

Topcon Releases MAGNET Software Suite for Optimised Workflow



Topcon Positioning Group announces the release of the latest edition of its suite of software solutions — [MAGNET 5](#). Packed with new features, the release includes upgrades to the MAGNET Field, Office and Enterprise applications designed for advanced performance, third-party integration, and construction planning and oversight capability.

“MAGNET Field operators can now avoid losing time switching between screens thanks to new flexible display options. Users can simply select and stake surfaces, and drive survey sessions directly from the map. The screen also includes a configurable favourites toolbar, and additional customisable data labels. Additionally, operators can view GNSS status when the controller is connected to a total station in Hybrid mode, and show offsets as a visual reference when staking roads and lines.” said David Ahl, director of software

product management.

Improvements to MAGNET Field also contain new vertical construction capabilities including reflectorless layout within a building. “The MAGNET system has long supported third-party construction and survey file types across the software suite, and this update now includes even more integration including filtering and editing capabilities to bring Autodesk and Bentley design files to the office or directly to field software,” said Ahl.

Additions to MAGNET Office are designed to be centred on contractor needs and include new advanced corridor functionalities for machine control file prep, Mass Haul application improvements, and an integration of BIM for infrastructure features directly into the suite.

Ahl continued, “Machine control file prep is now more efficient thanks to a unique ‘road zones’ functionality. Changes made to one zone instantly apply to all others — resulting in a simplified design experience with fewer needed templates and significantly less time spent drafting. This capability was developed based on direct feedback from general contractors looking to speed up the machine control constructible model creation process.

“Additionally, earthworks projects can be optimised by reducing waste and increasing productivity with the new scheduling and oversight functionalities within the Mass Haul software. The planning and oversight capabilities from Topcon industry-leading [DynaRoad](#) software have been built in to our MAGNET Office Mass Haul solution. MAGNET Office now offers integrated virtual design capabilities — facilitating 3D model visualisation, collaboration, and aggregation. Surveyors and engineers can visualise survey data and bring it to life.” said Ahl.

For more information on MAGNET 5 and trainings sessions, visit topconpositioning.com/MAGNET5