



ASSET DIGITIZATION

Cost and Time SAVINGS = COMPETITIVE ADVANTAGE

Problem: What may be causing you inefficiencies?

- "How many times have you received outdated plans or wasted time on manual measurements?"
- **Common Challenges:**
 - Measurement errors and inconsistent plans ✕
 - Rework and additional costs 🗑️
 - Inefficient team coordination 🔄
 - Prolonged information collection times ☐

Our Solution: Asset Digitization with 3D Scanning and Reality Capture

- With 3D laser scanning and reality capture, we obtain a precise digital model of any space, eliminating errors and reducing work time.
- What Do We Get?
 - High-precision 3D models 🔍
 - Accurate and accessible documentation 🔍
 - Ready-to-use data for design, construction, and management 📊

Structural Integrity Reserve Study: The Answer

- **Our 3D laser scanning can effectively detect surface cracks, particularly on structures like concrete buildings, bridges, and pavements, by capturing detailed 3D surface geometry and identifying deviations caused by cracks, allowing for precise measurement and analysis of their size and location; making it a valuable tool for non-destructive inspection and structural health monitoring.**

Real Time Applications in Civil Engineering:

- **The following video shows a 3D model or Point Cloud resulting from a 3D scanner. On this video, precise measurements are taken real time to show one of the many applications of the end product.**

Link available, please check.



Key Benefits:

✓ Cost and Time Savings

- Reduces rework and waste ✓
- Fewer site measurement visits ✓

✓ Millimeter Precision

- Models without human errors ✓
- Exact information for accurate decisions ✓

✓ Better Team Coordination

- Architects, engineers, and designers work with the same data ✓
- Avoid on-site discrepancies ✓

✓ Remote Access and Efficient Management

- Measure any part of the project from your computer ✓
- Long-term asset management ✓



TECHNOLOGY APPLICATIONS

Link available, please check.








CASE STUDY: HISTORICAL MUSEUM

Link available, please check.



Historical Society: City of Deerfield Beach

- The city of Deerfield Beach is looking to remodel their Historical Society.
- With 3D laser scanning and reality capture, a precise digital model of the space was created in order to create true as-built conditions, dimensions, and plans of the site, and receive point clouds, 2D CAD drawings and 3D BIM models.
- What Did The City of Deerfield Beach Get?
 - High-precision 3D models 
 - Accurate and accessible documentation 
 - Ready-to-use data for design, construction, and management 

🎯 If you want to:

Quickly capture precise existing site conditions

Improve planning with dimensionally accurate datasets

Receive precise as-built drawings and BIM models

Identify clashes between design plans and existing structures

Reduce project risks, change orders, delays, and costs, let's talk about how our solution can help you. ☎

Schedule a free consultation today ✉



THANK YOU!