Digital Construction: The Future of the Industry

The construction industry needs to continue advancing with intelligent data analysis—and digital construction workflows can get you there

It's a familiar theme. While the construction industry continues to evolve, we know that it is struggling to keep up with the demand for new and improved infrastructure. Particularly, large civil projects have unique challenges. These project leaders face shorter schedules, tighter budgets, and increasing project complexity.

There is a need to focus on data-driven decision-making and seamless integrations to drive productivity and profitability. One way that project leaders can meet these goals is with digital construction workflows, which include automating workflows and using technology to eliminate paper and manual process, as well as leveraging technology like 4D modeling to transform the way that work is done.

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Intelligent data, as well as data analysis, saves time and cost while also improving safety and efficiency. However, data is often not structured and in disparate systems. As a result, teams only use about 4% of available data and spend half of a day looking for that information.[1] Digital construction platforms can transform the way that project leaders and the industry work by:

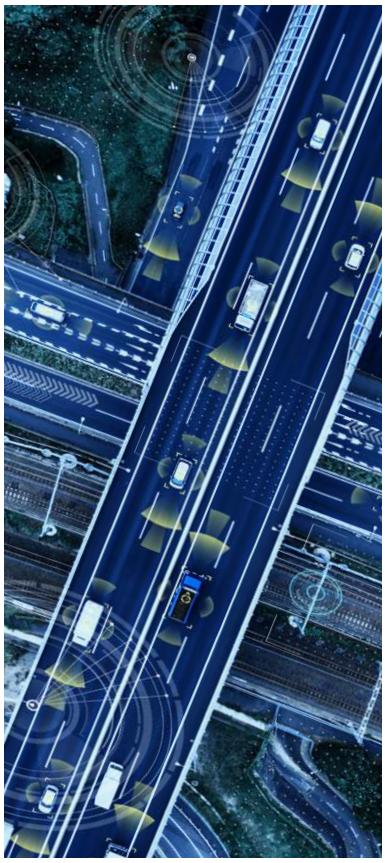
- **Increasing collaboration and efficiency**
  McKinsey & Company have reported that on average, a construction project runs 20% over schedule.[2] With digital construction workflows, project leaders can access up-to-date material, cost, and schedule information in real time and in a single location, making it easier to effectively share and communicate information.

- **Making data-driven decisions faster**
  When working in the field, it can be difficult to get the information that you need to make the necessary data-driven decisions. Intelligent data analysis through digital construction workflows enables optimized decision-making in the field, letting you detect and prevent issues early on to provide safer, more efficient work to your team and clients.

- **Meeting project goals on time and within budget**
  According to Mace, a recent study found that up to 80% of all large projects globally run overbudget.[3] Digital construction management eliminates siloed workflows and allows for easier third-party collaboration. This streamlined process saves significant time and helps keep you within your budget. It also supports data reuse for improved future project management, meaning that all your future projects will be go smoothly as well.

What civil construction project leaders need is a no-frill solution that provides everything necessary to successfully manage on-site operations and project data, all in a single location. Digital construction meets these needs.

To learn more about how digital workflows can help you overcome common challenges in civil construction, check out our e-book ***3 Key Issues in Civil Construction Projects—And How You Can Overcome Them.***



Intelligent data, as well as data analysis, saves time and cost while also improving safety and efficiency, transforming the way that project leaders and the industry work

1. Big Data = Big Questions for the Engineering and Construction Industry, FMI, 2018.
2. The construction productivity imperative, McKinsey & Company, 2015.
3. A blueprint for modern infrastructure delivery, Mace, 2019.

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