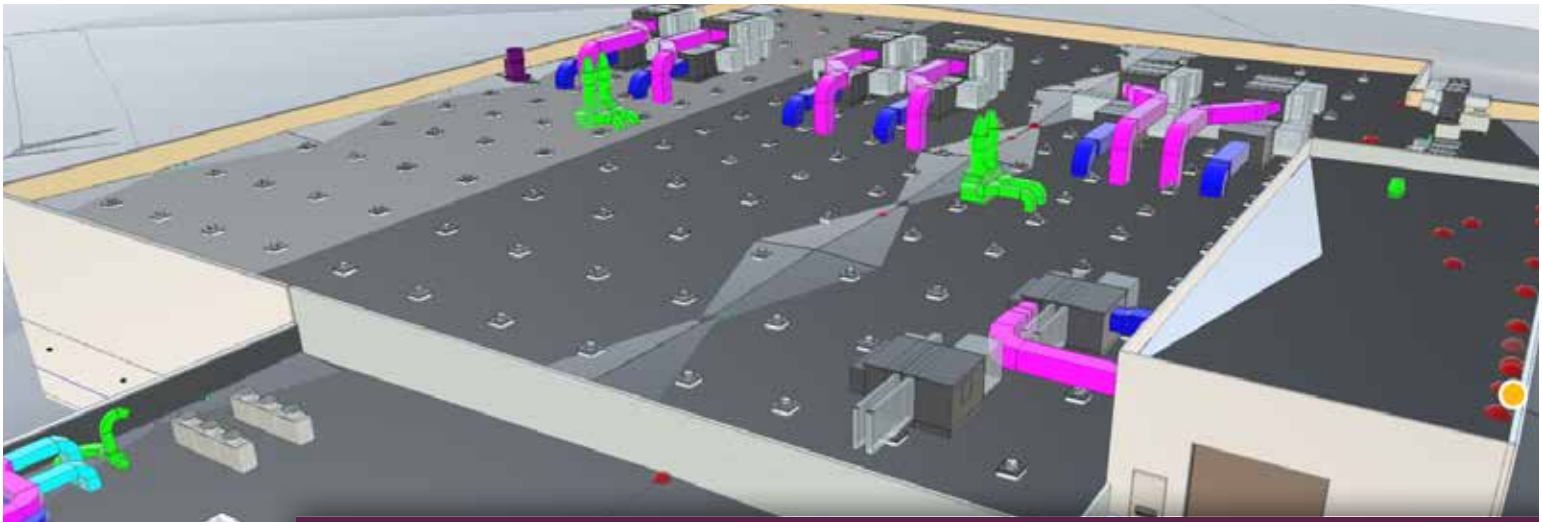


AUTODESK® BIM 360™

PROJECT DATA BECOMES EASILY ACCESSIBLE IN THE BIM 360 ENVIRONMENT, CONNECTING DESIGN & CONSTRUCTION THROUGHOUT A PROJECT'S LIFECYCLE.

REAL-TIME UPDATES. STREAMLINED HAND-OFFS. BOTTOM LINE IMPACTS.

Autodesk BIM 360 is a cloud-based common data environment platform that offers several modules for design and construction—offering the owner, design teams, consultants, contractors, and vendors access to the models, drawings, and project information. This mobile platform allows parties to collaborate from their desktops, tablets, and smart phones. Data is safely stored on the cloud and permissions and access are controlled, granted based on a person's role on the project.

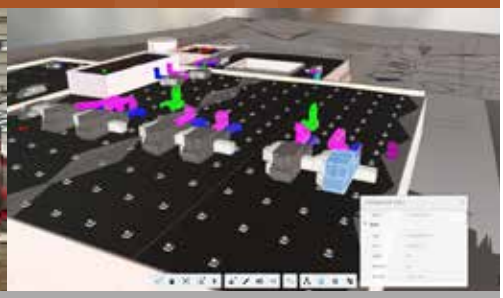
Document Management: With this module, transmitting and releasing information to owners and partners can now be a digital experience. All team members can easily access and be certain they're working on the most up-to-date version of a drawing, model, project document, or data source. Multiple people can mark-up documents concurrently and directly within the platform, with permissions controlling how users can interact with files. Collaboration is built into the process and the result is streamlined construction document management with reduced rework, RFIs, and delays.

Design Collaboration: A solution to siloed design, this module provides change visualization to the team in context to reduce rework and accelerate project delivery. A one-stop shop for owners, the design team, and contractors, Revit cloud collaboration allows teams to work in the same model without uploading, syncing, and transferring large files, while streamlining the approval process. Design issues and mark-ups are captured, sorted, routed, and addressed, eliminating the need to manually maintain project information. Plus, the metadata associated with any issues provides the team with insights to address critical needs.

Project Management: This module allows the team to get answers quickly, thanks to its ability to improve communication and visibility. The real standout is the project insights dashboard where owners are also able to check RFI progress 24/7 via a user-friendly interface that provides them transparency into the entire project lifecycle. Meeting minutes and action tracking quickly connects team members to important real-time project information.

Field Management: Our teams use this module for reporting audits, field issues, and observations because it allows our teams the ability to fully plan on-site walkthroughs. All team members can quickly obtain a daily update on the project beforehand down to forecasted weather, in addition to any at-risk occurences or mishaps that may have occurred previously.

SSOE®



"BIM 360 not only enhances the results we are able to provide the client, but it makes the lives of the on-site team much easier. Any issues detected can be sent to the general contractor for correction in seconds. Site reports are self-generated—all we have to do is download. Best of all, we are equipped with all the up-to-date project information to show the client and make sound decisions."

Ricardo Orozco Piñon, Project Manager, SSOE Group

MODEL BEHAVIOR IN THE FIELD

One of the most critical tools we can give field crews is the information they need to make informed decisions. We do that through early involvement of the entire project team, which includes field crews. To supplement this knowledge, our experts suggest that the construction team fully leverage the value contained in the model by equipping field crews with access to it.

SSOE has implemented BIM 360 in the field on a number of projects where we are acting as construction manager. While relatively early in our implementation, our experience to this point has been on some of our largest projects and we've seen positive, impactful changes. The digital platform has enabled us to collect consistent construction operation data that fosters a proactive approach to construction, safety, and quality.

Easy-to-use and customizable checklists allow the team to target areas of risk identified in the interactive planning and review process. But more than just a checklist application, BIM 360 facilitates and streamlines RFIs and submittals (when necessary) by providing a common data environment where they can be created, reviewed, and approved in a way that is visible to the entire team.

LEANING ON BIM 360 TO IMPROVE SAFETY & QUALITY REPORTING

SSOE's collaborative culture consistently drives the ways we innovate and engage technology. Rather than substituting technology for the human touch, we focus on how technology can enable an enhanced, more collaborative process. Leveraging Autodesk BIM 360 on-site allows safety audits and observations to be sent to the entire project team in real time and corrected almost as fast—helping us keep our projects Lean and significantly improve project results for our clients.

Not only can owners check the status of all open and active RFIs or submittals 24/7, speeding up the typical 2 to 3 week response time to same day, we can customize a workflow within the platform so that owners who want to be more engaged can receive real-time notifications with project updates. Gone are the days of having submittals stuck in someone's inbox or open RFIs at the end of the project, which positively impacts both the schedule and the budget of our client's projects by allowing us to focus on action and results.