

Mobile Laser Scanning can be used on a variety of applications that can be accessed with ground vehicles.

Corridors

- Signs
- Power poles
- Manholes
- Inlets
- Sidewalks/guardrails
- Pavement inventory/condition
- Fire hydrants/parking meters
- Tree size

Power Line Corridors (T&D)

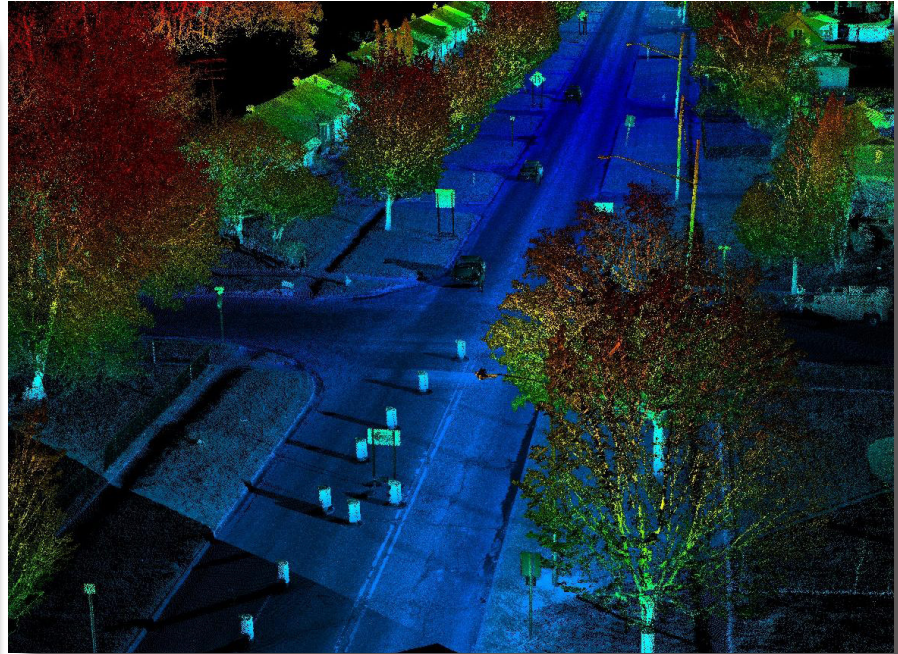
- Poles/lines
- Pole-mounted equipment
- Vegetation - topography
- Encroachments

Stationary Terrestrial Laser Scanning can be used to capture highly accurate and detailed data in areas where aerial or mobile scanning is not applicable due to obscured aerial or mobile accessibility limitations. Terrestrial Laser Scanning provides safe, quality, accurate and efficient, mapping of features for design purposes.

- Buildings/structures/bridges
- Topographic site surveys

Aerial Laser Scanning is most often used where large geographic areas need to be mapped. The amount of time required to map a site using an aerial LiDAR approach can be much less than when mapping the site using aerial photographs. Another advantage to aerial LiDAR mapping is the data can be collected day or night in almost any weather condition.

- DTM and contour mapping
- Electrical Transmission corridor mapping
- Flood mapping
- Volumetric calculations
- Emergency response plans



The laser scanning system known as LiDAR (Light Detection And Ranging), has provided a unique method for acquiring 3D data in the field and can be used for most design applications. This method allows data acquisition to occur under almost any weather condition, which allows for more flexibility in scheduling. Turnaround time of the completed mapping products is typically less than other methods of data collection.

Air-Land Surveys (ALS) provides LiDAR services in all three of its formats: Mobile Laser Scanning, Stationary Terrestrial Laser Scanning, and Aerial Laser Scanning.

Fast 3D collection of accurate and high resolution data, provides

the base mapping for a variety of applications: roadways, rail corridors, waterways, mines and quarries, ports and harbors, forest and agriculture, as well as extended urban and vacant areas.

With LiDAR as an available service option, ALS professionals provide the right solution that works best for each client. From traditional land surveying to aerial laser scanning, and everything in between, ALS has trained professionals who provide the service that best fits each project at high quality and standards.

We encourage clients to put our time-tested experience and cutting edge technology to work for their projects.



1.800.447.1627
www.airlandsurveys.com