AUTODESK® ARCHITECTURE, ENGINEERING & CONSTRUCTION COLLECTION

Connected workflows for structural design, detailing, and analysis with the AEC Collection

Create with ease

Create high-quality, high-performing building designs with a set of BIM and CAD tools that support conceptual and detailed design through to construction.

Explore what's possible

Optimize projects with integrated analysis, generative design, and visualization and simulation tools.

Build with confidence

Improve predictability in the field with tools that maximize constructibility and project coordination.

Business Benefits

Win more work
Access tools that enable you to bid for, win, and deliver more business.

Improve operational efficiency
Automate tasks to reduce design time and improve handoff with streamlined data exchange.

Deliver more sustainable projects
Deliver projects that exceed performance requirements.

Reduce risk
Increase stakeholder buy-in, while reducing errors and rework.

Capabilities

Integrated software tools help structural professionals manage their structural projects from conceptual design through analysis, documentation, detailing, and fabrication.
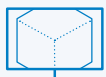
Model

Computational and Generative Design

Documentation
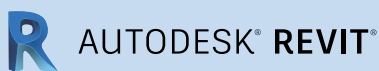
Multidiscipline Coordination

Detailing

Reality Capture

Structural Analysis

Virtual Reality

AUTODESK®

What the tools in the AEC Collection can do for you

R AUTODESK® **REVIT**® Design, analyze, detail, and coordinate structural projects from concept through fabrication in a powerful BIM platform

Design

R **ReCap Pro**
Design in-context with reality-capture and 3D scanning software and services

A **AutoCAD**
Create 2D and 3D design concepts and reuse legacy CAD data

Analyze

R **Robot Structural Analysis**
Conduct structural analysis and code checking; integrates with Revit

D **Dynamo**
Explore and optimize structural designs and automate tasks

Detail

A **Advance Steel**
Detail steel structures for fabrication and bring data into Revit

Coordinate

N **Navisworks Manage**
Identify and resolve clashes with 3D model review

D AUTODESK® **DOCS** Simplify team collaboration and data management with a cloud-based common data environment

What our customers say

"With everyone collaborating on the same intelligent Revit model, we've been able to **improve building quality** even as we solicit input from every stakeholder. We **gained visibility into every aspect of the design**—something that wasn't possible with previous solutions."

— Mathias Kuhn
Structural Engineer
Basler & Hofmann AG

"The Advance Steel software's ease of use, speed of modeling and connection design, and integrated design checks on the fly - combined with the ability to reuse the structural engineer's Revit model- helped us **reduce our anticipated schedule time by approximately 20 percent**."

— Adrian Betts
Drawing Office Manager
TSI Structures

Learn more about the AEC Collection: www.autodesk.com/aeccollection

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