

RIEGL Solution for 3D Digital Scene Processing



RIEGL has launched the RiSOLVE software package that allows the speed and ease needed to simplify the “field to office”™ exchange and provides a fast workflow for true-colour 3D scene scanning. The software is especially developed for accident investigation and rapid deployment scene capture, where time is of the essence.

RIEGL has been thoroughly field testing RiSOLVE for over 6 months to ensure it is effective in nearly all real-world conditions. With input from real users steady improvements were made and the Austria-based company is now confident that the algorithms behind the automation are ready for release. They have done their best to make the interface as simple as possible to enable short training times and faster productivity than before.

The streamlined process of RiSOLVE is the latest solution to acquire, register, and colourise outdoor 3D scan data through its fully automatic registration and colourisation. With additional tools for filtering, scene animation, and measurements, RiSOLVE enables rapid turnaround of critical information.

The 3D virtual environment created in RiSOLVE can be used as a reconstruction tool for accident investigations that will re-create the point of impact virtually and at any angle for collision analysis and visualisation that can be revisited repeatedly. RiSOLVE is designed to be combined with the RIEGL VZ-line terrestrial laser scanners, this delivers an efficient, effective, fast and workflow for 3D digital scene capture, RIEGL claims.

Photo courtesy: Kantonspolizei Zürich, Switzerland.