FARO + SpatialAnalyzer → Digital Twin

For Shay | Triton • GO3D technical integration • 03 Nov 2026

Small scan area: transformer bus connections. Site location and tolerances pending. The public twin is VIEW-ONLY; send utility scans only by an approved secure transfer.

01 Save the full master

Save the native SpatialAnalyzer job (.xit64 preferred for dense data), source FARO scans and referenced files.

02 Add an interoperable copy

PTX export from SpatialAnalyzer if available. E57 from FARO SCENE if available. Keep both source and export.

03 Record the context

Confirm units, coordinate frame, registration, control, scan date, location and required deliverables.

04 Run the packager

First choose No for a quick local file list. Full checksums and optional packaging can come later.

What to include

Required: native SA .xit64 job; source FARO scan/project files; all external references; registration/QC report; basic site and coordinate notes.

Useful: PTX exported from SpatialAnalyzer; structured or registered E57 from FARO SCENE; panoramic photos; control targets; a few verified dimensions.

Do not: downsample, crop away, re-register or rename the only master data set. Smaller review copies are acceptable in addition to the original.

Run the Windows handoff script

1. Keep START-TRITON-HANDOFF.cmd and Prepare-Triton-SA-Handoff.ps1 in the same folder.

2. Double-click START-TRITON-HANDOFF.cmd; select the ORIGINAL scan folder.

3. Choose No for a quick file list. Choose Yes only when a full archive with checksums is approved. The output folder opens automatically.

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DOUBLE-CLICK:  START-TRITON-HANDOFF.cmd  →  SELECT:  Scan folder  →  TAR?
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Review the script before running. The launcher uses a process-only PowerShell setting; the TAR is not encrypted.

Output File list, summary and START-HERE.txt. Full SHA-256 checksums and uncompressed TAR when Yes is chosen. Nothing is uploaded or modified.

After secure intake is connected, GO3D can generate draft CAD/BIM. Verified dimensions, fits and electrical clearances still require engineering review.

Three things to confirm

1 Site + consent Location: _____ GO3D processing approved? ☐ Yes ☐ Confirm

2 Geometry + QC Bus bars / connectors / supports? Units/frame: _____ Registration report? ☐ Yes ☐ No

3 Deliverable STEP / DWG / IFC / Revit / other: _____ Tolerance + verified dimension: _____

Software references (clickable)

SpatialAnalyzer 2024.1 user manual (.xit / .xit64)

Hexagon: SpatialAnalyzer E57 import / PTX export

FARO: SCENE supported export formats