

LIDAR360 MLS





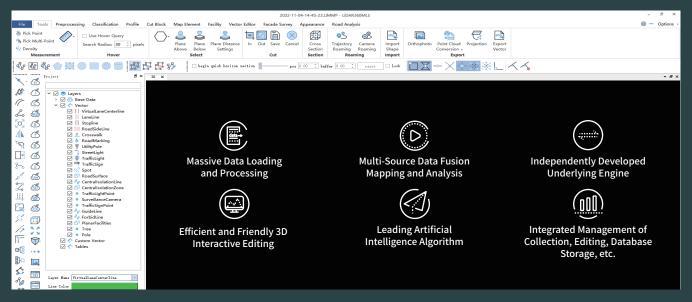
SOFTWARE

TERRESTRIAL POINT CLOUD FEATURE EXTRACTION AND ANALYSIS SOFTWARE

iDAR360 MLS iDAR360MLS is a terrestrial mobile laser scanning(MLS) point cloud feature extraction and analysis software independently developed by GreenValley International, which supports the processing and analysis of LiDAR point cloud and image data obtained by mainstream vehicle-mounted, backpack, or handled mobile mapping systems on the market.

Based on the leading artificial intelligence algorithm, the software performs massive point cloud data editing, 3D feature extraction and analysis, 3D vectorization of road elements, etc. It has the features of rich function, convenient operation, intelligent and efficient, friendly interaction, forming a complete processing chain of MLS point cloud data processing, high definition map and road asset survey.

The result data exported by the software can be directly imported into GIS, CAD, and simulation platforms, which can be widely used in high definition map production, facade survey, road asset survey and maintenance, etc. LiDAR360MLS accelerates information extraction with intelligence and depicts the real world with digitalization.



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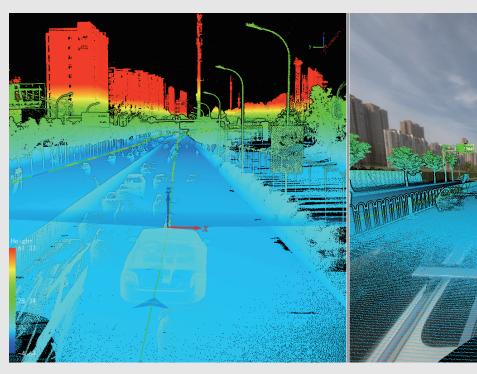


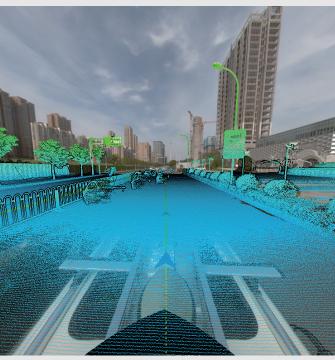
Al-based point cloud semantic segmentation algorithm, which can quickly obtain high-

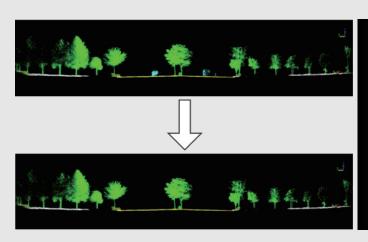
Support vector result database storage for convenient management and format

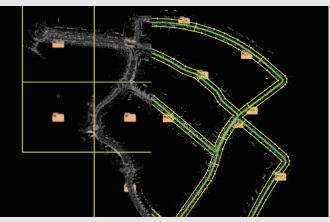
precision results and accelerate the efficiency of subsequent production analysis.

conversion.

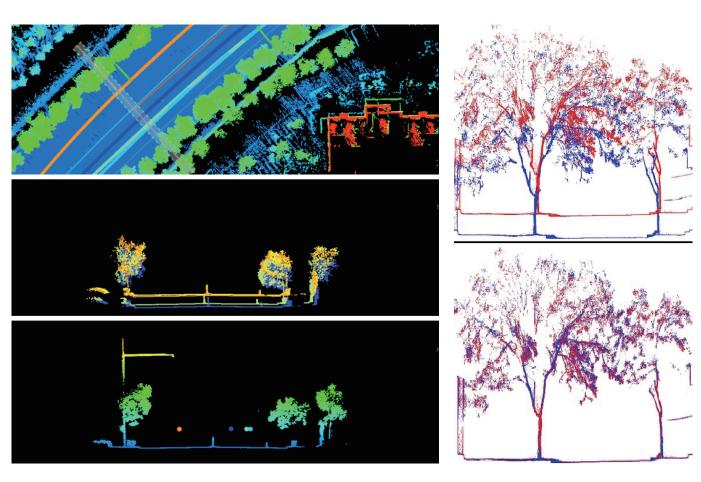




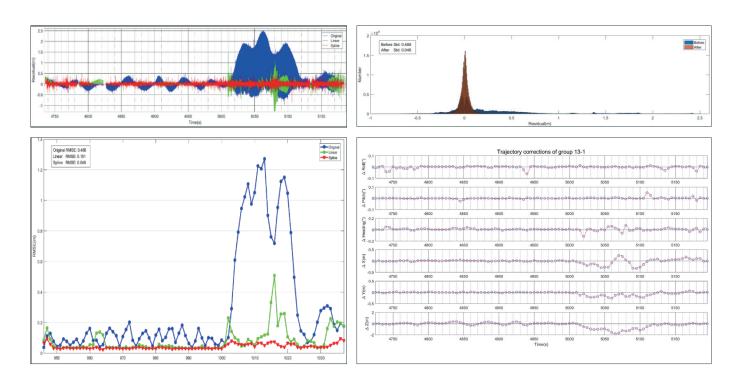




Mobile Laser Scanning Point Cloud Preprocessing



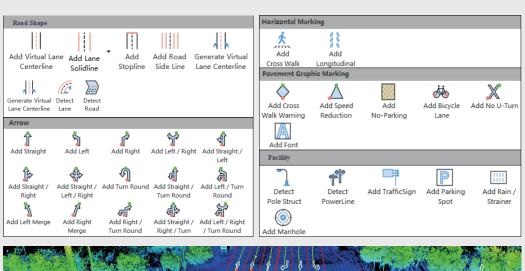
- Support point cloud boresight calibration, panoramic or plane camera extrinsic calibration, the mapping system does not need to be returned to the factory for calibration.
- Support point cloud and trajectory accuracy analysis, automatically identify and repair abnormal conditions such as trajectory jumps.
- Support relative alignment of MLS point cloud data, global optimization of multiple projects with control points, and output detailed accuracy reports to provide highprecision data support for subsequent applications.

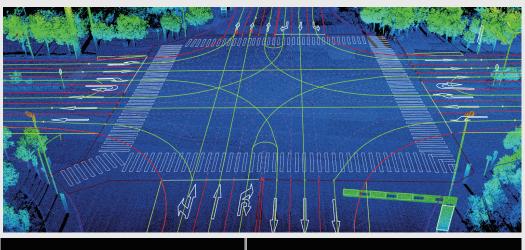


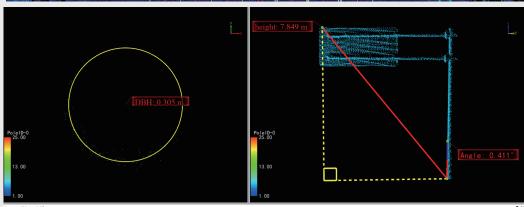
Map Element

Feature Extraction

- Automatic extraction of road elements and road facilities based on AI,
 which greatly improves efficiency and can quickly expand categories.
- Customizable road element symbol library, the drawing effect is 100% fit.
- Support the drawing of special symbols such as Chinese characters and letters, and enrich the achievement database.
- Interactive semi-automatic multi-element detection, improvement of mapping efficiency.
- Rich road element templates, one-click drag and drop.
- Support linear facility template customization to achieve batch extraction of line elements.
- Support individual segmentation and parameter extraction of road facilities such as trees and poles.







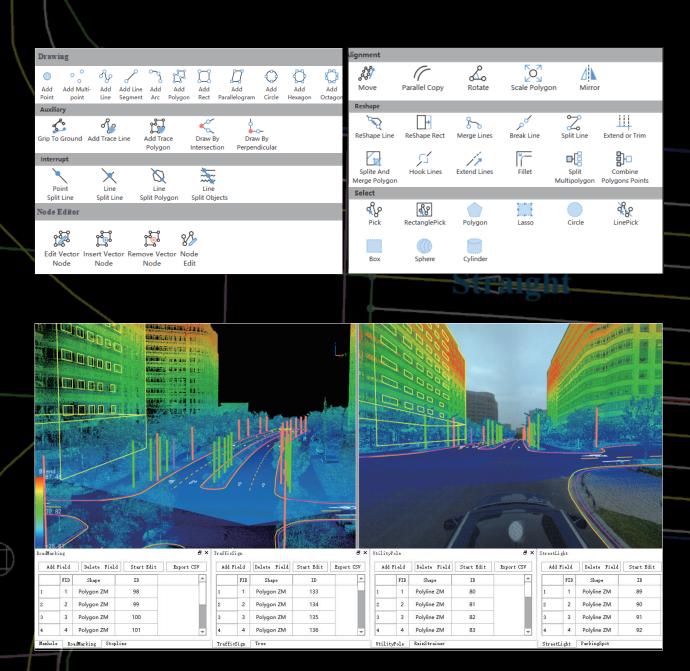
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- Rich vector editing tools, convenient operation, improve the accuracy and reliability of vectors.
- · Support shortcut keys customization to improve the operability of production staff
- Support mapping in multi-view (3D, 2D, section).
- Support precise editing of different snap modes.
- Support attribute table template configuration.

Ainkang Stre

- Built-in national standard road asset symbol library and general symbol library.
- Support point cloud, feature, vertex/edge multi-level data to add annotation.



Minkang Street

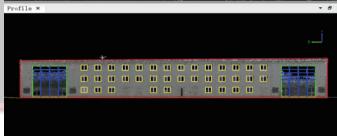


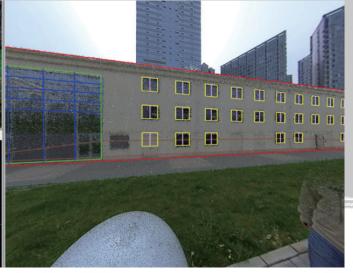
Facade Survey Facade Survey

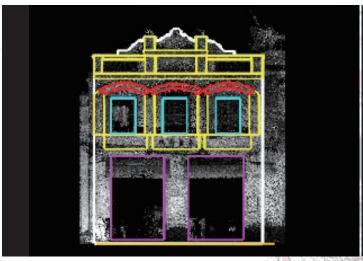
- Seamlessly import LiGrip/LiBackpack/LiMobile point cloud and image data without format conversion and coordinate system definition.
- Provide multi-mode baseline collection method, adapt to multiple types of façade structures, and accurately locate side façade information.
- Provide facade verticalization function to solve the problem of SLAM data ground inclination.
- Provide convenient facade element drawing tools such as construction lines and grouping arrays to speed up production efficiency.
- Using panoramic images to assist facade survey, making the drawing of elements more complete and accurate.
- Provide accurate length and area calculation functions, and support exporting tables in other formats.
- Support exporting DXF, orthophoto result data,etc.



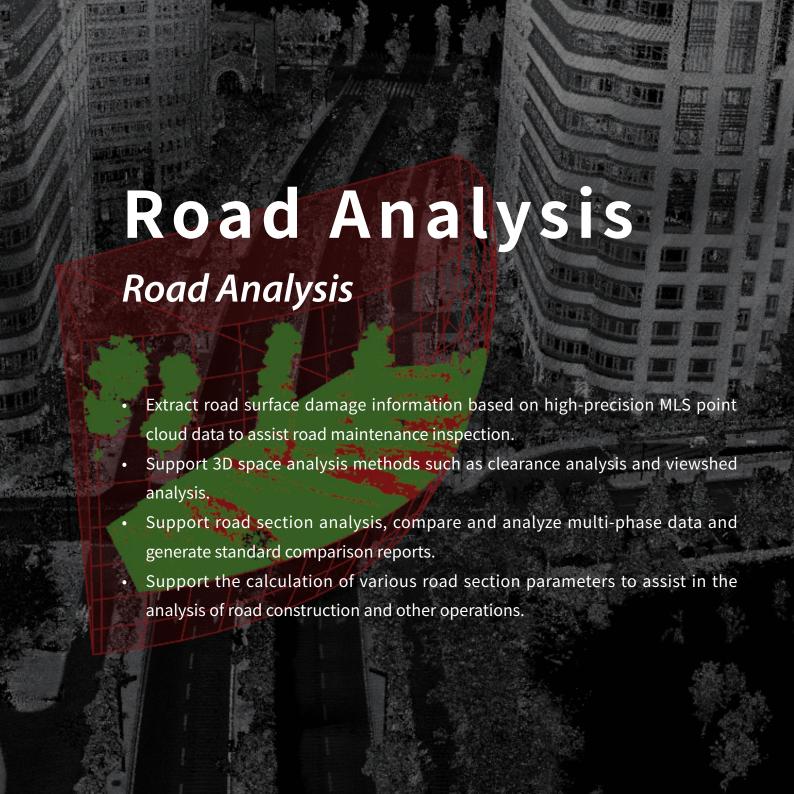




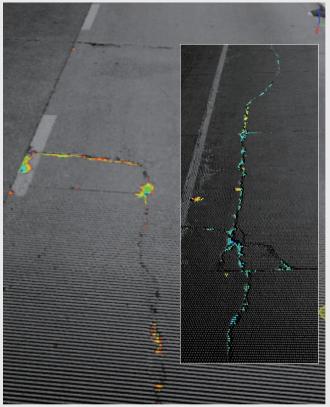


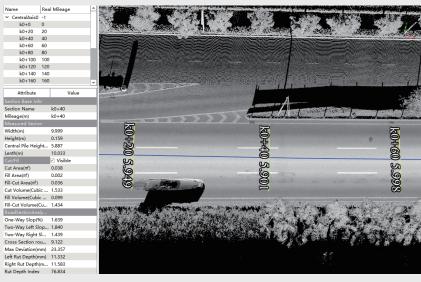


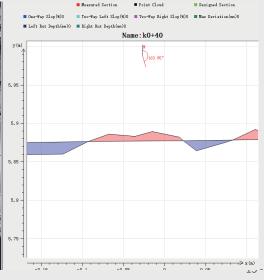














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