

PRODUCT OVERVIEW FOR SURVEY

# Looq Platform

AI-Enabled Photogrammetric  
Hardware and Software



The Looq Platform is hand-held capture from the ground.

This is your one-stop for creation, visualization, analysis, collaboration, and integration to digitize the built-world.

Work fast and get accurate results for topographic mapping and modeling of transmission & distribution assets.

### Capture in Minutes

Make it easier and safer for your teams to gather data in less time and with fewer resources.

### Process and Analyze

Automatically construct high-precision, georeferenced, intelligent 3D models and 2D composite images from the field data.

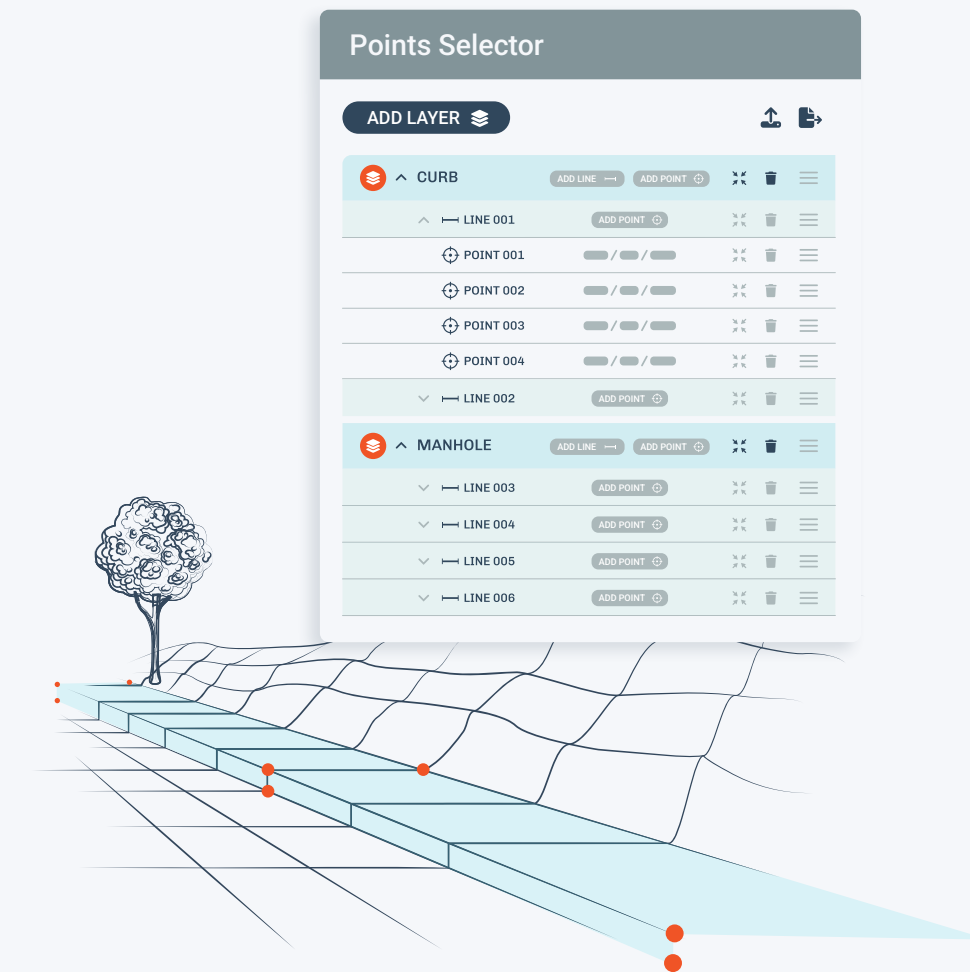
### View, Inspect and Share

Collaborate and gather insights and deliver this actionable data for downstream workflows.



The Looq Platform supports a wide range of surveying applications, including residential, commercial, and ALTA surveys; urban roadways and intersections; boundary, plat, and right-of-way documentation; subsurface and overhead utility surveys; oil and gas site surveys; and general surface and feature mapping.

The platform enables efficient capture and documentation of existing conditions across built, transportation, utility, and energy environments.



## Easy & Fast Capture

Capture in less time and with fewer resources with a hand-held photogrammetry camera, the qCam.

Superior spatial resolution and rapid data processing.

Easy setup and data collection.

IP67 dust and water resistant.



Survey-quality helical antenna  
GNSS+IMU unit  
Onboard CPU-GPU



20 MP  
270x150° Field of View  
Up to 100 MP/sec  
LED Smart strobe

## AI-enabled Processing

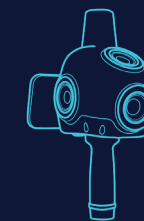
AI automatically constructs high-precision, georeferenced, intelligent 3D models and 2D composite images.

Integrates PPK GNSS corrections for precise geolocation. Auto base and upload base.

Segments and labels semantic and geometric features of critical assets.

Constructs high-accuracy 3D point clouds from images, not LiDAR.

GNSS accuracy 3-5 cm. Precision <1 cm.



Experience the Looq Platform  
[looq.ai/experience-video](https://looq.ai/experience-video)

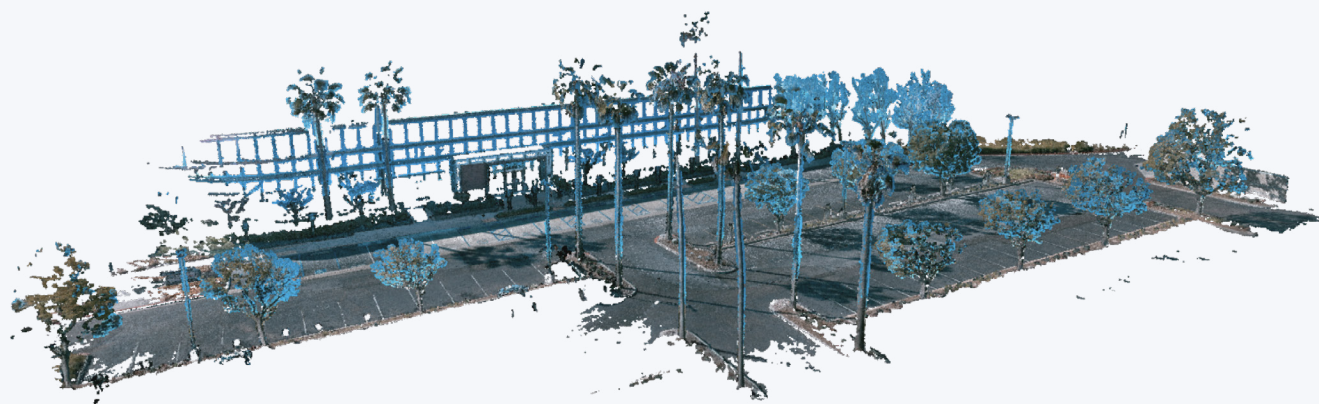
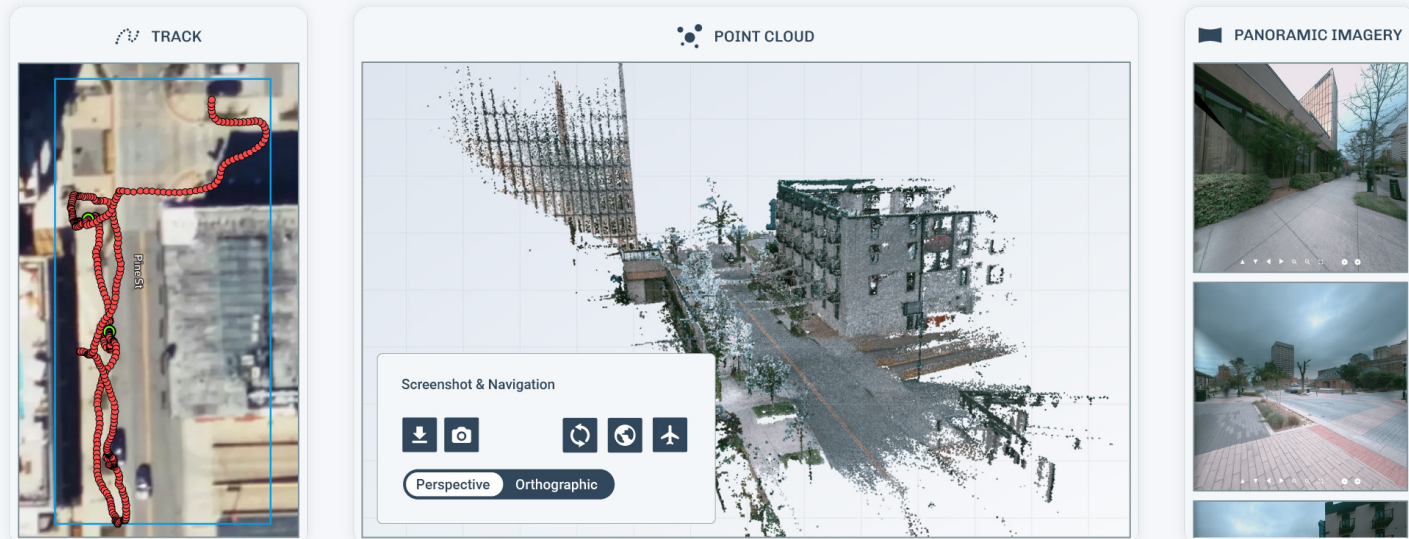


# Web Viewing & Collaboration

View, analyze, clean-up and hand-off topographic maps and survey as-builts with survey-grade accuracy (3–5cm, <0.15 feet) using the qApp.

## Processed Outputs & Reporting

AI reconstructed outputs include intelligent, high-resolution 2D datasets; panoramic and orthomosaic imagery; and 3D point clouds. And you can get a detailed PDF breakdown of your post-processing results, including solution type, estimated accuracies, and base stations used.



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## Delivering Survey-Quality Work

Improve capture and processing accuracy and efficiency including align to control & virtual survey capabilities.



### Align to Control

The high quality GNSS+IMU on-board the camera and post-processing corrections in the cloud provide precise positional accuracy for “out-of-the-box” models. Additional position refinement is available via ground control alignment and local base station corrections. Preview expected accuracy before running adjustments. Flag points as control or check, modify them, and see residuals instantly. Export a PDF report summarizing your results.



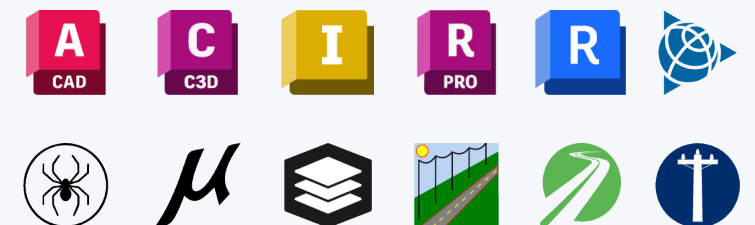
### Virtual Surveying Tools

Refine geometry, draft points and lines in 3D, assign field codes, and export clean, CAD-ready line work—all within the same streamlined workflow.

- Quickly and easily draft points and lines and monitor progress of the survey.
- Update settings: toggle on/off displays; hide labels; lock layers; change profiles; and import, export or add field codes.
- Select features on the point cloud, add associated codes.
- Visualize features as you create them and add, edit, and delete line segments. For instance select a curb and visualize the line as it is being created in 3D.
- View and edit existing and create new code libraries tied to your organization.

## Sharing Data

Export LAZ point clouds, orthophotos, panoramas, and capture tracks for AutoCAD Civil 3D, Autodesk ReCap, Trimble Business Center, TopoDOT, ESRI ArcGIS, and other surveying, engineering and geospatial tools.





Looq AI enables survey-grade 3D capture cost-effective at scale helping users safely and efficiently deliver spatial intelligence for the built world.

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