3D Laser Scanning

Pointing you in the right direction

3D Laser Scans are quickly becoming the most cost efficient and accurate method of surveying as-built conditions of existing structures and surfaces.

Laser Scanning is a method of high accuracy and definition survey used to map and capture details of an entire scene around the scan station. Continuous laser beams are used to scan the surface of an object or a scene in order to record three-dimensional information of its surroundings. The results are a very precise 3D model of the scanned area called a Point Cloud.

Can-Am offers services for the entire Laser Scanning workflow including data acquisition, data cleaning and generating deliverables viewable on many common plant design software packages. The scanned information can also be accurately georeferenced to any geodetic coordinate system.

Benefits

- Quick surveys result in lower cost as-built
- Reduction or elimination of new visits to the surveyed area
- Point Cloud can be used later for new measurements
- Short project workflow
- Faster results
- High definition and detailed surveys
- Safer data capture
- Indoor and outdoor surveys
Services

- Detailed topographic maps
- Construction sites
- Volume calculation
- Measured building surveys
- Post construction scans for facility management
- Deformation and monitoring survey
- Underground mining and others as-built
- Heritage and Archaeology
- Pipe and any industrial plant space
- Wire frame and surface models
- Fly-throughs
- Drawings created from the Point Cloud

Using Laser Scanning goes beyond the high accuracy of the Point Cloud. It also adds quality, accuracy and cost effective services to your projects. Our dedicated team makes use of the most advanced applications and technology in our industry to help you streamline your projects.

Please contact us for more information or to schedule a demonstration of how 3D Laser Scanning may benefit you.