

DWG file exchange

Cross-industry data exchange delivers a connected AEC design experience



DWG files are now supported as a primary file format for the Design Collaboration module in Autodesk BIM Collaborate and Autodesk BIM Collaborate Pro.

Improved workflows and new possibilities

Today's successful projects build on a foundation of seamless data exchange, with civil engineering, plant design, building design, and multidisciplinary teams needing to distribute and share BIM content across multiple file formats.

As a primary file format for AutoCAD, Civil 3D and Plant 3D, DWG files are now supported in the *Design Collaboration module in the same way that Revit and IFC files are supported, in a connected design project ecosystem. This allows AEC teams to participate in streamlined project delivery as they never have before and achieve better outcomes.

Data packages can be created to bundle and share DWG, RVT, and IFC models within a single rich visual environment, providing a more holistic view of the design project for multidisciplinary AEC teams. This means DWG users can eliminate download-reupload cycles through FTP and other sharing methods, and teams can fully manage and present design projects across disciplines in one location and coordinate a controlled data exchange leading to better transparency and saving them time and money.



*Design Collaboration is a module within Autodesk BIM Collaborate and Autodesk BIM Collaborate Pro

Frictionless collaboration. Improved performance.

Multidisciplinary projects just got easier with more organization, a more holistic view of the entire project, and better visibility and control over how designs are exchanged, cross-referenced, and co-created across the industry. Here's a closer look at the new cross-industry workflow.



Civil Engineering



Architecture

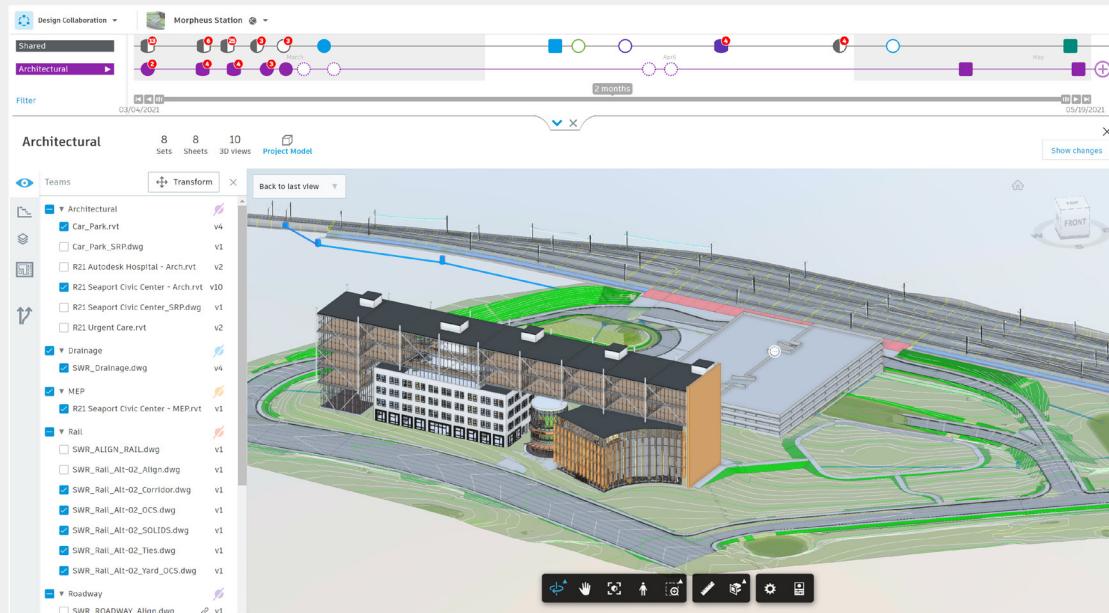


Plant Design

A site grading team selects the information they wish to share, operating with complete control over what is made available to the other teams. A package containing this data is created, shared to the central location, and made available on the project timeline for other teams to consume.

The architectural team sees the new data package from the civil engineering team in the project timeline. They explore the data contained in the package before committing to accept it. If they choose to consume the data, it is transferred to their team data structure and utilized normally.

The plant team identifies the architectural package on the timeline, where they can explore, consume, and utilize the data. Their pipe modelers make use of produced P&ID data along with structural and architectural data to guide their designs. Then they can create a data package, including their models and documentation, to share with the project team.



Cross-industry data exchange can now be a part of every delivery workflow.

Autodesk® BIM Collaborate and Autodesk® BIM Collaborate Pro includes Insight, Model Coordination, and Design Collaboration modules, as well as access to the Autodesk Construction Cloud platform, allowing effective design data exchange management between multidisciplinary teams. BIM Collaborate Pro also includes real-time collaboration capabilities with Revit Cloud Worksharing, Collaboration for Civil 3D, and Collaboration for Plant 3D.

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