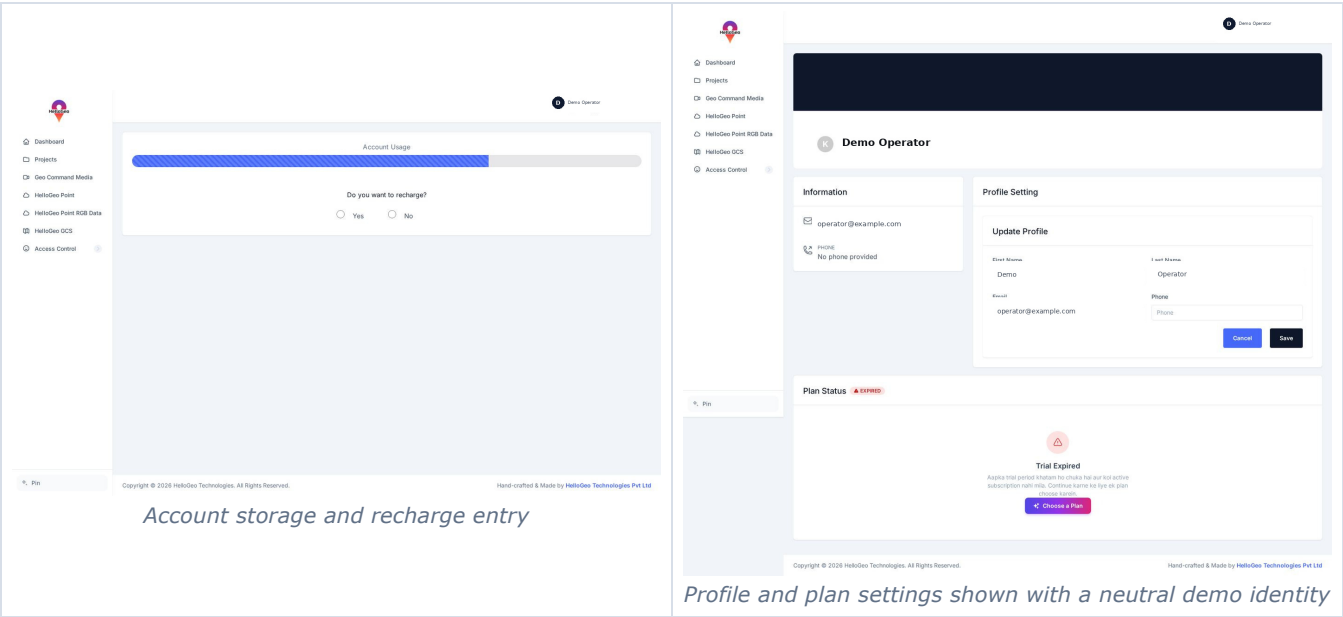
Roles and permission administration with a neutral training role.

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.
---------------	---

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.
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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.
----------	---

HELLOGEO SUITE / 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

45. For HelloGeo Suite, apply the stricter of the customer contract, site procedure, aircraft manual, national regulation and approved safety case.
46. Record the app version, operator, device/aircraft identity, UTC/local time, action, result and evidence location for safety- or customer-impacting activity.
47. Do not place passwords, license keys, signing credentials, private keys, personal data or unrelated customer data in support tickets or screenshots.
48. [ISO/IEC/IEEE 26514:2022 - information for users](#)
49. [ISO/IEC 27001:2022 - information security management](#)
50. [ISO/IEC 27701:2025 - privacy information management](#)
51. [ISO 22301:2019 - business continuity management](#)
52. [NIST Cybersecurity Framework 2.0](#)
53. [ISO/IEC 42001:2023 - artificial intelligence management systems](#)
54. [ICAO unmanned aviation guidance](#)
55. [WIPO Berne Convention](#)
56. [WIPO Copyright Treaty](#)

HELLOGEO SUITE / 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
Client	Approved browser and authenticated HelloGeo Suite tenant	Browser/OS, service build, role and upload test
Input	Deployment-approved imagery, LAS/LAZ, KML and .plan data	Format/size limits, CRS, source metadata and sample test
Output	Approved GeoTIFF/LAZ/map/report/export workflow	QA record, permissions, checksum and recovery location

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.
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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.
--------------------------	---

57. [HelloGeo website](#)
58. [HelloGeo Flight for Android \(licensed deployments\)](#)
59. [Email HelloGeo support](#)