

Topcon announces release of deformation monitoring solution

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Topcon Positioning Group announces the release of Delta Solutions – its new deformation monitoring system. Utilizing a system of software and hardware components – Delta Link, Delta Log, Delta Watch, Delta Sat and the MS AXII total station – Delta Solutions is designed to provide accurate and reliable monitoring measurements and associated reporting for asset protection.

The system uses the Topcon MS AXII total station combined with Topcon Delta Watch software designed to monitor, manage and evaluate monitoring data as well as optionally trigger alarms. “As standalone software, Delta Watch delivers accurate and reliable data in a variety of reporting formats to best fit a project’s needs said Ian Stilgoe, vice president portfolio management at Topcon Positioning Group. “Data from the total station, GNSS receivers, leveling devices and sensors can be processed and analyzed individually or as a network-adjusted solution.

“Topcon Delta Link provides hardware support communication for autonomous operation in the field,” he said. “Delta Link manages each power source maximizing system availability.”

Communications options include Ethernet, Wi-Fi, and a globally approved integrated cellular modem.

Accessed via a secure web portal, Delta Log is designed to provide an intuitive interface to manage observations, target types, and measurement scheduling. “Delta Log provides a simple platform for advanced functionality – unique Topcon features such as matrix detection are instinctively controlled through the software,” said Stilgoe.

“Delta Log will continue to operate the total station should communication with the Delta Watch database fail,” he said. “Once communication has been restored, data are synchronized and the main database is updated.”

Delta Watch includes the optional Delta Sat GNSS processing module, which allows for stand-alone GNSS monitoring or combined GNSS and total station network adjustments.

Topcon Delta Solutions are the result of a partnership formed between Topcon and deformation monitoring and tunneling specialist VMT GmbH.

Source: Tierra S.p.A.