

DIGITAL · AS-BUILT INTELLIGENCE

BIM & 3D Modelling



Scan-to-BIM, point cloud processing, plant modelling, and digital twins — transforming laser-scan data from oil & gas facilities, airports, and industrial plants into accurate 3D models in AVEVA E3D, AutoCAD Plant 3D, and Revit for asset management, engineering, and facilities operations.



Since 2004 · Trimble X7, SX10, TX8 · AVEVA E3D · Plant 3D · Revit & Navisworks · LFM Server

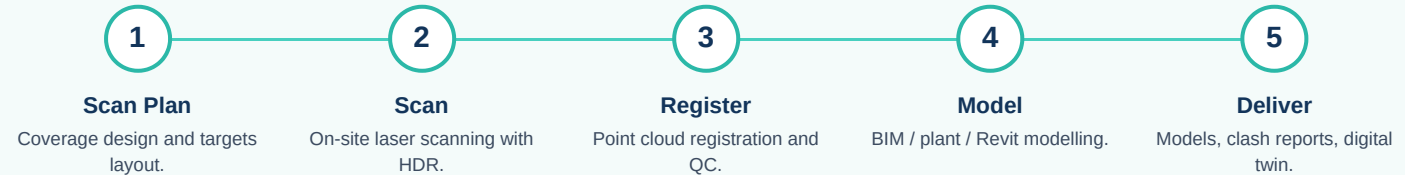
From point cloud to design-ready 3D model.

Vision International provides end-to-end **3D laser scanning and BIM modelling** — using Trimble SX10, X7, and TX8 scanners to capture as-built conditions at KOC, KNPC, KIPIC, and other industrial facilities, then processing the point clouds into accurate deliverables in **AVEVA E3D, AutoCAD Plant 3D, Revit, and Navisworks**. Our BIM team serves owners, EPC contractors, and facilities managers requiring **verticality surveys, tank calibration, shutdown planning, clash detection, retrofitting design, and digital twin** workflows.

 <p>3D Laser Scanning Trimble X7, SX10, SX12, and TX8 — automated registration, HDR imagery, and millimetre accuracy.</p>	 <p>Point Cloud Processing Registration, cleaning, decimation, and delivery in RCP, E57, LAS formats for downstream modelling.</p>	 <p>Plant 3D (AVEVA, Plant 3D) Intelligent plant modelling with pipes, structures, equipment, and instrumentation for O&G facilities.</p>
 <p>Revit & Architectural BIM Revit architectural, structural, and MEP modelling for buildings, airports, and infrastructure projects.</p>	 <p>Verticality & Calibration Tank verticality, silo calibration, and dimensional control for KNPC-grade industrial asset audits.</p>	 <p>Digital Twins Integration of 3D models with real-time sensors, asset databases, and facilities management systems.</p>

HOW WE WORK

From Scan to BIM-ready Asset



Need an accurate as-built 3D model of your facility?

Laser scan campaigns mobilized on 10-day notice · Deliverables in AVEVA E3D, AutoCAD Plant 3D, Revit, Navisworks

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Full BIM & 3D Modelling Offering

Trimble Laser Scanners

AVEVA E3D Certified

Autodesk Partner

KOC 3D Smart Model

LASER SCANNING

- Trimble X7 indoor & outdoor scanning
- Trimble SX10 / SX12 scanning total station
- Trimble TX8 long-range laser scanner
- Mobile laser scanning (MX9, MX50)
- HDR imagery and colorized point clouds
- Ground control and target deployment
- As-built verification against design

POINT CLOUD PROCESSING

- Trimble Business Center processing
- Trimble RealWorks registration
- AVEVA LFM Server hosting and publishing
- Point cloud decimation and classification
- RCP, E57, LAS, POD format delivery
- Bubble-view panoramas
- Cloud point streaming and collaboration

PLANT & INDUSTRIAL 3D

- AVEVA E3D intelligent plant modelling
- AutoCAD Plant 3D piping and structures
- Equipment and instrumentation catalogues
- Clash detection and design review
- Shutdown and retrofit planning
- KOC 3D smart model integration
- Pipe routing and isometric generation

BIM & DIGITAL TWIN

- Revit architectural BIM
- Revit structural and MEP modelling
- Navisworks coordination and clash
- Scan-to-BIM with LOD200–LOD500
- Dynamic digital twin integrations
- Facility management data linking
- VR/AR visualization of 3D models

The Vision Difference — Why Clients Choose Us



Integrated Delivery

Field crews, senior engineers, and accredited ISO 17025 laboratory under one roof — no hand-off delays, no subcontractor gaps.



Engineer-Led Reports

Every deliverable is signed by a senior chartered engineer — findings interpreted for design, not delivered as raw data.



Schedule-Driven

Owned equipment, owned laboratory, owned teams. We hit tight oil & gas, MPW, KOC, and EPC schedules — every time.

Sectors We Serve

Oil & Gas

Infrastructure

Marine & Ports

Buildings & Towers

Industrial

Government

2004

ESTABLISHED

2000+

PROJECTS DELIVERED

4

ISO CERTIFICATIONS

Kuwait

& GCC COVERAGE



Vision International General Trading & Contracting Co. W.L.L.

Established 2004 · Kuwait-based · GCC delivery

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