



3D LASER SCANNING SERVICES

3D LASER SCANNING IS THE SOLUTION

3D laser scanning is the most effective solution for measuring and documenting the existing conditions of any environment. TruePoint is a leading provider of 3D laser scanning services, helping clients successfully complete their most complex engineering and construction projects with accurate as-built documentation.

TruePoint uses the most efficient scanning methods and industry-leading Leica laser scanners to capture millions of data points of a structure or site. A team of in-house CAD designers produce custom deliverables, ranging from point cloud data to 2D drawings and 3D models. Laser scanning is an asset that provides value throughout the planning, design and execution phases of any project.

HOW DOES IT WORK?

3D laser scanners use LiDAR technology to collect measurements, which can be used to create 3D models and maps of environments. TruePoint technicians place laser scanners in multiple positions around a site and take individual scans from varying viewpoints. Millions of data points are captured and processed into a point cloud, creating an accurate data set of the structure or site. This method is fast, accurate and reliable.

WHAT ARE THE BENEFITS?

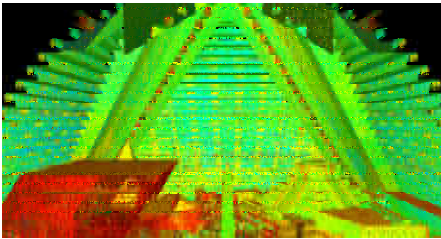
- Complete documentation of as-built conditions
- Precise, high speed data collection
- Dimensionally accurate, measurable and shareable data sets
- Fast turnaround of project data
- Decreased disruption of project environment
- Minimal operational shutdowns
- Reduced need for site revisits
- Safe solution for inaccessible or hazardous locations
- Reduction in change orders, delays and costs

At TruePoint, we possess the passion, resources, experience and capabilities to provide a complete range of 3D laser scanning services. We are dedicated to providing clients exceptional service and can mobilize to any location quickly.

3D LASER SCANNING ACCURATELY DOCUMENTS EXISTING CONDITIONS TO ASSIST IN DESIGN PLANNING, REDUCE ERRORS AND IMPROVE EFFICIENCY.

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As-Built Documentation

Accurate, measurable and sharable existing conditions data is invaluable in design, construction, renovation, prefabrication and facility modifications.



Construction Laser Scanning

Complete documentation of existing building and MEP features can be achieved with laser precision, expediting timelines and reducing change orders and costs.



Oil and Gas

Refineries, process areas and distribution facilities can be documented, including structural and MEP features; equipment and piping down to 1/2 inch diameter.



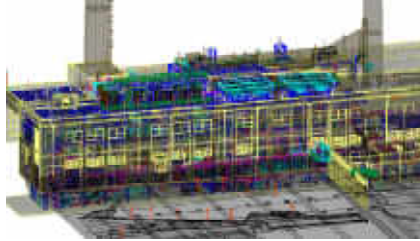
Water Treatment Plants

Document 40 MGD to 1 BGD water and wastewater treatment plants, including foundations, structural and MEP features, equipment, conduit and piping down to 1/2 inch diameter.



BIM Modeling

Point cloud data is used to develop intelligent BIM models, giving AEC professionals the ability to effectively plan, design, construct and manage projects.



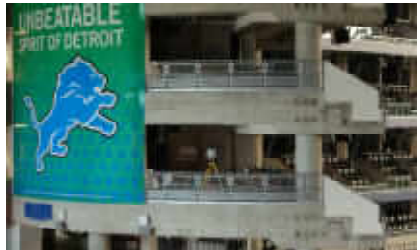
Power, Process, and Plant

Accurately document and create intelligent BIM models of existing structures, equipment, utilities and processes to plan for relocation, modernization and enhancements.



Historical Documentation

Creating accurate as-built models or drawings of historical buildings, architecture and objects is a quick non-invasive process with 3D laser scanning.



Stadiums and Theatres

Point cloud data and highly accurate 3D models can be delivered for structure and space to aid in design, planning and development of renovations.

TruePoint®

3D LASER SCANNING SERVICES

3D Laser Scanning Services

- As-Built Documentation
- Architectural Documentation
- Chemical & Petrochemical Plants
- Commercial Sites
- Construction
- Health Care
- Historical Documentation
- Industrial Facilities
- Manufacturing & Assembly Facilities
- Office Buildings
- Oil & Gas
- Overhead Clearances
- Process Plants
- Power Plants
- Pharmaceutical
- Projection Mapping
- Residential Sites
- Schools and Universities
- Stadiums, Arenas & Theatres
- Space & Aeronautics
- Telecommunications
- Water & Wastewater Treatment Plants
- 3D Gaming & Software Development
- 3D Projection Mapping

Customized Deliverables

- Point Cloud Data (Raw Data)
- 2D CAD Drawings
- 3D Non-Intelligent Models
- 3D BIM Models
- TruView
- Fly-Thru's - 3D Virtual Tour of Model
- Template Modeling
- Reconciliation of 2D Design Drawings
- Reconciliation of 3D Design Model
- Comparative Analysis
- Point Cloud Modeling Webinars
- Deformation Analysis
- Floor Flatness Analysis
- Contour Mapping
- Volume Calculations
- Structural Steel Probability Analysis
- Wall Plumb Analysis
- Aerial Photogrammetry
- New Construction Accuracy Analysis
- Comparative Analysis
- Digital Drawings of GPR Markings