



Corporate Data

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About Us

Quantum Reality Capture, LLC is a geospatial & architectural services firm specializing in LiDAR scanning, reality capture, & digital modeling. The company provides high-accuracy spatial data solutions that support infrastructure planning, engineering design, construction, and facility management. Using terrestrial and aerial scanning, photogrammetry, and drone technologies, Quantum Reality Capture delivers BIM-ready models, CAD drawings, and digital documentation that improve accuracy, reduce field time, and support efficient project execution for government and commercial clients.

Past Performance

Large Public Transportation Facility

Details: Full LiDAR scanning and BIM modeling completed without disrupting operations.

Multi-Building Campus Documentation

Details: Interior scanning and rapid floor plan delivery across multiple occupied facilities.

Large-Area Site & Infrastructure Mapping

Details: Aerial LiDAR and photogrammetry used for site planning and engineering design.

Core Services

- LiDAR Scanning & Reality Capture
- Aerial & Drone Photogrammetry Services
- 3D Modeling & Digital Twin Creation
- BIM & CAD Deliverables (Revit, AutoCAD, Navisworks)
- Architectural As-Built Documentation
- Surveying & Geospatial Mapping
- Facility Documentation & Site Analysis
- Building Inspection & Condition Documentation
- Construction Progress & As-Built Verification
- Virtual Tours & Digital Visualization

Differentiators

- Converts real-world environments into high-accuracy digital models and datasets.
- Integrates LiDAR, drone, and photogrammetry for complete site capture solutions.
- Provides BIM-ready deliverables for direct use in engineering workflows.
- Delivers rapid turnaround including 48-hour floor plan production after scans.
- Captures complex and occupied facilities with minimal operational disruption.

