

Trimble SiteVision

Augmented reality
and reality capture solution



Capture site conditions in an instant with georeferenced, full-color lidar scans.

Trimble® SiteVision® transforms the industry's leading augmented reality tool into an affordable, high-performance reality capture solution. By putting professional-grade lidar in the hands of site teams, we've eliminated the need to wait for specialists to verify site conditions.

Key benefits

Trimble SiteVision is built on the Trimble Connect® cloud platform, making teams more collaborative and enabling workers in the field to get more value from constructible 3D models.

Accessible reality capture

Professional-grade reality capture for everyone — empower project managers, engineers and contractors to capture georeferenced as-builts and instantly verify quality in real time.

Features include:

- A four-step configuration wizard and simplified GNSS management allow for instant project setup.
- Enhanced lidar scanning with automated error mitigation, outlier removal and in-field processing.
- Model placement — easily position AR models in the jobsite with GPS/GNSS or QR markers.
- Visualization tools — use accurately positioned models in a real-world context.
- Measurements — measure and record progress and as-built information such as positions, lengths and areas.
- Streamline quality control — identify clashes and verify as-built conditions, then document it with georeferenced photos, point clouds, and BCF Topics.
- Collaboration — use Trimble Connect to communicate with your team and maintain a single source of truth.
- Offline support — work offline then sync later to Trimble Connect.
- Supports all common BIM formats via Trimble Connect IFC, NWD/NWC, RVT, SKP, DWG, TRB, and Tekla®.



Accessibility

SiteVision makes augmented reality more accessible to more people on the jobsite. Users now have the ability to visualize 3D BIM models in the real world to understand complex situations, communicate across the project team, and enable rapid, informed decision-making.

- Project managers
- Superintendents
- Engineers
- VDC Managers
- Architects
- Contractors
- Owners/Developers

Unlocking insights and connected construction

Trimble SiteVision transforms how you visualize and verify construction projects. Using a network of QR code markers placed manually or with a Trimble robotic total station, SiteVision precisely positions your 3D model in the real world. This allows for:

- Move from 'seeing' the model to 'proving' the work.
- Instantly capture georeferenced as-builts to verify installations against your design.
- Accelerated QA/QC inspections.
- Real-time decision-making by all project stakeholders.
- Precise measurement of distances and areas for enhanced reporting and estimation.

Connected integration

Seamless Cloud-Native Workflows — All field-collected data is automatically synchronized to the cloud. View and share your scans immediately with the Trimble Reality Capture platform service. Every SiteVision license includes a Trimble Connect license, ensuring seamless integration. Together, SiteVision and Trimble Connect deliver the right data to the right people at the right time, connecting contractors from different trades and across all phases of the construction lifecycle.

