



Topcon introduces Elite Survey Suite

Speed, ease-of-use and integration key to design

LIVERMORE, Calif., USA/ CAPELLE A/D IJSSEL, The Netherlands – June 30, 2016 – Topcon Positioning Group announces a new suite featuring four integrated solutions — three hardware products “fused” by a single software solution — designed to provide professionals with a powerful and complete survey system. The Topcon [Elite Survey Suite](#) — which includes the new GT series of robotic total stations, HiPer HR hybrid GNSS receiver, FC-5000 field computer and MAGNET® 4.0 software system — provides Topcon flagship geo-positioning products and technology in one system.

“The individual products of the Elite Survey Suite were designed from the ground up to work together seamlessly through one software solution — a first of its kind in our industry — and one representing the fastest robotic motor total station technology in the market, the smallest and lightest GNSS rover in the industry, the latest advances in field computing and the pinnacle of software capabilities,” said Jason Hallett, Topcon vice president of global product management.

The Topcon Ultrasonic Direct Drive motors available within the new [GT series](#) total station have a turning speed of up to 180 degrees per second. “It’s the fastest robot on the market. The advanced UltraTrac Technology engine efficiently and dramatically increases power for prism tracking,” said Hallett. “The total station is thirty percent smaller and thirty percent lighter yet still provides the highest levels of accuracy and performance. Fastest, smallest, lightest — that was our goal in building the latest GT series.

“Built on the foundation of the HiPer series of receivers, the new [HiPer HR](#) is the world’s smallest and lightest GNSS receiver,” Hallett said. “It is capable of tracking all constellations, all satellites, and all signals – available today and tomorrow. New GNSS technology augmentation integrated in the HiPer HR is TILT™ (Topcon Integrated Leveling Technology) functionality. TILT uses a 6-axis IMU (inertial measurement unit) and a 3-axis digital compass that together offer an advanced HiPer HR receiver with a 9-axis MEMS (micro electromechanical systems) to correct for mis-leveled measurements. This allows users to quickly and confidently take field measurements even in scenarios where getting the receiver into an exact vertical setup is difficult or not possible,” Hallett said. The receiver comes with five versatile data communication options and an IP67 waterproof rating.

“The third hardware solution in the suite is the [FC-5000](#) field computer with two built-in cameras and a 7-inch sunlight-readable display. This advanced device provides operators the processing power and wireless connectivity options expected for the modern job site – complete with a touch screen that is user-friendly even in the most challenging of environments,” he said.



“The ‘tie that binds’ is the [MAGNET](#) software suite,” Hallett said. MAGNET 4.0 provides software support for the hardware through MAGNET Field, MAGNET Office and a significant update to MAGNET Enterprise web service that provides integration with Topcon’s construction-focused Sitelink3D service for instant data transfer and connectivity into active project sites. MAGNET 4.0 also offers a new level of direct communication with other systems, such as Bentley’s ProjectWise collaboration and content management system. We also continue to provide seamless integration abilities with Autodesk software products, such as Autodesk Point Layout, proving MAGNET to be a compatibility resource for various systems,” he said.

“Topcon set out to provide professionals with a cohesive system that is easy-to-use and powerful — providing supersonic speed with the GT series, advanced connectivity with the HiPer HR, compact power with the FC-5000 and all-access field-to-office connectivity with MAGNET — all by design in one industry-leading solution,” Hallett said. “We’ve done just that with the Elite Survey Suite.”

Learn more about the [Elite Survey Suite](#) and the full line of Topcon solutions at topconpositioning.com.

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About Topcon Positioning Group

Topcon Positioning Group is headquartered in Livermore, California, USA (topconpositioning.com). Its European head office is in Capelle a/d IJssel, the Netherlands (topconpositioning.eu). Topcon Positioning Group designs, manufactures and distributes precise positioning products and solutions for the global surveying, construction, agriculture, civil engineering, BIM, mapping and GIS, asset management and mobile control markets. Its brands include Topcon, Sokkia, Tierra, Wachendorff Elektronik, Digi-Star, RDS Technology, NORAC and 2LS. Topcon Corporation (topcon.com), founded in 1932, is traded on the Tokyo Stock Exchange (7732).

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