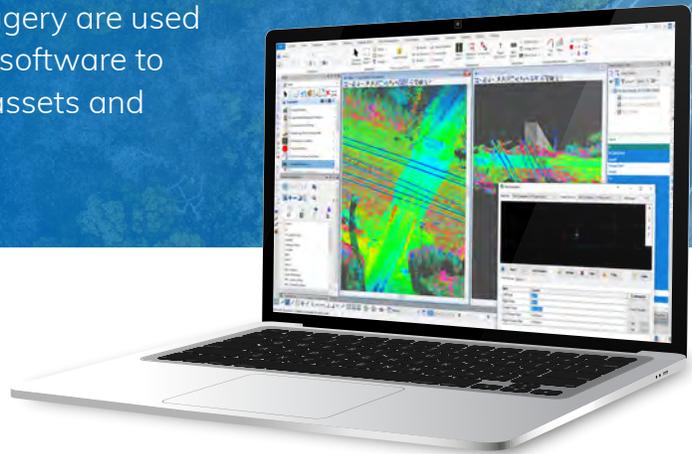


OBTAIN SURVEY-GRADE LIDAR POINT CLOUDS AND HIGH RESOLUTION IMAGERY WITH RIZING'S MOBILE MAPPING SERVICES

Rizing offers comprehensive and accurate mobile LiDAR data acquisition, processing, and feature extraction services for traditional survey and asset inventory projects. We start by using state-of-the-art mobile mapping technology. Our Leica Pegasus:Two Ultimate captures high resolution point clouds as well as 360-degree, georeferenced color spherical imagery. The collected point clouds and associated imagery are used in industry-leading processing and extraction software to produce geodatabases and/or design files of assets and features to client-specified standards.



Key Benefits



Highly-accurate point clouds with integrated 360-degree image capture at prevailing highway speeds



Routine collection of up to 60 miles each day with video logs and point clouds processed within 24 hours



Extracted features and legacy geospatial databases displayed in the same environment



Synchronized point clouds and video log display along with extracted assets in Rizing's Road Analyzer product



Utilization of industry-leading feature extraction software to increase the speed and ease of asset and attribute production



Integration with asset management (AM) products allowing extracted data to be loaded into both GIS and AM environments

Collect data once and use it many times for many purposes

Feature extraction improvements are now providing greater automation and higher “hit rates” of feature detection resulting in greater speed and ease in generating comprehensive, attributed geospatial and design data. Extracted data can be used for asset inventories or for survey and engineering applications, bridging the gap between engineering and planning divisions.



Planning

Today’s transportation agencies are highly focused on asset management but in many cases, asset inventories do not exist, are incomplete or out of date. Mobile mapping provides the ability for agencies to quickly produce extremely accurate and thorough asset inventories.

Engineering

Data collected for asset inventories, referred to as “in the can,” can be used as the foundation for engineering and survey projects. By adding control, standard design accuracies can be achieved increasing the value of collected data and also providing more accurate design quantities.

GIS

Asset data output from collected point clouds and imagery can be used with Rizing’s geospatial products, including Road Analyzer. Road Analyzer visualizes data in straight-line format and can combine LiDAR-collected data with features and events traditionally maintained by transportation planning departments.



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