

Trimble Enhances Survey Solutions

Trimble used Intergeo to introduce further enhancements to its complete surveying portfolio as part of its Connected Site solutions: new models of the Trimble S8 Total Station with options for monitoring and tunneling applications; a new version of Trimble Business Center; a scalable Trimble VX Spatial Station and improved field to office solutions for German surveyors.

These positioning solutions add even greater flexibility to a user's surveying needs, providing seamless and streamlined workflow for all phases of surveying.

Trimble S8 Total Station Models

The Trimble S8 Total Station models and Trimble 4D Control software create a solution for real-time monitoring of permanent structures such as dams, short-term construction activities and side slopes in mines. As Trimble's most advanced robotic instrument to date, the Trimble S8 Total Station coupled with Trimble 4D Control software provide surveyors with capabilities to pursue new business opportunities in both real-time monitoring and tunneling applications.

The Trimble S8 offers 1" angular accuracy and EDM precision down to 1 mm + 1 ppm. Our new long-range Trimble FineLock model extends 1 cm precision to 2,500 metres for use on large-scale projects such as open-pit mines. FineLock is a smart tracker sensor with a narrow field of view that enables the Trimble S8 to detect a target without interference from surrounding prisms. The new Trimble S8 model for tunneling applications combines the FineLock technology with a long range laser pointer for precision stake-out for bolts and other assets.

Trimble 4D Control is an advanced software package designed for deformation monitoring applications from simple campaign style monitoring such as periodic bridge inspection to large scale, real-time deformation monitoring. It is a complete solution for processing and analyzing monitoring data, as well as managing and scheduling a network of optical sensors in real time. The software can control up to five total stations with a single computer and it is scalable to manage large deployments covering hundreds of monitoring points from a centralized control center. In addition, automatic alerts can notify operators instantly when movement exceeds specified tolerances.

Trimble Business Center 2.0

For many surveyors, Trimble Business Center is already an indispensable Quality Assurance tool for Global Navigation Satellite System (GNSS) data. With new support for optical surveying data in Version 2.0, Trimble Business Center now provides a powerful resource for all of a surveyor's Integrated Surveying projects. Trimble Business Center Version 2.0 can verify and integrate GNSS and optical data into single file as well as output data to a range of applications such as GIS, photogrammetry and CAD.

Trimble VX Model

The Trimble VX Spatial Station is an advanced positioning system that combines optical, 3D scanning and video capabilities, Trimble VISION technology, to measure objects in 3D and to produce 2D and 3D data sets for spatial imaging projects. The new model of the Trimble VX offers an entry into Spatial Imaging with integrated video and surveying functionality only. Surveying businesses looking for ways to get the most out of their time in the field and office will appreciate the productivity gains from video aiming and in-field QC imaging. This new model also provides surveyors with 2D capabilities to produce sophisticated, image-based deliverables. The new model of the Trimble VX Spatial Station is scalable to full 3D spatial imaging functionality by upgrading to the scanning capabilities.

