BIM for Construction

How BIM Transforms Construction

What if you could model every key aspect of a project before even breaking ground?

With Autodesk® building information modelling (BIM) solutions for construction, you can explore and visualise projects digitally before building them. You can gain greater control over costs, improve co-ordination and help accelerate the pace of projects. And you can overcome many of the challenges common to conventional construction practices, helping you to win more work.
Challenges of Conventional Practices

Have conventional practices ever placed these obstacles in your path?

COMPETITIVE PRESSURES
Owners demand faster delivery and lower costs.

DESIGN CONFUSION
Lack of design clarity slows project execution.

SIGNIFICANT CHANGE ORDERS
RFIs lead to time-consuming change orders and expensive rework.

ESCALATING COSTS
Manual counting and measurement make it difficult to stay ahead of changing material costs.

FIELD RISKS
On-site fabrication increases labour costs, safety hazards and the chance of delays.

CO-ORDINATION COMPLEXITY
Complex task sequencing across trades hampers fast-track projects.
Bring Projects Together with BIM

When you replace conventional practices with BIM, you can gain early insights into constructability, cost, schedule and co-ordination issues. Those insights can then be used to drive better planning and execution in the field.

WIN MORE WORK
Show potential clients how BIM can help them save time and money and improve their building performance and safety.

UNDERSTAND AND CO-ORDINATE DESIGNS
Visualise design intent and communicate it to the field.

REDUCE RISKS
Spot issues before construction to avoid RFI’s, change orders and rework.

CONTROL COSTS
Stay on top of material costs and enable cost savings with off-site prefabrication.

SCHEDULE AND CO-ORDINATE IN 4D
Link tasks, resources and schedules to 3D models.
Grow Your Business with BIM

The BIM process gives you a deeper understanding of how your project can be constructed in the real world, helping you execute more successful projects. Your ability to visualise, co-ordinate, cost and schedule projects increases, helping you to win more work and expand your business.

SEE HOW BIM DELIVERS A COMPETITIVE ADVANTAGE:

▷ How can I explore constructability for clients?
▷ How can I help clients by scheduling and co-ordinating construction processes with greater precision?
▷ What can I do to reduce conflicts, RFIs and change orders on projects?
▷ How can I deliver more comprehensive and reliable estimates quickly?
▷ How can I demonstrate my capabilities to potential clients and partners?

POWER GREENER, LEANER CONSTRUCTION
Choosing Autodesk BIM Solutions

Autodesk is changing the way companies think about their design and construction processes and is helping to create more productive workflows. Construction firms using Autodesk® BIM solutions are improving the way they visualise projects, explore constructability, co-ordinate construction and schedule trades, thus sharpening their competitive advantage. Explore how Autodesk BIM solutions for construction can help you gain winning capabilities.
Make Your Move

**Be Contacted by a Reseller**
Your reseller can help you explore how BIM can improve your processes and workflows. To learn more about upcoming BIM workshops, demonstrations and other events, or to get product and pricing information, request that an Autodesk Value Added Reseller contact you.

**Learn More**
Visit the Autodesk Construction Resource Centre to access free* Autodesk product trial downloads, customer stories, white papers and live and archived webcasts on various construction topics presented by Autodesk experts, customers and partners.

---

* Products are subject to the terms and conditions of the end-user licence agreement that accompanies each software product.

Autodesk, AutoCAD, Buzzsaw, Navisworks, Revit and 3ds Max are registered trademarks or trademarks of Autodesk, Inc. and/or its subsidiaries and/or affiliates in the USA and/or other countries. All other brand names, product names or trademarks belong to their respective holders. Autodesk reserves the right to alter product and services offerings and specifications and pricing at any time without notice and is not responsible for typographical or graphical errors that may appear in this document. © 2010 Autodesk, Inc. All rights reserved.