

A general contractor's digital construction roadmap

With construction projects growing in complexity, general contractors are adopting a new way of working



72%

of construction companies worldwide identified digital transformation as a key priority
(IDC/Autodesk report)

With design and plan phases of construction often now happening simultaneously, general contractors need a common data environment (CDE) to capture data so that partners across the entire project lifecycle can benefit from:



Improved quality and lower rework in the field



Better control over project schedules and costs



Competitive differentiation that means winning more work



“ The team fully embraced digital delivery and we’ve seen huge benefits. One of the most notable things is the quality we’ve handed over to the client at the end of the job. We’ve had less rework on site, we had a smoother transition throughout the different phases – from design through delivery and handover. ”

Ger Hayes, Project Director, John Sisk & Son

Progress your digital construction journey and **implement key processes for better outcomes:**

Move from 2D CAD to 3D BIM workflows

Use 3D tools for modeling, coordination, and clash detection to solve complex problems. Construction firms are achieving measurable results:

- Saving time and money on rework
- Improving constructability of models
- Increased forecast accuracy of project margins
- Optimized schedule durations
- Increased project win rate with more accurate and efficient bids



By resolving design clashes in a digital model before construction, Fortis ultimately saved more than **\$200,000** in potential rework.



Collaborate on your BIM workflows in the cloud

Connect your team, tools, and projects in a common data environment to achieve:

- Reduced overall design time with efficient, automated workflows
- Better stakeholder engagement for increased client satisfaction
- Improved handover experience with better document management for post-occupancy

Mace automated the process of aggregating the design team’s Revit BIM models, reducing the time spent each week on model management from **440 minutes to just 10** – a 98% improvement in design time.

More info: Facebook Data Center project

Ready to start your journey?

Autodesk is a trusted partner in design, offering an ecosystem of end-to-end solutions to help you win in construction.

By pairing Autodesk’s BIM and CAD tools, such as Revit, AutoCAD, and Navisworks with the Autodesk Construction Cloud, you can seamlessly connect your data through all phases of construction.

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