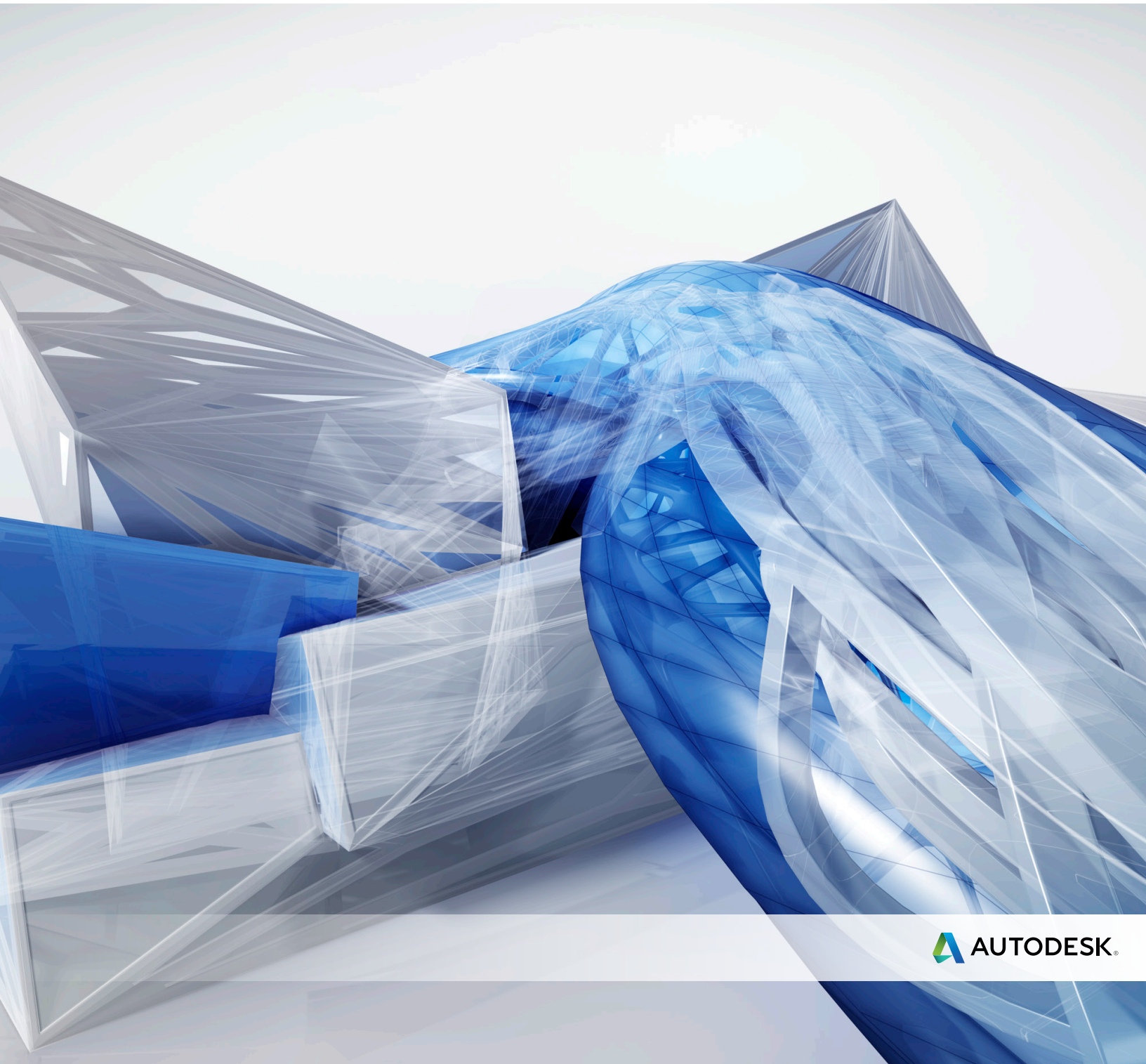**AUTODESK® REVIT®**

Built for BIM

Revit software for Building Information Modeling includes features for architectural design, MEP and structural engineering, and construction.

AUTODESK.

What does Revit software do?

Revit is software for Building Information Modeling. Revit supports a multidiscipline design process for collaborative design. Its powerful tools let you use the intelligent model-based process to plan, design, construct, and manage buildings and infrastructure.
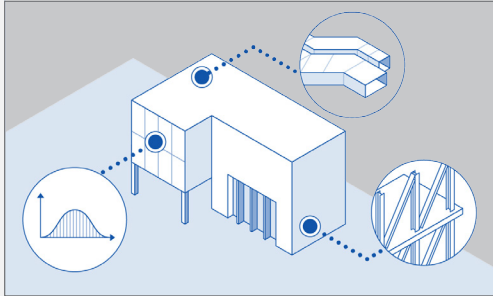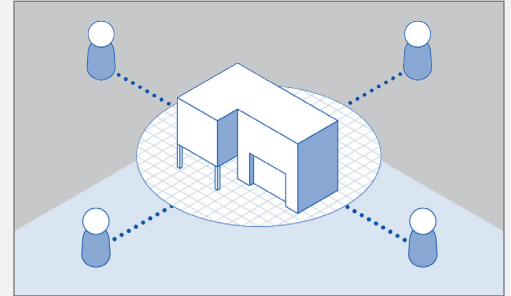
Design

Model building components, analyze and simulate systems and structures, and iterate designs. Generate documentation from Revit models.
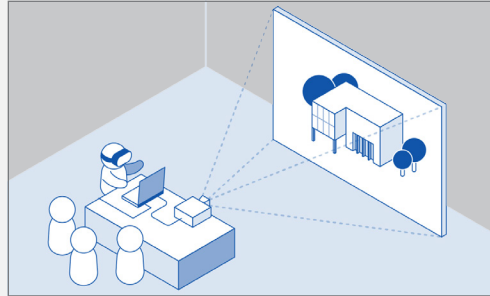
Visualize

Communicate design intent more effectively to project owners and team members by using models to create high-impact 3D visuals.

Collaborate

Multiple project contributors can access centrally shared models. This results in better coordination, which helps reduce clashes and rework.

Multidiscipline BIM platform

In the BIM process, multiple team members can work on the same project at the same time in a centrally shared model. Revit has features for all disciplines involved in a building project, so everyone can use the same software, putting the project at the center and connecting participants in the building design and construction process. When architects, engineers, and construction professionals work on one unified platform, the risk of data translation errors can be reduced and the design process can be more predictable.

The Autodesk commitment to interoperability

Revit helps you work with members of an extended project team. It imports, exports, and links your data with commonly used formats, including IFC, DWG™ and DGN.

Autodesk believes that AEC professionals need to be able to use any application from any vendor at any stage in design, construction, and operations processes. Autodesk is committed to advancing interoperability thoughout the industry by supporting buildingSMART Interational and with Revit add-ins that enhance your ability to conform to interoperability standards and meet owner delivery requirement.

Learn more: **http://www.autodesk.com/ campaigns/interoperability**

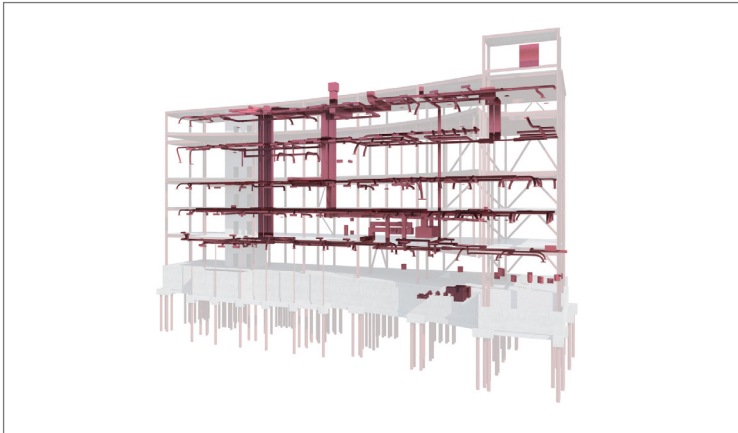## What is Building Information Modeling?

Building Information Modeling (BIM) is an intelligent 3D model-based process that equips architecture, engineering, and construction professionals with the insight and tools to more efficiently plan, design, construct, and manage buildings and infrastructure. Autodesk Revit software is purpose-built for BIM.
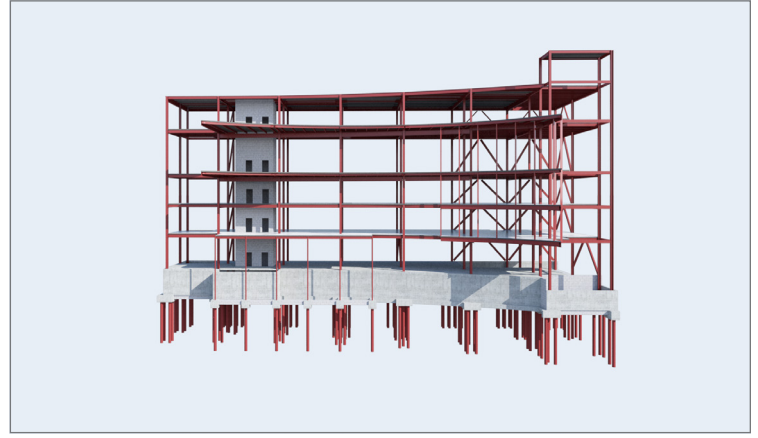
Learn more about Autodesk solutions for BIM: **http://www.autodesk.com/ solutions/bim/overview**
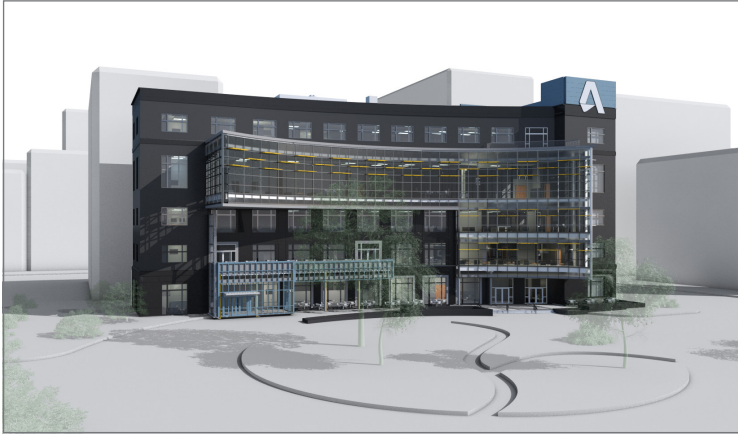
Revit for architects

Use Revit to take an idea from conceptual design to construction documentation within a single software environment. Sketch freely, create 3D forms quickly, and manipulate forms interactively. The software creates floorplans, elevations, sections, 3D views and more all based on your specifications as you design. Optimize building performance outcomes by analyzing materials, quantities, sun position, and solar effects. Generate stunning visualizations and walk-throughs to effectively communicate your designs.
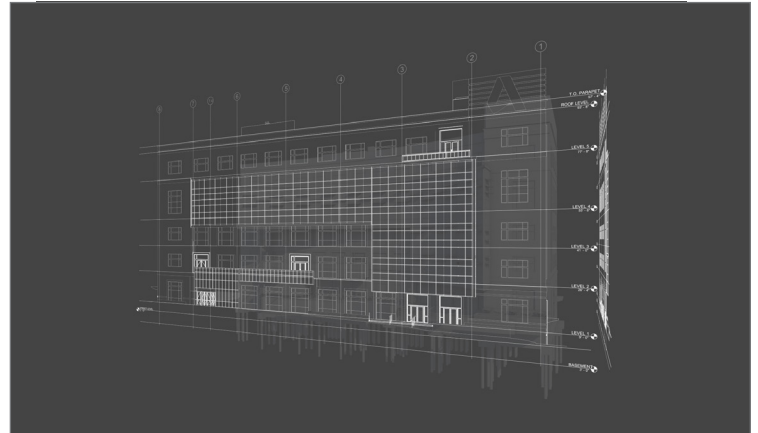

Revit for structural engineers

Use tools specific to structural design to create intelligent structure models in coordination with other building components. Evaluate how well they conform to building and safety regulations. Conduct structural analysis and export to analysis and design applications with the analytical model while you create the physical model in Revit. Connect steel design and detailing workflows. Define design intent for a higher level of detail for steel connections in the Revit model. Model 3D concrete reinforcement in an advanced BIM environment.

Revit for mechanical, electrical, and plumbing (MEP) engineers

Design MEP building systems with greater accuracy and in better coordination with architectural and structural components, using the coordinated and consistent information in the intelligent model. Design, model, and document building systems in the context of a full building information model, including architectural and structural components. Conduct simulations and interference detection earlier in the design process. Use conceptual energy analysis data for engineering-driven calculations. Model for MEP fabrication with tools that automate the fabrication model layout. Prepare a model for detailed coordination of fabrication and installation.

Revit for construction professionals

Evaluate constructability and design intent before construction begins. Gain a better understanding of the means, methods, and materials, and how they all come together. Use Revit models to coordinate information to improve office-to-field efficiency, quality assurance, and quality control. Increase construction site layout productivity. Model steel connections with a higher level of detail. Use tools to better connect structural design to detailing, helping reduce time to fabrication. Use integrated content from fabrication products to convey intent beyond the design phase. Create models ready for fabrication and building systems installation.
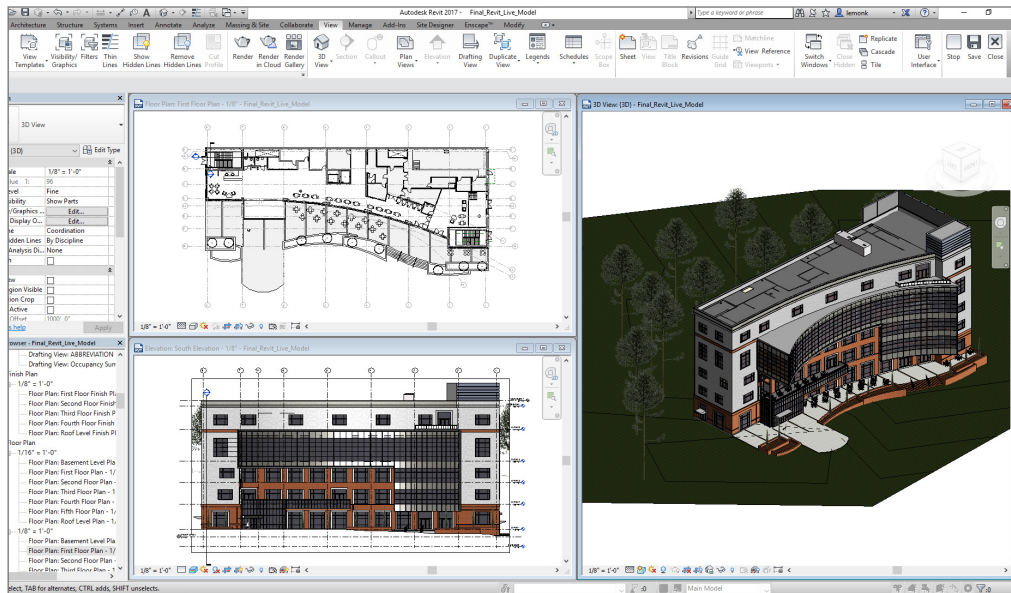
The Autodesk Community

Join a community of design professionals the world over who rely on Autodesk software solutions. Autodesk is a leader in 3D design, engineering and entertainment software.

- Access a global community of users in online User Forums

- Learn, connect and explore at Autodesk University user conferences and online portal

- Rely on the Autodesk portfolio of industry‑leading model based design tools

Extend the power of Revit with cloud services:

- **Rendering**: Produce photorealistic renderings from designs and models, managing large batches of rendering jobs in a fraction of the time required on your desktop

- **Autodesk® Insight**: Use this Revit plug-in to guide better building energy and environmental performance

- **Autodesk® Structural Analysis for Revit**: Run static analysis of structural designs in the cloud directly from Revit

Subscribe to additional services that connect BIM to the cloud:

- **Autodesk® ReCap Pro**: Use reality-capture laser scanning and photogrammetry to better understand existing conditions and verify as-built designs. Convert real-world objects into point clouds for modeling in Revit.

- **Autodesk® Revit Live**: Create immersive visualizations of Revit models in one click

- **Autodesk® Collaboration for Revit** and **BIM 360 Team**: Improve teamwork with centralized access to BIM data with cloud-enabled Revit worksharing and cloud storage, file sharing, design review and communication tools for all stakeholders.

Subscribe to Revit as part of the Autodesk Architecture, Engineering, and Construction Collection

Get Revit as part of a collection of software for building design, civil infrastructure, and construction.

This rich set of software and innovative technologies can help you design, engineer, and construct higher-quality, more predictable building and civil infrastructure projects.

Learn more: **www.autodesk.com/aeccollection**

Learn More or Subscribe

Access specialists worldwide who can provide product expertise, a deep understanding of your industry, and value that extends beyond your software.

Learn more about Revit at **www.autodesk.com/products/revit-family/overview.**

To license Autodesk® Revit® software, contact an Autodesk Authorized Reseller. Locate a reseller near you at **www.autodesk.com/reseller.**

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