PlanGrid

THE FUTURE OF BIM

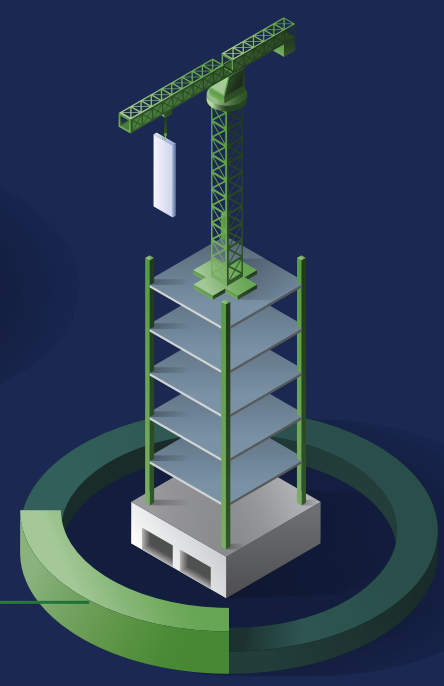
The Impact of Building Information Modeling in Construction–And How It Will Continue to Shape the Built World

BIM HAS BECOME AN INDUSTRY STANDARD IN DESIGN

88%
of architects and engineers say that BIM enables better design insight.
[Source: Dodge Data & Analytics]

BIM'S VALUE IS CLEAR

82%
of BIM users say they've achieved a positive ROI.
[Source: Dodge Data & Analytics]



25%
have seen an improvement in labor productivity.

Among highly engaged BIM users:

84%
say it eliminates unnecessary rework

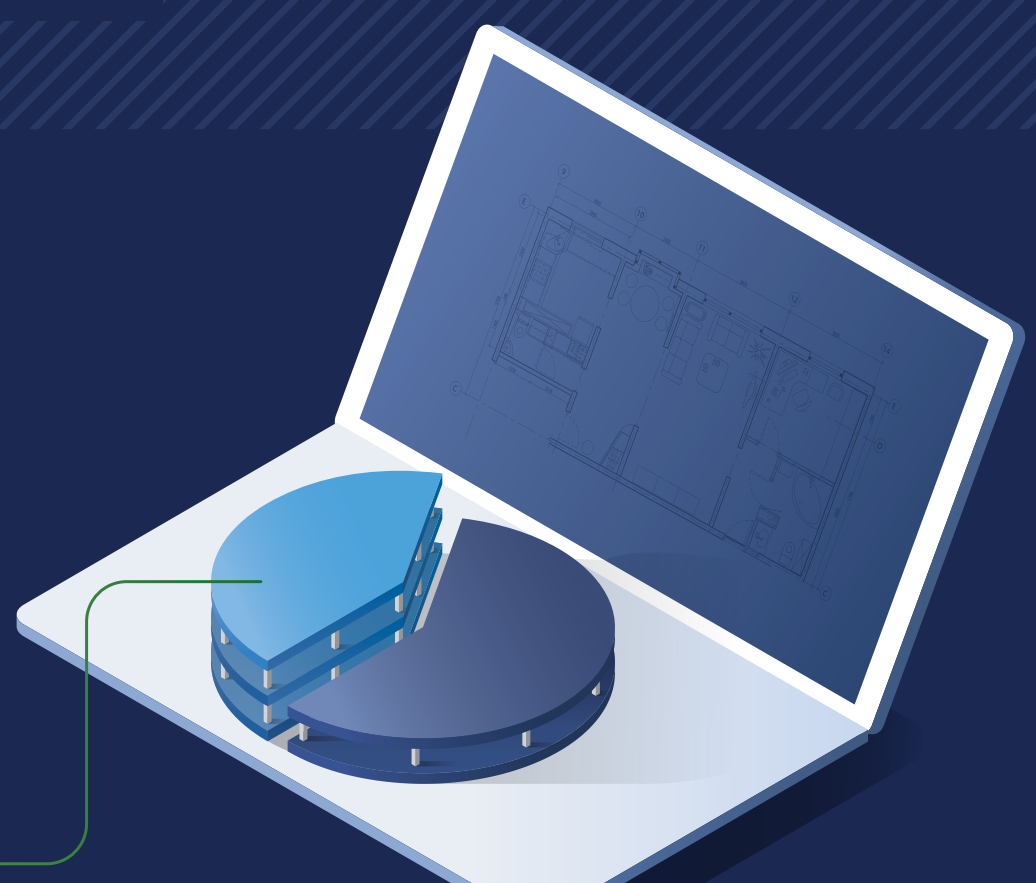
69%
say it reduces costs and materials waste

60%
say it engages the material supply chain earlier and mitigates risk

BUT BIM IS UNDERUTILIZED OUTSIDE OF DESIGN

In the Field...

41%
of construction companies were using some form of BIM in the field.
[Source: theBIMHub]

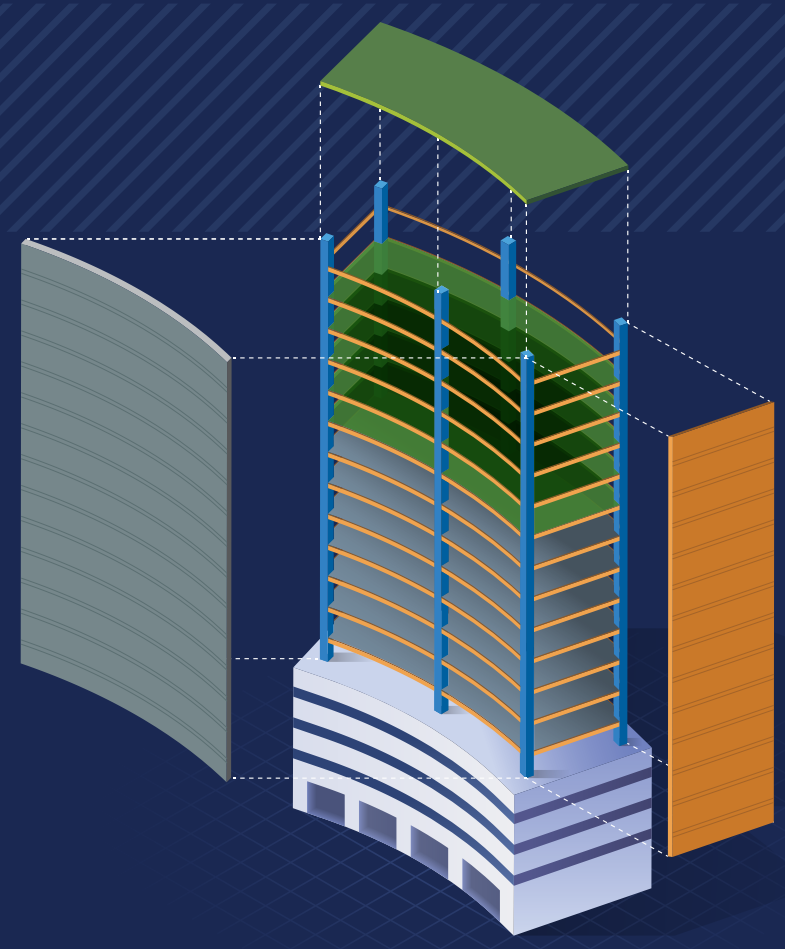


In O&M...

5%
of operating costs per annum were saved in facility management with access to BIM models.
[Source: Spar3D]

But only 14% of US owners believe they currently have the capability to leverage it in facilities maintenance.
[Source: McGraw Hill Construction]

A NEED FOR BIM SKILLS IN THE WORKFORCE



BIM was the 2nd most requested skill, behind field experience, construction firms desire from their future workforce.
[Source: JB Knowledge 2017]

But...

27%
of firms have a

28%
of companies do

59%
of companies state that dedicated BIM/VDC department.
[Source: JB Knowledge 2017]

not bid on projects involving BIM.
[Source: JB Knowledge 2017]

their workforce doesn't have the skills needed to work with BIM.
[Source: CIOB]

TOP WAYS TO USE BIM THROUGHOUT A PROJECT LIFECYCLE

Preconstruction & Design	Construction	Closeout	Operations & Maintenance
• Project visualization • Clash detection • Scheduling • Estimating	• Prefabrication to reduce waste • Update model to account for changes	• Create accurate as-builts • Improve turnover package	• Accurately and efficiently manage facilities • Monitor building performance data

KEY WAYS COMPANIES CAN GET MORE OUT OF BIM

PlanGrid