

How BIM Is Powering Digital Transformation in AEC

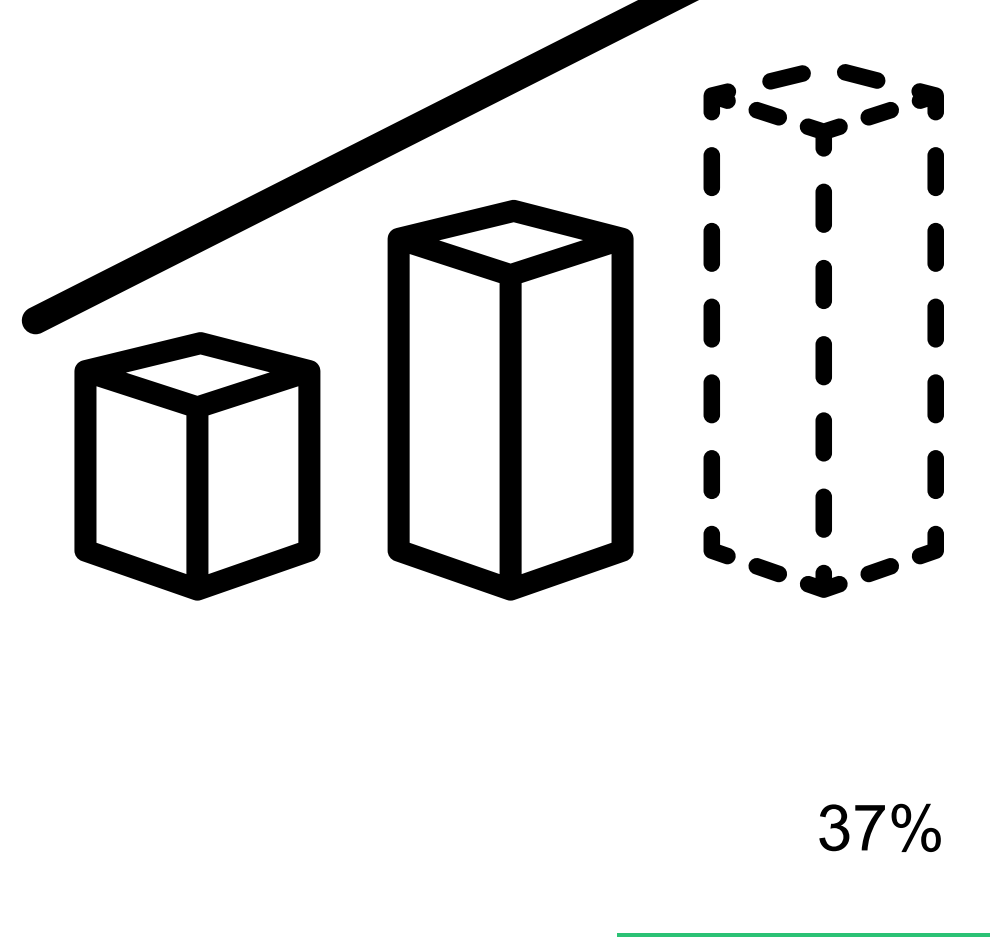
Across the entire industry, BIM is making a big impact.

Autodesk recently partnered with Dodge Data & Analytics to explore the role of Building Information Modeling (BIM) within the Architecture, Engineering, and Construction (AEC) industry. Spanning four continents and gathering the experience of architects, engineers, and contractors, this research highlights why more firms are implementing BIM to drive digital transformation, maximize efficiency, and deliver innovative solutions.



BIM is on the rise

AEC professionals are using BIM to improve data-driven decision-making and power integrated digital workflows. Over the last 15 years, BIM adoption has seen an upwards trend:

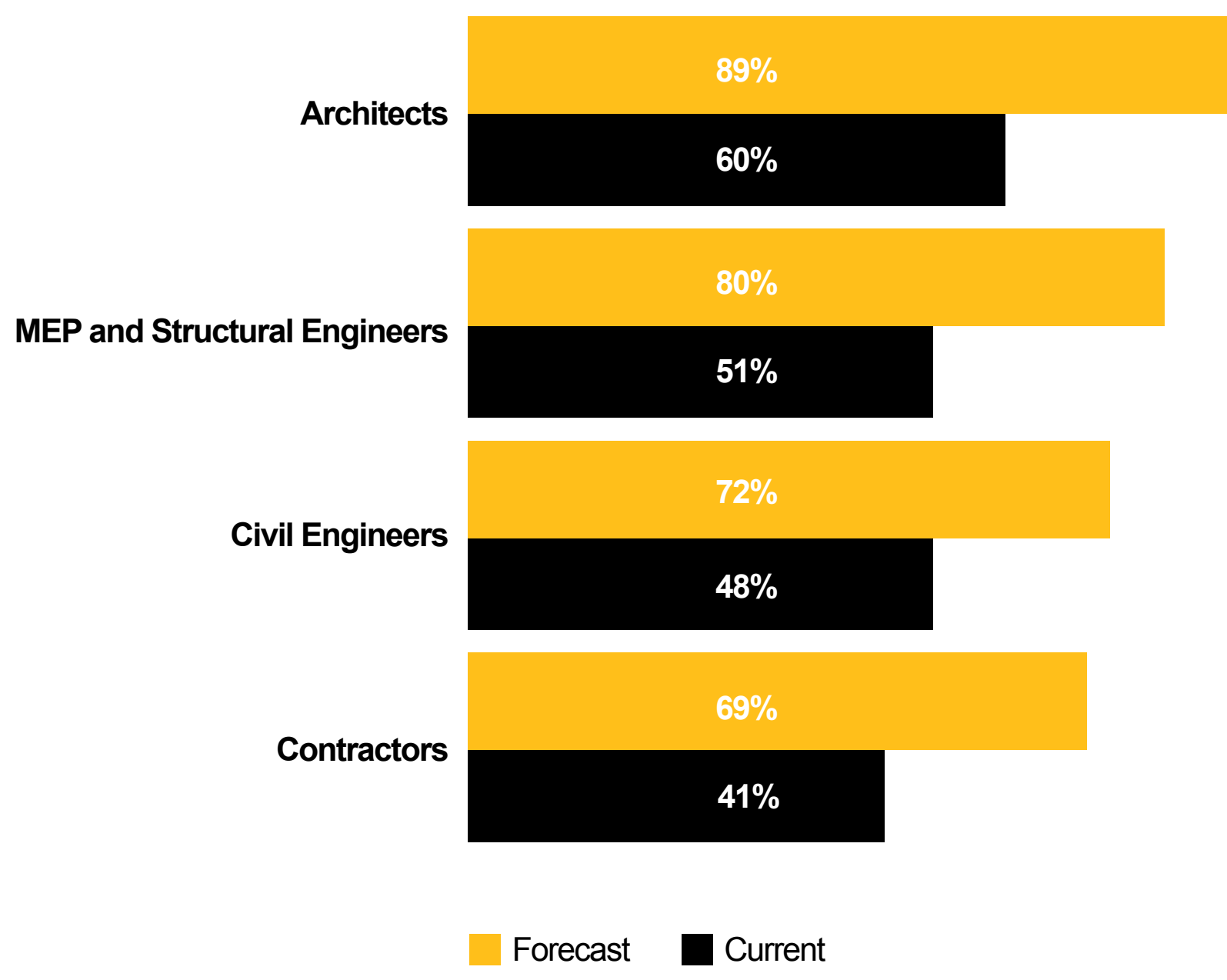


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The BIM process is gaining momentum, aiding companies as they collaborate to tackle bigger and bigger projects.

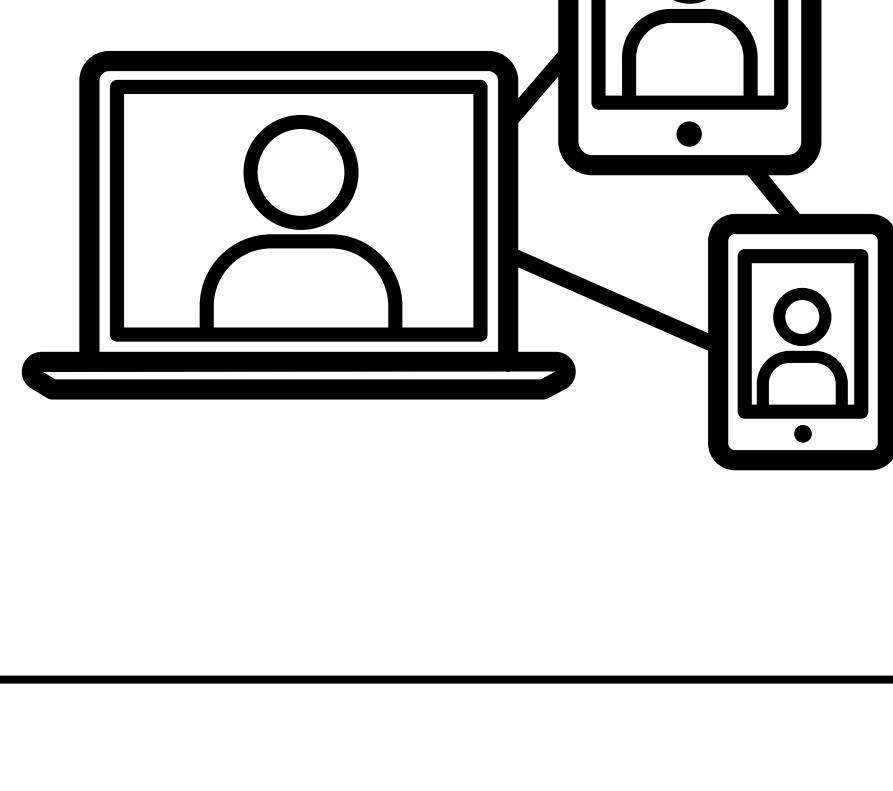
Current BIM usage on 50% or more of projects compared with forecast (2-3 years)



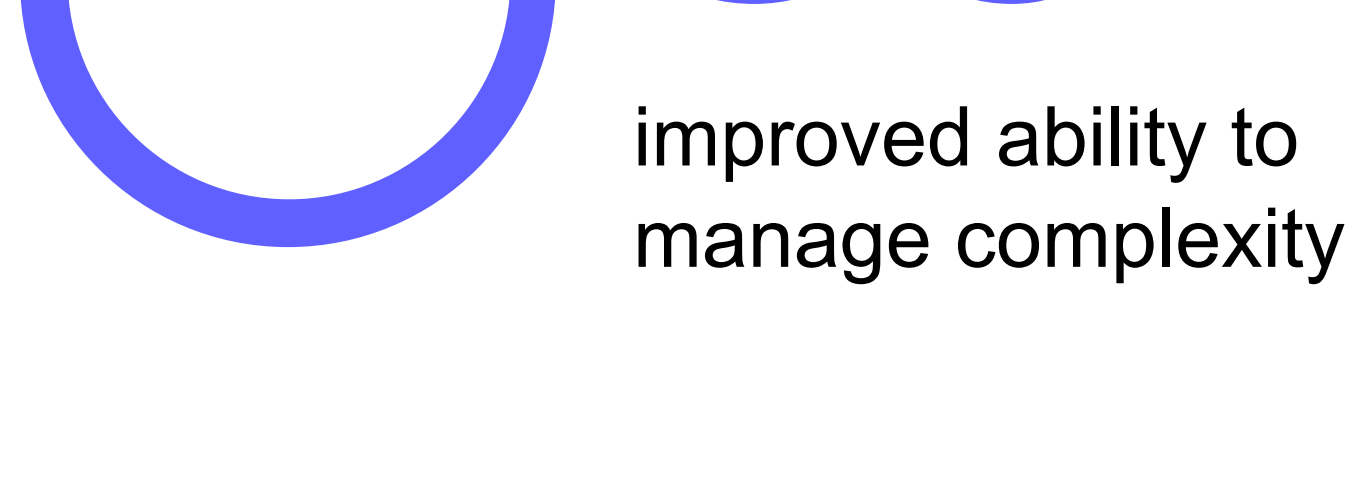
Many stakeholders. Many objectives. One model.

What makes BIM so transformative for AEC professionals?

In a word, results.

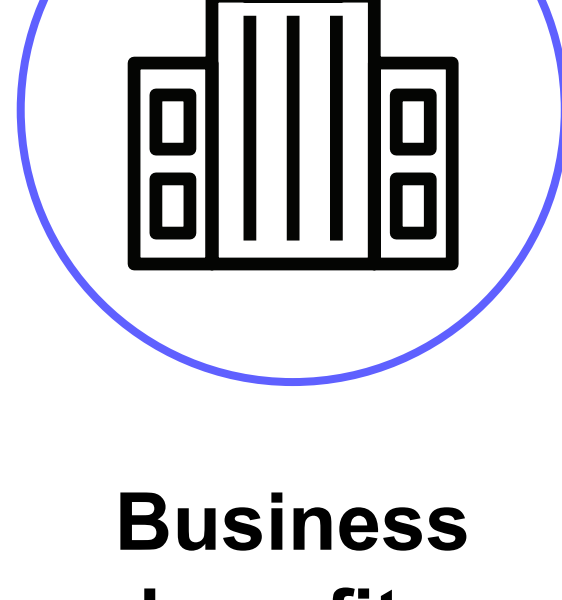


According to the report, architects and engineers using BIM on 75% or more of projects are seeing a huge impact:



This is not a one-size-fits-all process, however. AEC professionals are getting results unique to their needs.

Designers using BIM with high frequency have a clear advantage.



Business benefits

66% improved design quality

47% improved win rate



Risk reduction benefits

62% reduced errors and rework

54% increased stakeholder buy-in



Operational efficiency benefits

67% enhanced team collaboration

55% increased workload capacity

Maximizing value throughout the industry.

Professionals are using BIM customized according to their needs. But one thing is consistent: the more they use the process, the higher value it yields.



29% of projects using BIM with medium to high intensity are achieving ROI of

50% or more.

49% increased productivity of personnel

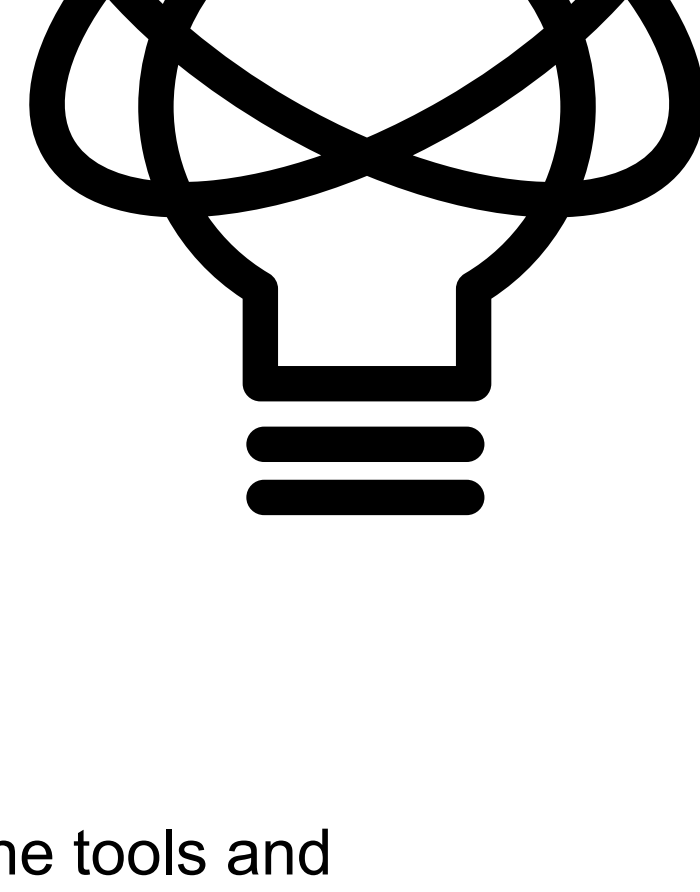
35% improved profitability

34% enhanced ability to offer new services

33% gained positive impact on maintaining repeat business



Design with less limitation. Meet your new possible.



Wherever you are on your BIM implementation journey, Autodesk has the tools and technology to support your design visions and goals. By connecting teams, data, and workflows, BIM processes are reducing costs, increasing productivity, and enhancing collaboration for firms around the world.

Get more insights

➔ Read the full report here

Ready to discover what Autodesk BIM solutions can help you achieve?

➔ Learn more