Trimble Connect AR

AUGMENTED REALITY APP

VIEW 3D MODELS ON SITE IN AUGMENTED REALITY

Trimble® Connect® AR is an augmented reality application for construction projects that enables contractors to bring their BIM data to the job site.

Integrating with Trimble Connect and the Trimble Mixed Reality portfolio, Connect AR gives project managers, engineers and contractors the ability to visualize 3D models in real life, on site and in context at 1:1 scale. The model can be accessed via a smart phone or tablet, using the Trimble Connect cloud based collaboration platform.

1:1 scale augmented reality view of your model

Supports all common BIM formats via Trimble Connect

All AR enabled iOS and Android mobile devices supported

Works on both Phones and Tablets

Key Benefits

Connect AR is an extension of the Trimble Connect for Mobile application. It integrates with Trimble Connect and the Trimble mixed-reality portfolio, making teams more collaborative, and enabling workers in the field to get more value from constructible 3D models.

Accessible Augmented Reality

Connect AR makes augmented reality more accessible to more people on the job site. Project managers, engineers and contractors now have the ability to visualize 3D BIM models in the real world, making complex processes more intuitive and collaborative.

Features include:

- Model placement - easily position AR models in the job site with QR markers
- Visualization tools - use accurately positioned models in a real world context, utilizing transparency, cross section and fish bowl tools.
- Capture issues - take and log an augmented reality site photo to clearly communicate an issue
- Collaboration - use Trimble Connect to collaborate with your team
- Measurements - measure and record progress and as-built information such as positions, lengths and areas
- 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

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ACCESSIBILITY

Connect AR 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
- Engineers
- Contractors

ENABLING JOB SITE EFFECTIVENESS

By setting up a network of QR code markers around the job site using either a Trimble Robotic Total Station or manually this increases site effectiveness.

- Quick and easy positioning of the model in the real world
- Easier to compare as-built construction to the digital design
- Speedier QA/QC inspections
- Immediate decision making by project stakeholders.
- Ability to measure distances and areas between real and virtual objects to supplement issue reports or estimates.

CONNECTED CONSTRUCTION

Trimble's mixed-reality portfolio is part of the Trimble Connected Construction ecosystem. Connecting contractors from different trades and in all phases of the construction lifecycle enables more automated layout and fabrication. This is directly driven by constructible data, reducing the need for data conversions and the potential for error. Using constructible data and real-time collaboration, project stakeholders can work together seamlessly, optimizing the design, build and operate lifecycle.

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PN 022519-200 (10/21)