In 2012, BIM adoption for water projects was among the lowest in the infrastructure sector. By 2018, engineers, contractors and owners had rapidly taken to implementing BIM on their projects. With BIM, project teams can deliver more accurate designs and increase reliability on projects, helping to improve project quality and minimize costly project overruns.

**RAPID BIM ADOPTION**

**TOP PROJECT BENEFITS OF BIM**

- **68%** Delivered better designs
- **57%** Reduced errors and omissions
- **42%** Improved ability to maintain project quality

**ABANDONING BENEFITS**

- **3%** Reduced workflow cycle times
- **2%** Reduced errors during construction
- **2%** Reduced contractor costs

By digitally building things in a BIM environment before mobilizing the workforce, you’re reducing risks, finding challenges earlier and reducing costs.

**GUY VOSS**

Director, Business Development, McCarthy Building Companies

**BIM IN ACTION**

**THE BUSINESS IMPACTS OF BIM**

Plant projects can be complex. BIM helps engineers and contractors improve how project teams collaborate and manage costs, helping to deliver better projects and enhance client satisfaction.

**THE ROI FOR BIM ON WATER PROJECTS**

Key factors to determine ROI from the use of BIM in water projects.

- **58%** Improved project team collaboration
- **45%** Reduced rework, keep projects on schedule and on budget
- **35%** Improved safety
- **25%** Faster approvals
- **20%** Better safety performance
- **10%** Reduced project duration

**ADDITIONAL BENEFITS**

- **45%** Increased client satisfaction through better cost management
- **35%** Enhanced reputation as a leader in the industry

**THE ROI FOR BIM ON WATER PROJECTS**

Any project can be complex. BIM helps engineers and contractors improve how project teams collaborate and manage costs, helping to deliver better projects and enhance client satisfaction.

**GET THE MOST OUT OF BIM**

Learn more about Autodesk BIM for plant design at AUTODESK.COM/SOLUTIONS/BIM/PLANT-DESIGN

Discover customer insights on the benefits of Autodesk BIM for plant solutions at AUTODESK.COM/PLANT-CUSTOMER-INSIGHTS

Explore how the Autodesk Architecture, Engineering, and Construction (AEC) Collection provides the BIM solutions you need for your water projects at AUTODESK.COM/AECCOLLECTION

Contact Autodesk: AUTODESK.COM/SOLUTIONS/BIM/INFRASTRUCTURE/CONTACT-ME

In their 2018 report, Dodge Data & Analytics reported that worldwide adoption rates for the use of BIM for water sector projects are on the rise, improving cost efficiencies, enhancing collaboration and reducing risks throughout these projects.

WHAT IS THE VALUE OF BIM FOR WATER PROJECTS, AND WHAT DOES THIS MEAN FOR YOU?

- Reduced rework during construction
- Better cost control
- Reduced workflow cycle times
- Reduced errors during construction
- Reduced contractor costs

**ADDITIONAL BENEFITS**

- Increased client satisfaction through better cost management
- Enhanced reputation as a leader in the industry

**THE BUSINESS VALUE OF BIM FOR WATER PROJECTS**

- **30%** used BIM in more than 50% of projects.
- **88%** of water/wastewater treatment facilities used BIM.
- **97%** expected BIM adoption rate in the water sector.


www.construction.com/toolkit/reports/business-value-bim-water-projects