



*3D Solutions*

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## WHO ARE WE?

**Haag 3D Solutions** provides laser scanning and 3D imaging services to a multitude of industries and professionals. Our Team is one of the leaders in the laser scanning and 3D imaging industry. Our management team has over 30 years of survey and laser scanning experience on projects of all sizes and complexities. To date we have scanned over 75 million square feet of interior and exterior surfaces. We have a staff of over 30 technicians making us one of the largest laser scanning and 3D imaging companies in the industry. Our team works to continually improve and expand laser technology and 3D imaging applications.

## WHAT DO WE DO?

3D laser scanning is a safe, non-contact form of measurement and documentation using a high speed laser scanner. The data gathered is called a “point cloud”. Point clouds are precise measurements with x, y, z coordinates. The laser and integrated digital camera, capture surface shapes, details and geometries. The images are overlaid onto laser points, creating a photo-realistic three dimensional image. Once the data is consolidated, deliverables can easily be produced such as: 3D models, BIM, virtual tours and interactive spherical photography. The point cloud data can be imported into a multitude of technological platforms.

## WHAT MAKES US DIFFERENT?

What we do with the data is what sets us apart. We customize our end product to meet our customers specific needs. Our end product ranges from point cloud data to 3D models to interactive and intelligent geospatial virtual tours.

## HOW CAN WE HELP YOU?

We know each project is unique and requires a customized deliverable. Our team will work with you to understand the goals of your project, establish time-lines and coordinate with design and project teams to determine the type of deliverable that best meets your needs. As a service to our valued clients, we provide training and education to your team as they learn to work with point cloud data and modeling technology.

## CONSIDER 3D DOCUMENTATION FOR:

- 3D modeling
- 3D laser scanning
- Heritage surveys
- As-Built documentation
- Site planning
- MEP planning
- AEC coordination
- Architectural design
- Deformation analysis
- Structural engineering
- Clash detection
- Reverse engineering
- Incident documentation
- Asset management
- Above ceiling scans
- Documenting construction progress
- Site plans
- Floor plans
- Sections
- Elevations
- Topography
- Details of existing features
- Façade analysis & installation
- Mechanical integrity
- Virtual construction/BIM
- Virtual tours/ photography
- 4D visualizations & animations

## INDUSTRIES SERVED:

- AEC
- MEP
- Design firms
- Insurance
- Commercial real estate
- Manufacturing & distribution facilities
- Animal habitats
- Oil & gas
- Incident documentation
- Pitts/quarries / tunnels/mining
- AEC - Architectural Engineering Construction
- MEP - Mechanical Electrical Plumbing
- Steel structures
- Scientific & laboratory space
- Warehouses/ manufacturing/ industrial
- Hospitals/ medical facilities
- Education/college/ university/school
- Mechanical
- Historic/heritage
- Petrochemical
- Aviation/aerospace
- Transportation



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