Trident-3D Software

Version 4.5 of the Trimble Trident-3D software suite allows service providers and infrastructure managers to improve productivity by rapidly capturing roadway data and automating their workflow for information extraction. The announcement was made at the Intergeo 2009.

Trimble Trident-3D version 4.5 software includes new functionality and enhancements:

- LIDAR point cloud registration tools to achieve better accuracy

- Enhanced polyline tool for improved editing

- Automated pavement edge detection to supplement existing pavement marking breakline creation

- Export breaklines, cross-sections and triangulated irregular network (TIN) models in LandXML

The Trimble Trident-3D software provides a comprehensive suite of tools to capture imagery and LIDAR data along roadways and extract information. The version 4.5 enhancements increase the resulting positional accuracy with new modules for automatic survey control point detection (such as of spherical targets) in LIDAR data, and point cloud-to-point cloud registration. New and enhanced functions are provided for breakline detection and creation such as edge-of-pavement, centerline, crown, and pavement markings. The new LandXML export provides workflow compatibility with many industry standard computer aided design (CAD) applications.

Trimble's Trident-3D software suite is used with more than 50 mobile mapping vans by transportation service providers and organizations throughout the world.

Trimble Trident-3D version 4.5 is expected to be available in October of 2009.