

Digital Construction

Better Data. Better Projects.

Bentley, committed to expanding on 4D capabilities, now delivers a purpose-built digital construction platform.

Construction teams are managing multiple projects in multiple locations at once. Visibility and clear communication are strained by paper processes and manual data input.



TODAY'S CHALLENGE:

With so many parties both in the field and in the office, it is often difficult to relay information from one party to the next.

Miscommunication and poor project data accounts for 48% of all rework on U.S. construction job sites, costing the industry over USD 31 billion annually according to FMI research.¹

TODAY'S OPPORTUNITY:

Forbes magazine reports that construction technologies making the biggest difference are those that capture, analyze, and distribute more information from the job site faster and more accurately. But the U.S. civil construction industry overall lags in its digital sophistication, with only 20% with a high degree of capabilities compared with 45% outside the U.S., leaving a large opportunity for improvement.²

The 3 Steps to Going Digital

4D/5D Construction Models



Establish the real source of truth of data for the entire project team and help solve the time-cost conundrum, increase safety, and reduce employee and project risks.

Cost Management



Enable project and cost managers to oversee contracts and project budgets more easily to improve risk management and gain real-time insight into the financial health of projects.

Performance Management



Give construction teams the ability to update and immediately share information in the field and gain insight into early warning signs for issues that can become major schedule and cost expenditures.



Switch to Digital Construction Today

Sources:

1. Construction tech startups are poised to shake up a \$1.3-trillion-dollar industry, TechCrunch, 2020

2. How Technology Reduces Unpredictability In The Labor-Strapped Construction Industry, Forbes, 2022

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Advancing Infrastructure