CODEFOUR

CAPABILITIES DECK

DECEMBER 2020

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Our Services

AGENCY

Graphic Design
Project, Account & Event Management
Digital Marketing
Campaign Strategy & Execution
Event & Experiential Design
3D Rendering
CAD, VR & AR
Photography & Videography
Video Production
Site Planning, Layout & As-Built Creation
Interior & Architecture Design
Wayfinding Programs
Custom Furniture & Fixture Design
Fabrication Drawings & Material Specifications
Grand Scale LIDAR Scanning

EXPERIENTIAL

Event Ideation Design & Execution

Event Registration

Conference Management

Custom-Built Experiential Activations & Displays

Technical Drawings, CAD & Advanced Planning

In-House Audio, Video, Lighting, Staging & Scenic

Site Scouting & Site Management

Permitting & Municipal Management

Talent Acquisition & Management

Security Services & Risk Mitigation

Assessment Planning

FAA, TRACON & Homeland Security Management

Full-Service Event Production Management

TECHNICAL

Technical & Engineering Consulting
Audio Visual System Design & Integration
Building Systems Integration
Large-Scale IT & Network Deployments
3D Scanning
Application Development
Custom-Built Web & IT Solution
Projection & Content Mapping
Custom Digital Signage Solutions
Content Management Systems
Artificial Intelligence & Data Analytics

PRINT

Grand Format Digital Printing
Banner, Mesh, Decal, Fabric & Direct to Substrate
Dye Sublimation Printing
Complete In-House Sewing/Finishing Shop
Textile Printing
Silicone Edge Graphics (SEG)
Vehicle, Truck & Van Wraps
Window, Floor & Wall Graphics
Interior Wall Murals
Wayfinding Signage
Posters

FABRICATION

Grand Format Fabrication
Custom Extrusion Fabrication
Laser Engraving & Cutting
CNC Routing, Cutting & Carving
Trade Show Booth Construction
Full Welding & Fabrication Shop
HD Plasma Cutting

3D Rendering

3D RENDERING HIGHLIGHT REEL

WATCH VIDEO



















Laser Scanning

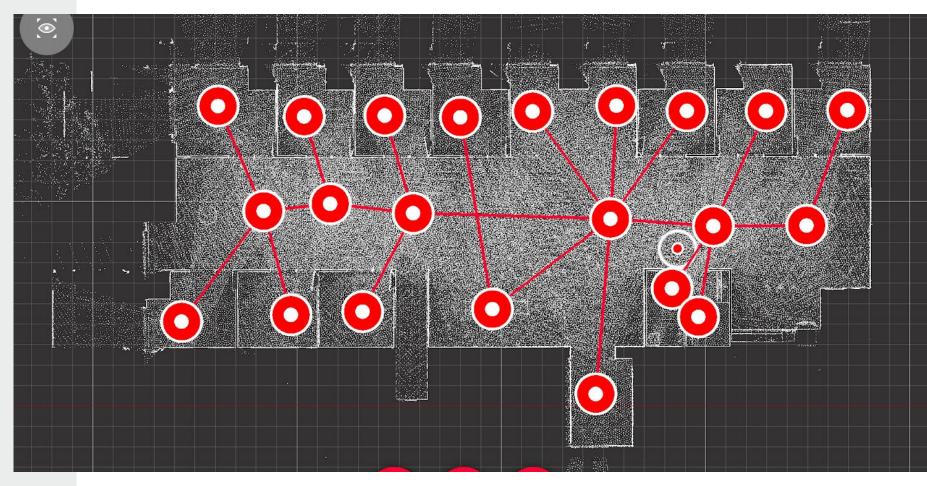
Laser Scanning Capabilities





High-Speed Scanning

- HDR scanning takes less than 3 minutes per scan
- Link scans on-site to help to cut down the time spent stitching scans together in post-production
- Data tagging options are available for geolocation and comments during on-site visit

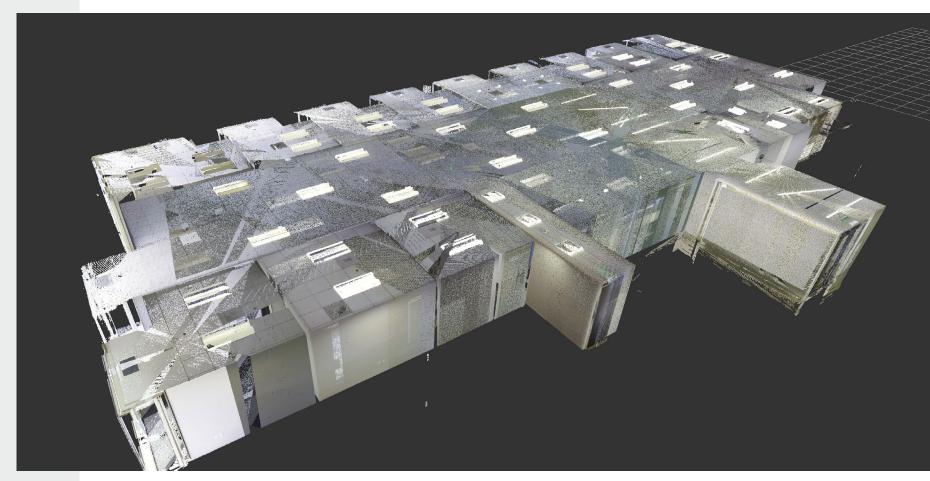


Raw point cloud with red dots that indicate where the scanner stood.



360° HDR Imaging

The 36MP 3-camera system can capture up to 432 MPx raw data for spherical imaging.

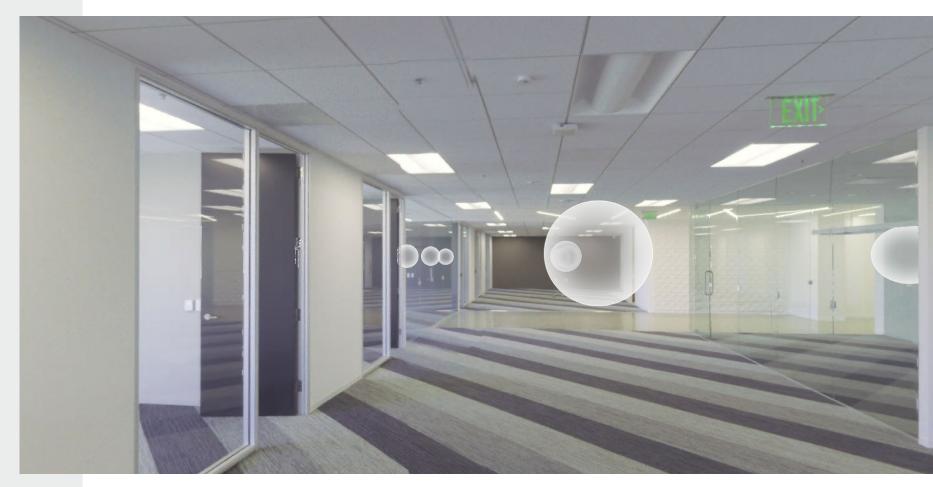


Raw point cloud data of entire space.



Field Measurements

Site scan data is accessible through a software based viewer. Move around between scans taking measurements and reviewing of HDR imagery.



HDR image of space with white circles representing where the scanner stood.



Mesh Point Cloud Data

- Capable of scanning 2 million points per second, taking less than 2 minutes per scan
- Accurate within 1/8" at 130'



Point cloud data imported into 3D software.



High-Quality Deliverables

Raw data can be published in a multitude of formats including: E57, LGS, RCP, LAS, JPG/EXR Panorama Images, SKP, DWG, DXF, FBX, OBJ.

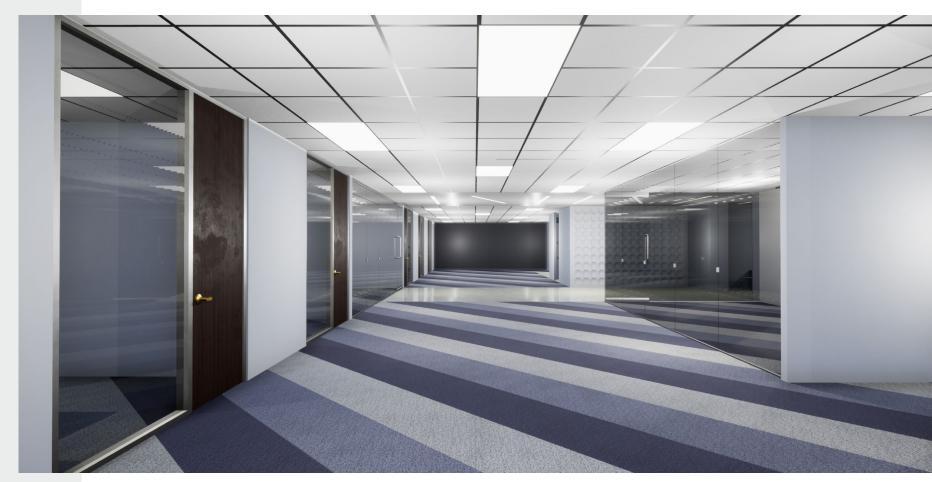


Sketchup file of the space.



Image Processing

Our creative team takes the scanned data and produces accurate 3D models of any space.

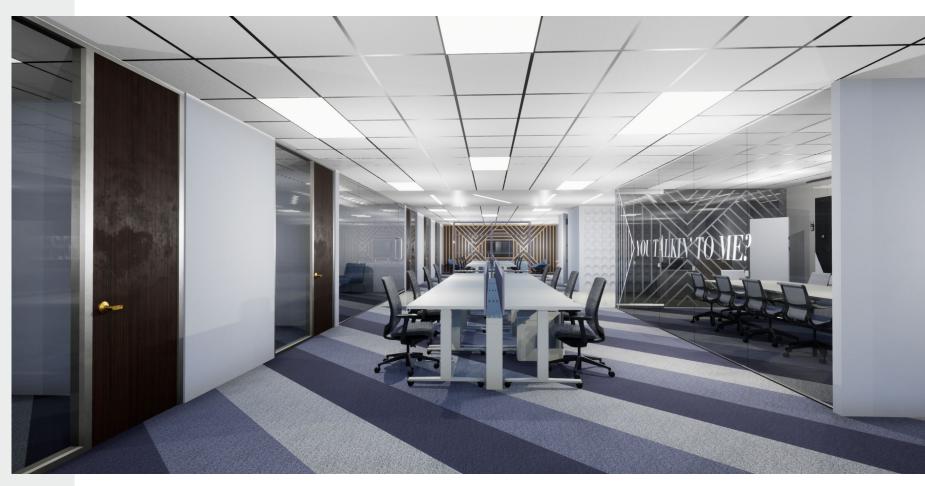


Real-time rendering software image of the space.



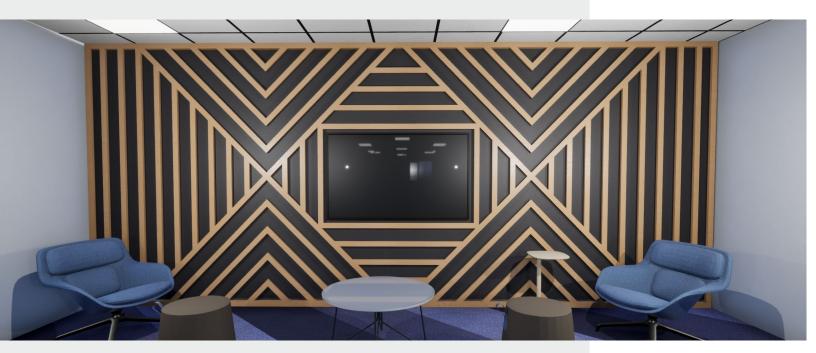
Renderings

After polishing the 3D space to scale, we help you visualize the space. We'll take you on a tour of the newly generated space to ensure the quality and design matches your vision.



Completed furnished interior design in 3D rendering.











Utility of Scan Data

SAVE TIME ---- REDUCE COST ----- IMPROVE ACCURACY

- Reduces cost from your architect by capturing accurate as-built conditions.
- Helps to streamline the production of accurate as-built drawings.

- Allows a project to move from concept to construction drawings much more quickly.
- Reduces survey and travel costs by capturing everything up front.

- Eliminates timeline delays for missed measurements and the need to field verify.
- Improves survey accuracy ensuring accuracy of CD's and deliverables.

CODEFOUR

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