



BIM Transformation Services Overview

Autodesk Consulting



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BIM Transformation

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Image courtesy of JE Dunn

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Business Value

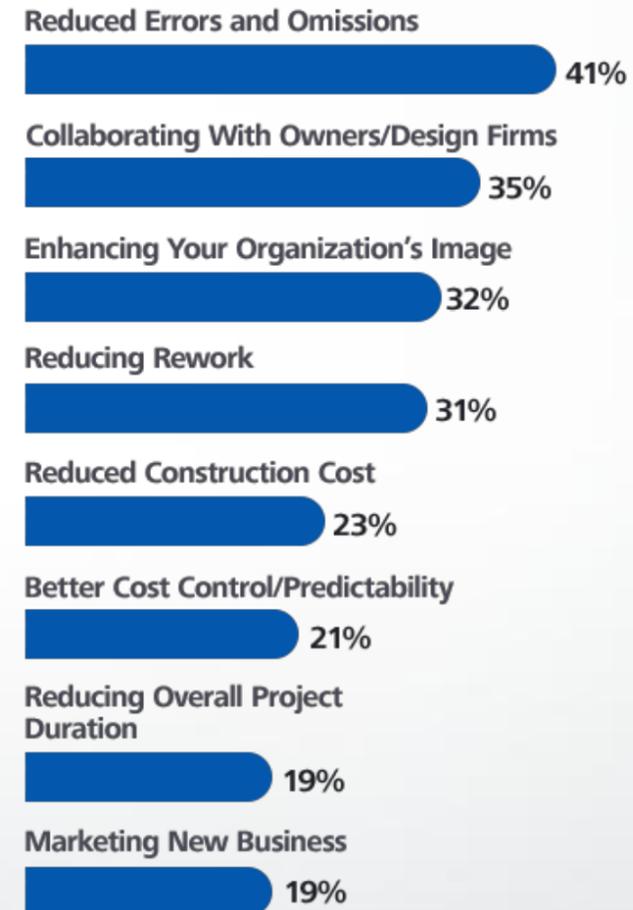
Owners' Ratings of BIM Benefit Statements (Those With a High or Very High Level of Agreement)

Source: McGraw Hill Construction, 2014

	US Owners	UK Owners
BIM Visualization Enables a Better Understanding of the Proposed Design	66%	98%
There Are Fewer Problems During Construction Related to Design Errors, Coordination Issues or Construction Errors	53%	85%
BIM Analysis and Simulation Capabilities Produce a More Well-Reasoned Design	50%	92%
The Use of BIM Generates a Beneficial Impact on Project Schedule	49%	85%
The Use of BIM Generates a Beneficial Impact on Control of Construction Costs	44%	72%

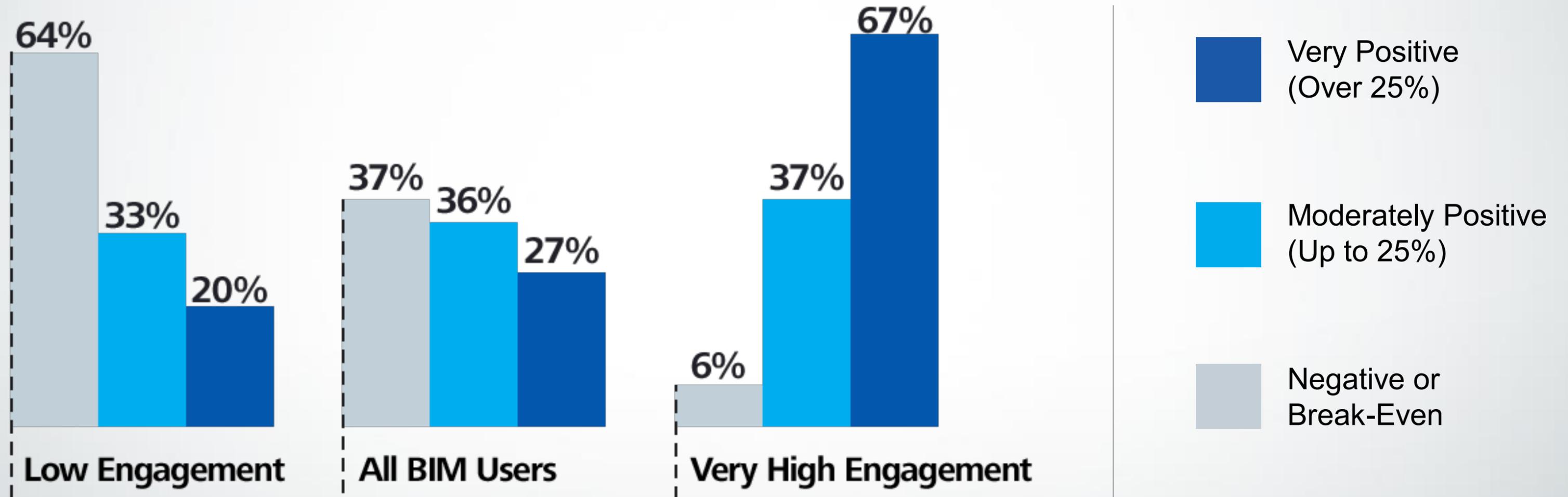
Contractors Citing BIM Benefit as Among Top Three for Their Company

Source: McGraw Hill Construction, 2013



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Level of engagement and success



Source: McGraw Hill Construction, 2012

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Typical business concerns



- How do we *reduce our risks* on the project?
- How do we *meet client requirements* to use BIM?
- How do we maintain both the *project schedule and profit margins*?
- How can we *differentiate* ourselves from our competitors?
- Where can we *extend our services* and revenue opportunities?

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Typical implementation challenges



- Multiple expectations for outcomes
- Pressures of delivery schedule and profit margins
- Minimizing impact to current staff and resources
- Limited resources and funding
- Limited upper management buy-in and vision
- Difficult to demonstrate **and** quantify benefits of investment

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How we can help

Autodesk® **BIM Transformation Services** help companies more rapidly realize the business benefits of BIM to help achieve strategic goals and attain a competitive advantage.

- ✓ Provide a structured approach to align implementation goals with business objectives
- ✓ Address required business process changes
- ✓ Implement standards and workflows that align with your organization

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Services capabilities



Plan



Implement



Optimize

Enterprise

- Solution Strategy
- Solution Planning

- BIM Management Office
- BIM Standards & Compliance
- Ecosystem Integration

- BIM Maturity & Metrics
- Deployment Specialist

Project

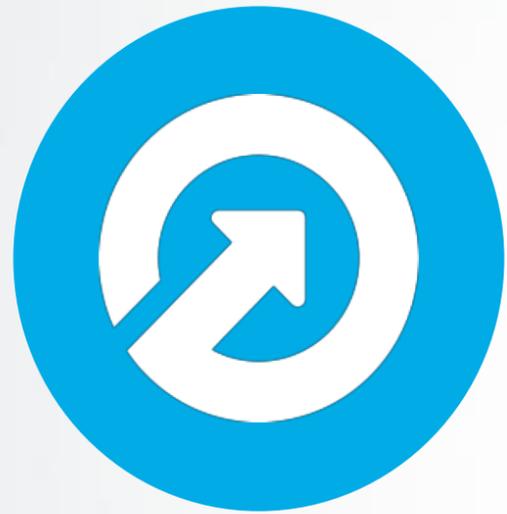
- Project & Business Alignment

- Project Pursuit
- Conceptual Design
- Detailed Design
- Construction Management

- Project BIM Health Check
- Deployment Specialist

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Strategy & Planning services



Plan

- Build a common BIM vision for the overall organization
- Clarify the business value
- Set and manage expectations for success
- Map target capabilities to business goals
- Develop a BIM Roadmap that successfully guides implementation

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Implementation services

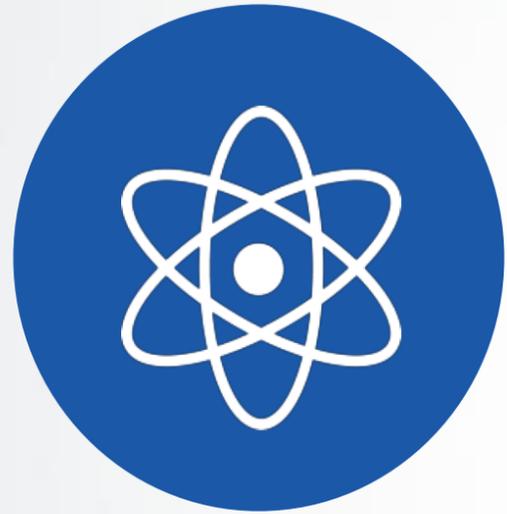


Implement

- Accelerate BIM implementation and integration across your organization
- Implement the most demanded and valued BIM processes with on-the-job mentoring on a live project
- Create flexible standards and processes that can grow and evolve as you advance in BIM maturity
- Streamline implementation by leveraging best practices
- Helps to enable project teams and organizations to become self sufficient

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Optimization services



Optimize

- Establish a culture of continual improvement
- Assess your BIM maturity to help identify:
 - Internal best practices
 - Recommendations for improvement
 - How to develop a competitive advantage
- Conduct Project Health Checks to help correct issues before they become problems
- Mentor and coach your team to assist with adoption of new processes

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Benefits of our approach



Plan more effectively for better results



Accelerate implementation while minimizing risk



Empower your team to leverage new processes and technology

JE Dunn Construction

BIM Transformation Services

“Autodesk Consulting was a great resource for us in developing innovative BIM technology, especially around project planning and estimating early in the project.”

John Jacobs
Chief Information Officer
JE Dunn



Image courtesy of JE Dunn

Challenge

- Proactively mitigate construction risks—such as cost and schedule overruns or technology failures by the use of Building Information Technology (BIM)
- Integrate systems and software from three technology providers to create a dashboard to serve as a single source of project data

Solution

- Autodesk® Enterprise Business Agreement (EBA)
- Autodesk® Multi-Flex
- Autodesk® Consulting BIM Transformation Services
- Autodesk® BIM 360

Results

- Autodesk Consulting helped to develop a system for enhanced collaboration across project teams and disparate technology providers
- Stronger relationship with Autodesk Consulting
- Expanding access to BIM technology

HDR Engineering

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“Autodesk Consulting offered the breadth and the depth of expertise to evaluate and also to establish our road map for the future as we contemplate on how to take it up a notch for our clients.”

Jim Wajda
Chief Technology Officer
HDR Engineering



Image courtesy of HDR Engineering

Challenge

HDR Engineering wanted:

- Evaluation of their BIM capabilities and an industry benchmark comparison
- Technology agnostic advice on developing their BIM Roadmap
- Assistance with migrating their design teams to model-based design tools and processes

Solution

Autodesk® Consulting Services included:

- BIM Maturity Assessment
- Development of a BIM Roadmap
- Project BIM Implementation Services (training, mentoring, configuration and process)

Results

HDR was able to:

- Increase executive awareness and alignment around BIM goals, and develop a corporate roadmap
- Reduce re-design time up to 20% when using model-based design coordination
- Improve customer experience through enhanced understanding and visualization of the project

Shayona Land Corporation

BIM Transformation Services

“Autodesk Consulting helped us define a BIM process that improved coordination with our architecture, engineering and construction service providers.”

Llewellyn Rozario
Vice President
Shayona Management Services

The logo for Shayona Land Corporation, featuring the word "SHAYONA" in white, bold, uppercase letters on a red rectangular background.

Challenge

Shayona was experiencing:

- Lack of consistent coordination among AEC disciplines, resulting in project delays.
- A higher than average number of change orders during the construction process causing unplanned costs
- The need to improve quality and reduce overall project time.

Solution

Autodesk® Consulting BIM Transformation Services:

- Helped Shayona define its strategy and goals for a coordinated adoption of BIM
- Delivered a BIM Project Execution Plan that aligned with Shayona’s objectives
- Shared best practice guidelines and training for successful BIM adoption

Results

Shayona is now able to:

- Leverage BIM to help increase efficiencies with a well-coordinated AEC team
- Deliver higher quality projects at a lower cost
- Greatly reduce cycle times which should help them to realize more profit

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Customer Success Videos

Construction

- Play [JE Dunn](#) video
- Play [Gilbane](#) video
- Play [BAM](#) video

Engineering

- Play [HDR](#) video

Representative Clients | BIM Transformation Services





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