Are You Choosing the Best Heavy Civil Construction Technology for You?

When it comes to managing heavy civil projects, construction contractors still rely on manual processes to plan, schedule, and manage their tasks. These methods are riddled with siloed data and errors, ultimately resulting in projects running over budget and over schedule. But there is a better way.

Like so many industries, heavy civil construction is ready and ripe for going digital. The choice is easy – embrace new technologies or take the chance of being left behind. But choosing a digital construction management solution is not always straightforward, which is why we created this checklist for you. To help you decide what is the best solution for you and your team.

Solution Capabilities

	SYNCHRO™	Vendor 1	Vendor 2
4D/5D Planning and Virtual Construction: Create and manage 4D/5D models specific to your heavy civil construction projects	☑	☐	☐
Project Management: Connect resources, workflows, and the entire project team in one location	☑	☐	☐
Project Performance: Make project information available to all relevant team members, based on defined authority levels	☑	☐	☐
Cost Management: Manage construction contracts, change orders, and payment applications	☑	☐	☐
Field Management: Access and capture up-to-the-minute information from the jobsite — even when you are offline — and communicate back to the office in near real-time	☑	☐	☐

Solution Features

	SYNCHRO™	Vendor 1	Vendor 2
Project Insights, Dashboards, and Data Analysis: Track the past and know with confidence where you are going and how to get there faster	☑	☐	☐
Model-based Progress Tracking: Track the progress of your project visually	☑	☐	☐
Model-based Planning and Quantity Take-offs: Collaborate easier, optimize schedules, and communicate visual plans in real time and iterate designs to optimize project plans using real-time information	☑	☐	☐
Performance Management: Track daily progress and resource usage to better understand the current project position to optimize productivity and cost performance	☑	☐	☐
Document Management: Receive, track, manage, and store all project related documents and models and access them from the field	☑	☐	☐
Contract Management: Capture contract highlights for quick reference and decision-making in one place	☑	☐	☐
Issue and Task Management: Communicate problems found in the field with project stakeholders in real-time for quick resolution	☑	☐	☐
Site Records and Daily Reports: Simplify field reporting with configurable forms and workflows and gain real-time access to daily records to verify and communicate what's occurred on site	☑	☐	☐
Resource Management and Equipment Tracking: Easily capture equipment and material usage and provide accurate daily costs to optimize resources	☑	☐	☐
Geo-location/Map and Location Services: Gain context into issues and their location, and their relation to the project	☑	☐	☐

Solution Technology

	SYNCHRO™	Vendor 1	Vendor 2
Scalable Technology: Adopt technology that can grow and change with your business needs	☑	☐	☐
Easy and Quick Implementation: Implement a user-friendly and intuitive solution that is easy for your team to adopt and use	☑	☐	☐

	SYNCHRO™	Vendor 1	Vendor 2
Integration: Integrate with your other business systems and processes with flexibility	☑	☐	☐
Mobile Friendly: Gain intuitive mobile access for all your field personnel	☑	☐	☐
Web-based: No installer, no IT overhead, just access to your project data now	☑	☐	☐

Solution Vendor Partnership

	SYNCHRO™	Vendor 1	Vendor 2
Training/Support: Access on-site and remote training documentation, videos, and help guides	☑	☐	☐
Product Development: Ensure that changing business and industry needs are met with an active development and ongoing strategy	☑	☐	☐
Hosted/Managed: Always have price certainty; no on-site IT support needed	☑	☐	☐

The right digital construction management solution will empower you and your teams to gain access to real-time data, win new projects, deliver them more efficiently, and increase profitability.

Learn more about how our integrated digital construction management platform is designed specifically for your heavy civil construction needs.

Contact Us ›

Bentley®
Advancing Infrastructure