GeoVerra

3D Scanning / Services and Technology

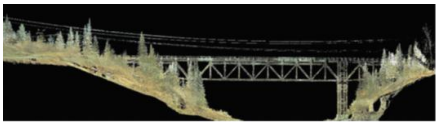
GeoVerra focuses on providing efficiency not only in the field while collecting data, but also in the office, combining highly qualified people, powerful software, and a strong QA/QC process.

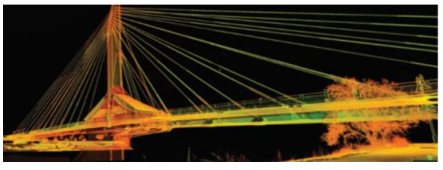
If it's visible, it can be scanned and modeled with High-Definition Surveying (HDS) Laser Technology. 3D laser scanning captures highly accurate detail in a fraction of the time it takes using conventional survey methods. This unobtrusive survey is safe, thorough and cost-efficient; reducing facility downtime, and return visits to the site.

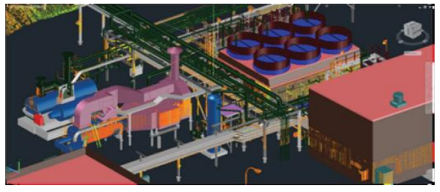
3D Scanning Services

Utilization

- As-Built Surveys of Oil and Gas, Civil and Mechanical Installations
- High-Definition Surveys of Plant Sites and Compression Installations
- Infrastructure and Transportation
- Construction
- Fabrication and Engineering
- Project Design and Planning
- Mining
- Measurements of Inaccessible or Unsafe Areas Quantity Surveys, Earthworks and Volumetric Reporting
- Objects and Architecture with Historic or Archaeological Importance
- Accident Investigation and Analysis







Deliverables

- 3D CAD, Revit, Navisworks models
- Contour plans
- Point cloud
- Surface Tin
- Elevation "heat" maps
- 3D PDF

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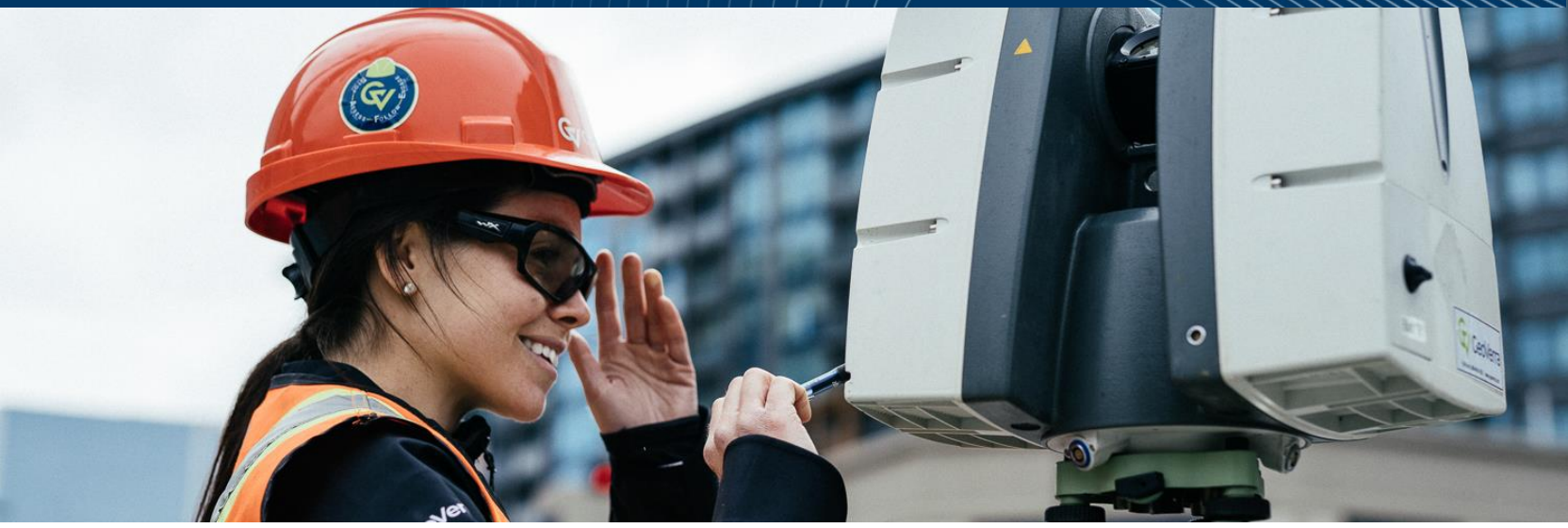

GeoVerra's highly experienced team uses the latest, most technically advanced 3D laser scanners and software on the market. What does this mean? Efficiency, accuracy and reliable deliverables.

3D Scanning Technology

Leica P-Series

- Type – Survey-grade Scanner
- Class of device – High-Definition Survey
- Target Projects – Surveying
- Main use – Outdoor and Indoors
- Typical project sizes – Large
- Main Characteristic – Versatility & Precision
- Scan Speed: 1,000,000 pts sec

Leica RTC360

- Type – 3D Laser Scanner
- Class of device – Reality Capture
- Target Projects – 3D Reality Capture
- Main use – Outdoor and Indoors
- Typical project sizes – Medium
- Main Characteristic – Performance & Productivity
- Scan Speed: 2,000,000 pts/sec

Leica BLK360

- Type - Imaging and Lidar Scanner
- Class of device – Documentation
- Target Projects – Architect and Design
- Main use – Indoor
- Typical project sizes – Small
- Main Characteristic – Simplicity & Portability
- Scan Speed: 360,000 pts/sec

Snoopy A-Series HDL-32E Velodyne

- Type – 3D Laser Scanner
- Class of device – Reality Capture
- Target Projects – Corridor and Open areas – To be used on aerial UAV platforms
- Main use – Outdoor
- Typical project sizes – Medium and Large
- Main Characteristic – Performance & Productivity
- Scan Speed: up to 1,390,000 pts/sec