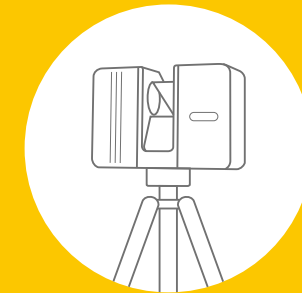


Through Point Cloud

5



3D LASER

- 5.01 AcuteLas SPL-1500/500/500E Terrestrial Laser Scanner
- 5.01 AcuteLas SA130 UAV-based LiDAR System
- 5.01 AcuteLas SG130 UAV-based LiDAR System
- 5.03 Post-processing Software
- 5.04 Applications

AcuteLas SPL-1500/500/500E Terrestrial Laser Scanner

- Compact design and extremely lightweight
- Built in camera and dual-axis compensator
- Long measuring range yet high accuracy performance
- Efficient scans and imaging within minutes only
- Customized backpack available for handy package



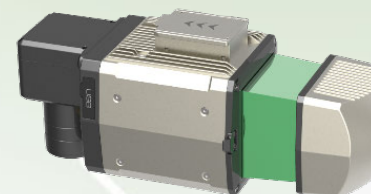
AcuteLas SA130 UAV-based LiDAR System

- Ready to fit VTOL fixed-wing drones and multi-rotor UAVs
- 2 kg only, but measuring range up to 1500 m
- Ground control software Fly2Map Pilot integrated with LiDAR settings
- All-in-one post process software AcuteLas Studio



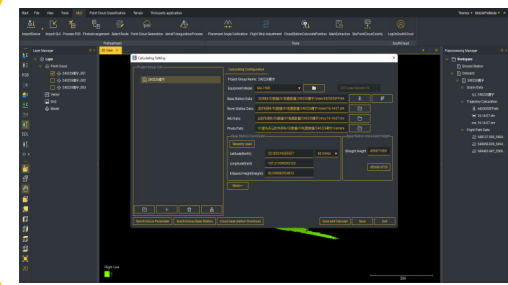
AcuteLas SG130 UAV-based LiDAR System

- Scientific management of historical results
- All data traceable and analyzable
- Easy to perform tendency changes based on analysis of Before & After
- Out-of-tolerance alerts triggered ahead of emergency
- A powerful system platform ready to manage plenty of metro lines

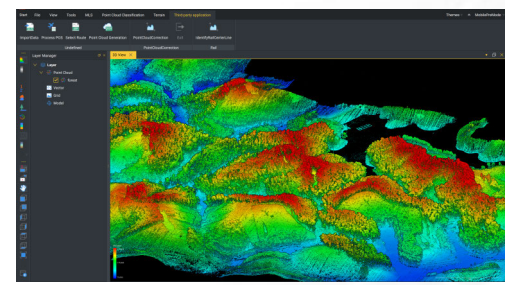


AcuteLas Studio Post-processing Software

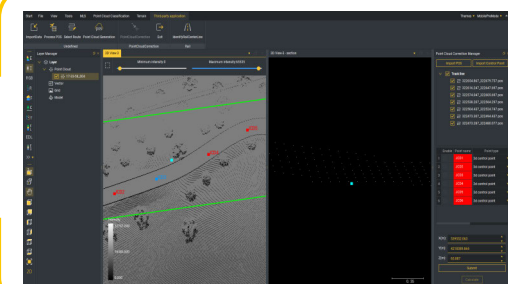
Based on years of experience in mobile mapping projects and deep learning in laser R&D, AcuteLas Studio is a software program particularly designed for point cloud processing and applications.



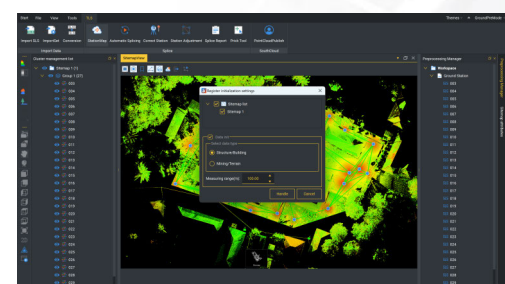
MMS (UAV/SUV based) Trajectory Process



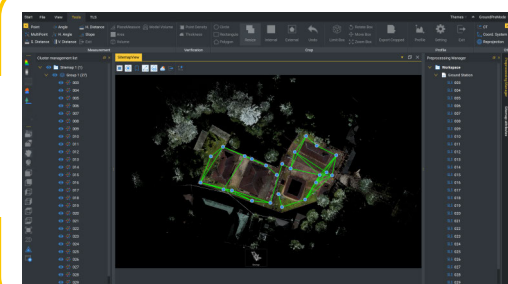
MMS (UAV/SUV based) Data Pre-process



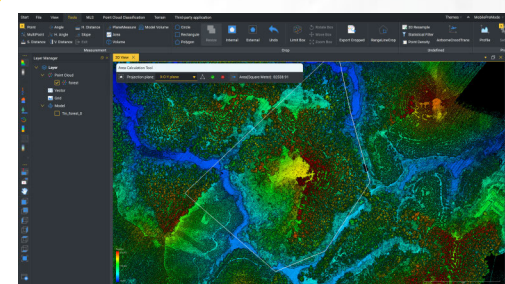
Trajectory Correction



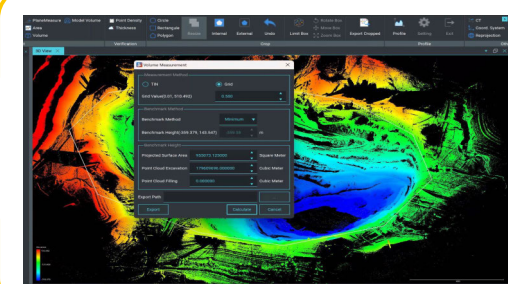
TLS Auto Global Registration



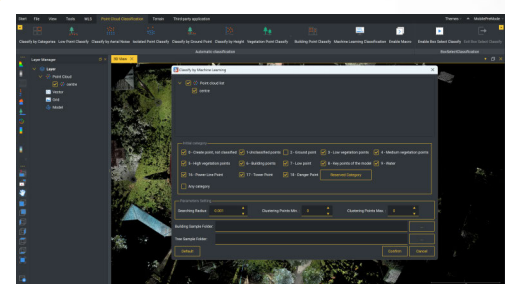
TLS Site Map



3D Measurement

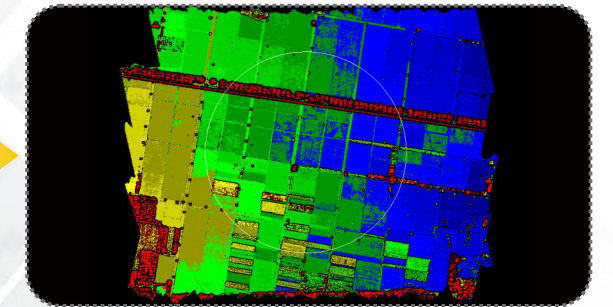


Volume Calculation

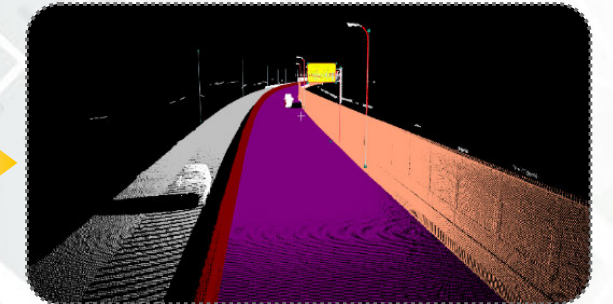


Auto Point Cloud Classification

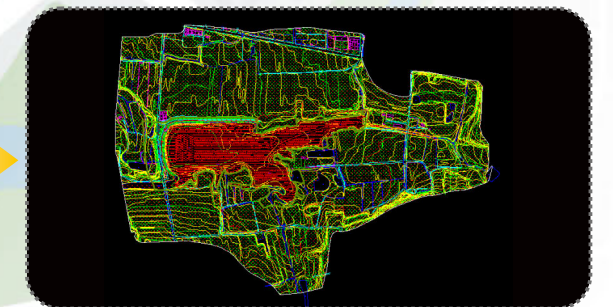
Applications



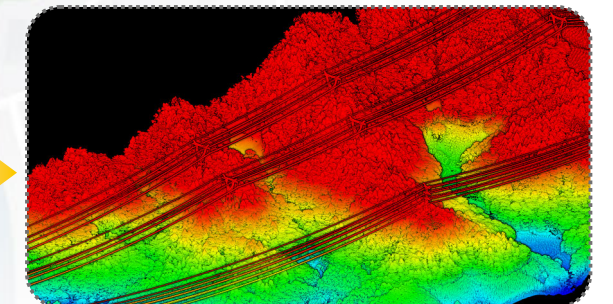
Countryside Topography 1:500, VTOL fixed-wing + LiDAR, China



High-precision Street Mapping, SUV-based LiDAR + 360° Pano Camera, China

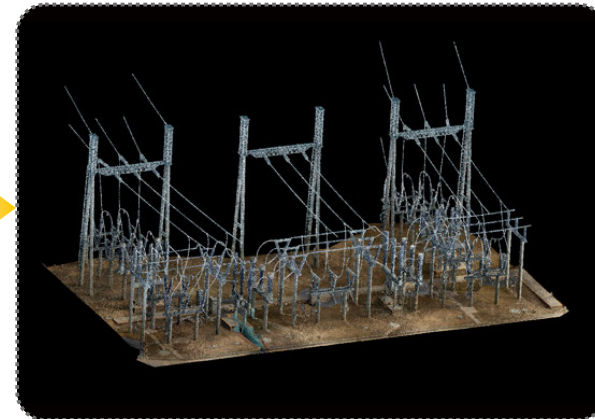


Reservoir Topography 1:500, UAV-based LiDAR + RGB Camera, China

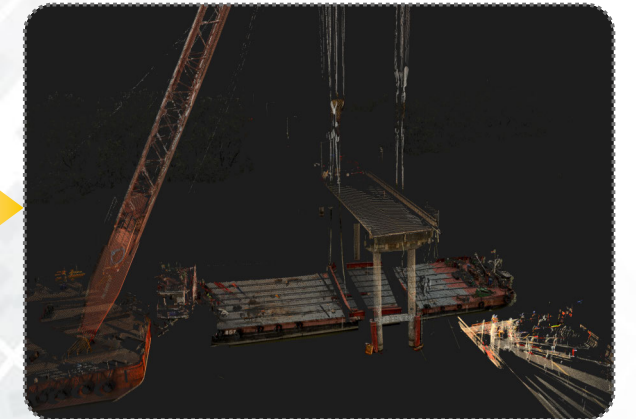


Power Grid Inspection, UAV-based LiDAR + RGB Camera, China

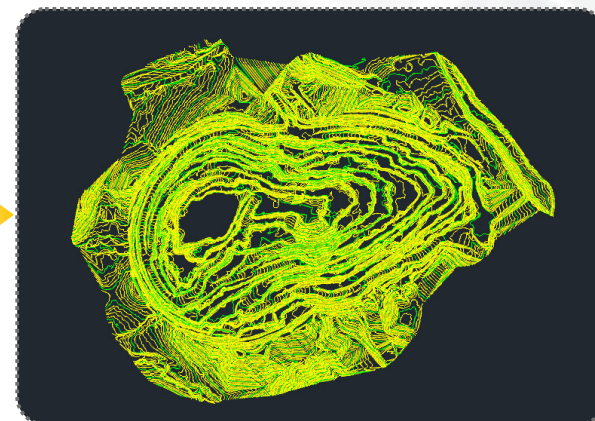
Applications



Substation E-documentation, 20 Scans in total, China



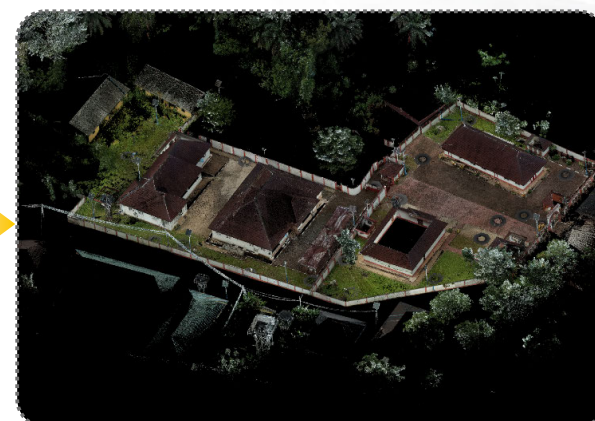
Broken Bridge Renovation, 20 Scans in total, China



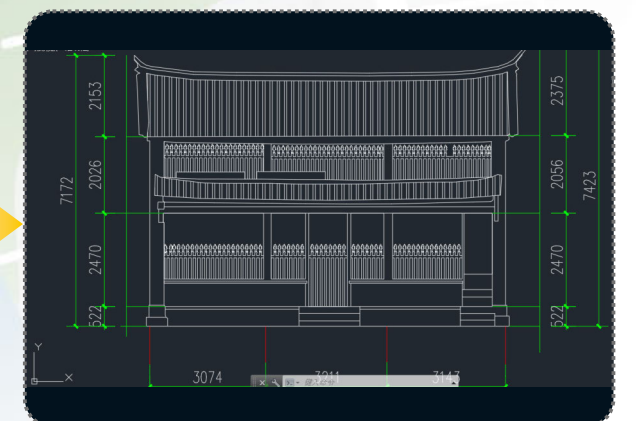
Mine Topography 1:500, 1200x800m Area Size, Height Drop 170m, China



Historical Building BIM Data Capture, 54 Scans in total, China



Resort E-documentation, 832 Scans in total, Nigeria



Villa BIM Data Capture, 138 Scans in total, China