



# 3 Key Issues in Civil Construction Projects

*And How You Can  
Overcome Them*



# Advancing Technologies Can Overcome Construction Challenges

While demand for new and improved infrastructure continues to expand, the construction industry is struggling to keep up. It is hindered by data silos and poor-quality data. In fact, 30% of companies use applications that do not talk with one another and 90% of data is not structured. Research has found that only 4% of available data is being used by the project teams.<sup>1</sup>

**With the right technology, we can transform the landscape of infrastructure construction.**

For linear construction projects, such as roads and bridges, interactive construction management solutions could help alleviate the constant delays and over-budget problems facing the industry.



# Driving Productivity

Recent studies have shown that the average construction project runs 20% over schedule<sup>1</sup> while globally, 80% of all large projects run overbudget.<sup>2</sup> One of the best ways to increase productivity is to reduce the time spent filling out paperwork, emailing, or calling for approvals. This way, supervisors can more effectively manage personnel and overcome the common challenges of civil construction projects.

Thankfully, the recent rise of instant-on, cloud-based technologies and digital workflows extend the reach, affordability, and accessibility of applications that allow organizations to be more productive.

While changing how you work may seem daunting, it is essential. Organizations that continually run over will not be as successful in winning future projects. As your teams face tightening deadlines, heightened expectations, and increased competition, you can no longer afford to rely on unmanaged and siloed methods of collaboration.

1. The construction productivity imperative, McKinsey & Company, 2015.

2. A blueprint for modern infrastructure delivery, Mace, 2019.

***By implementing end-to-end construction document and task management solutions, project managers can overcome the following 3 issues in civil construction projects:***

**1) Spatial logistics over large sites or long linear projects**

**2) Accessing and capturing data in the field**

**3) Lack of structured, timely, and accurate data analysis**



## ISSUE 1 | SPATIAL LOGISTICS OVER LARGE SITES OR LONG LINEAR PROJECTS

When working on the jobsite for civil construction projects, it can be difficult to see the progress and make the necessary decisions. Inefficient communication between the office and the field leads to decreased efficiency across the whole project.

It's challenging to manage tasks and coordinating with resources spread over these large-scale projects. However, digital construction management software can make it easier for project leaders to organize this vast amount of information into a single location.



## ISSUE 2 | ACCESSING AND CAPTURING DATA IN THE FIELD

With civil construction projects, the major challenges often include changes in scope and change orders, disagreements between contractors and subcontractors, and poor monitoring of personnel and equipment. These issues can make it difficult for project managers to make data-driven decisions when and where they need to, wasting both time and cost. Project leaders need to ensure that field staff has the necessary information to work based on what they are doing and where they are.

In today's industry, one delay or mistake can have a huge ripple effect, lengthening design and approval processes and making it significantly harder to reliably deliver your best-quality projects. With construction management software, project managers can see progress through georeferenced images and videos, leading to better collaboration and overall efficiency.





## ISSUE 3 | LACK OF STRUCTURED, TIMELY, AND ACCURATE DATA ANALYSIS

When there is a lack of structured, analyzed data on civil construction projects, the information is neither timely nor accurate

An organization looking to improve scheduling, data management, and information distribution will save money and time on projects, increasing profitability. With the right construction task management software, project managers can get the most accurate and up-to-date information in real time to make the best decisions and keep the project moving forward.

# SYNCHRO Control and Field | Get Time on Your Side.



**SYNCHRO Control** is our complete end-to-end construction document and task management web solution that provides one place to access, manage, collaborate, and analyze construction data. **SYNCHRO Field** is our mobile construction management environment that communicates up-to-the-minute information from the jobsite—even when offline.

## With SYNCHRO Control and SYNCHRO Field, you can

- Increase collaboration and efficiency
- Make data-driven decisions faster
- Meet your project goals on time and within budget

[Learn more about SYNCHRO Control and SYNCHRO Field today.](#)