HEXAGON | Leica GEOSYSTEMS

Livelink workflow

A cloud-enabled collaboration capability built into Leica Cyclone FIELD 360, Livelink synchronizes scans from the Leica RTC series to Hexagon GeoCloud, connecting field and office teams throughout the entire laser scanning project lifecycle.

Capture

Scan on site

Operators scan with the RTC series scanners. Visual and inertial data supports fast setup verification.

Connect

Sync to cloud

Cyclone FIELD 360 automatically synchronizes scan data and metadata to the shared Livelink scene.

Collaborate

Work together

Field and office teams gain live visibility of progress, coverage, and completeness in real time.

Step-by-step workflow

1 Create a Livelink scene

Within Cyclone FIELD 360, create or select a project in GeoCloud, add team members, and activate a Livelink scene as the shared workspace for all collaborators.

2 Connect scanner and app

Pair the RTC series laser scanner with Cyclone FIELD 360. Once the project is active, captured scan data and related metadata become eligible for synchronization into the shared Livelink scene.

3 Start scanning as usual

Operators scan normally. Each scan is added to the Livelink scene, tracking progress across all devices and operators with no change in scanning behavior required.

4 Automatic synchronisation

Preview data and metadata sync to the cloud, giving office teams visibility of project progress without waiting for full data transfers.

5 Collaborate with live data

Field and office users access the same Livelink scene to monitor coverage, review scan positions, add annotations, and support decision-making during acquisition.

6 Complete and export

Scanning continues until the shared Livelink view confirms coverage objectives are met. Scene data can be transferred to for further post-processing to Cyclone REGISTER 360 PLUS or shared via GeoCloud link.

Data enrichment and surveying

Using Cyclone FIELD 360, operators can enrich project data directly on site, capturing geo-referenced measurements and verifying control points within the same environment. All results are synchronized and traceable, keeping reality capture and surveying deliverables aligned throughout the project lifecycle.

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