Simplified construction verification workflows

Topcon scanning solutions enable you to work more productively, more efficiently, and help teams stay better informed. Together with ClearEdge3D Verity, the simplified verification workflows cover a range of applications including documenting job site as-built conditions and performing construction verification to ensure project accuracy is built 100 percent to plan.

One instrument that does the work of two

The innovative, integrated design with complete robotic one-man total station functionality includes a full featured high-speed scanner that delivers layout and scanning from a single set up.

Go faster with our universal scanning workflows

The optimization between hardware, software, and process automation reduces time from reality capture to final deliverables. In addition, our software is fully integrated with Navisworks for comprehensive analysis and documentation.
Build better and model faster with ClearEdge3D software

Once the GTL-1000 completes its scan, process the point cloud data and 360 degree photos rapidly using MAGNET Collage. ClearEdge3D’s automated modeling and object recognition software completes the process by creating as-built documentation and enabling construction verification.

**Construction Verification Software**
Verify construction quality in a fraction of the time by comparing as-built point clouds against design and fabrication models.

- Reduce risks to budgets and schedules
- Clear indication of construction quality with as-built tolerances
- Increase project profitability by avoiding rework
- Fully integrated with Autodesk Navisworks
- Quickly update coordination model to as-built conditions
End-to-end scanning solution

Together, Topcon and ClearEdge3D provide the ideal scan-to-BIM and construction verification solution. Each element works better together to provide seamless end-to-end data workflows.

Build per plan with 100 percent verification
Find mistakes before they become expensive problems. Evaluate construction quality and provide as-built tolerance by comparing point clouds against design and fabrication models.

Share point cloud data over the web with project stakeholders
MAGNET Collage Web is an online service built for collaboration and sharing of point clouds, meshes, UAV data, and BIM data. It provides Virtual Design and Construction (VDC) teams and contractors easy access to project data 24/7 without installed software.