



## RIEGL LiDAR Systems – High Accurate 3D Surveying

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With the advent of digitalization in almost all areas of life, the need for highly accurate, meaningful basic data on whose reliable basis a wide variety of applications can be built is increasing. Ongoing R&D efforts and the continuous further development of RIEGL Waveform LiDAR technology ensure that RIEGL laser scanners and laser scanning systems can be used to capture this basic data - precise, informative and comprehensive point clouds - extremely quickly, efficiently and effectively.

The workshop will present the current developments in the field of airborne, UAV-based, mobile and terrestrial laser scanning, discuss the special features of the sensors and systems and demonstrate their advantages for the various application areas using application examples.

Special attention will be paid to the new RIEGL VZ-600i laser scanner for terrestrial data acquisition, which is characterized by extreme versatility, high productivity, ultimate performance and additional mobility.

The use of the new RIEGL kinematics app will also be presented, which now makes it possible to quickly and easily capture kinematic laser scan data with a terrestrial RIEGL VZ-i laser scanner without the need for additional hardware. This makes it possible to capture data from large areas in a relatively short time without a great deal of effort.

**Keywords:** LiDAR, Laser Scanning, Point Clouds, Digitization

