

SYNCHRO™

Digital Construction
Delivery Software





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Understanding the Construction Sector

The construction sector stands as one of the world's largest economic drivers, generating over USD 12 trillion in annual revenue and employing more than 200 million people globally.

Despite being one of the biggest industries in the world, it historically has been among the slowest to digitize and innovate.

Construction teams must navigate complex sets of information, coordinate between multiple stakeholders, manage tight schedules and budgets, ensure worker safety, and adapt to evolving project complexities and regulations—all while delivering increasingly ambitious projects in an environment where skilled labor shortages and material costs continue to rise.



Key industry challenges include:



**Cost overruns
and delays**



**Poor data
management**



**Ineffective
resource tracking**



**Collaboration
challenges**



**Risk and safety
management**



**Lack of
real-time insights**



**Disconnects
between design
and construction**

What is SYNCHRO?

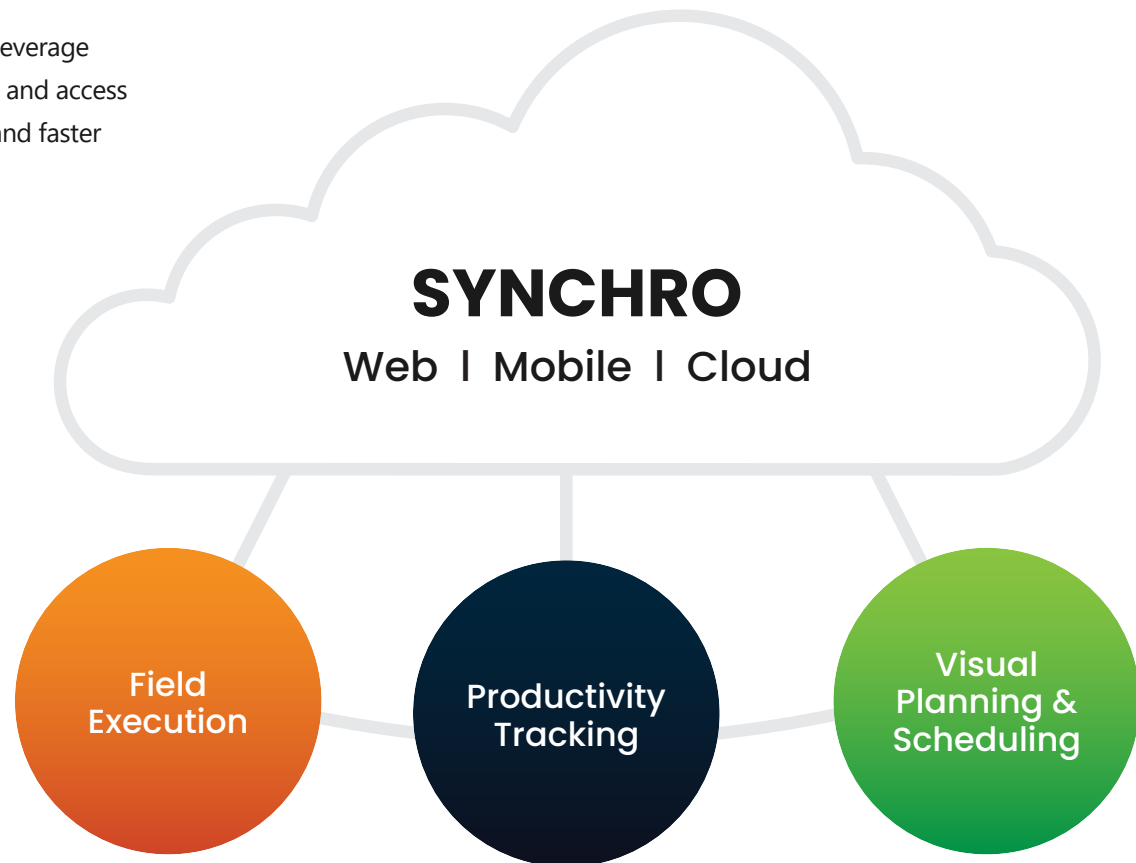
To meet these challenges, construction teams must leverage the best digital solutions to better manage, connect, and access project data — ensuring that they can make better and faster project decisions.

SYNCHRO was built with those goals in mind.

SYNCHRO is digital construction delivery software that provides advanced 4D planning, scheduling, and productivity tracking capabilities – connecting field to office – empowering teams to deliver projects with greater certainty and fewer risks.

Teams can seamlessly capture, access, and analyze their data in full project context while better managing tasks, people, materials, and equipment.

With SYNCHRO's robust cloud collaboration, teams can connect all project teams and stakeholders, whether on the job site or in office.



SYNCHRO at a High Level

Discover a few of SYNCHRO's features that drive value for construction...

10 Key SYNCHRO Features

- 1. Drive winning projects** with digital construction delivery software – powered by iTwin®
- 2. Leverage the powerful critical path method (CPM) scheduling engine**, equipped with Gantt views and bi-directional connections with P6, Microsoft Project, and other scheduling applications
- 3. Advanced visual planning and 4D modeling capabilities** including slicing and dicing models into constructible components for quantity take-off and scheduling
- 4. Manage your tasks and data in real time** with 2D, 3D and 4D context, using web browser and mobile applications
- 5. Expedite operations** in the field, including inspections, time tracking, and resource optimization
- 6. Access all 3D/4D models**, PDFs, documents, and project capabilities directly in the field on mobile devices
- 7. Benefit from rich engineering data** and construction insights, both in the field and in the office
- 8. Exploit the power of AI** to search for and find photos, videos, and other content in seconds
- 9. Integrate directly with ProjectWise® Design Integration** to extend design content into construction delivery
- 10. Geolocate everything**, including PDFs, issues, inspections, photos, weather, and workflows

SYNCHRO Field

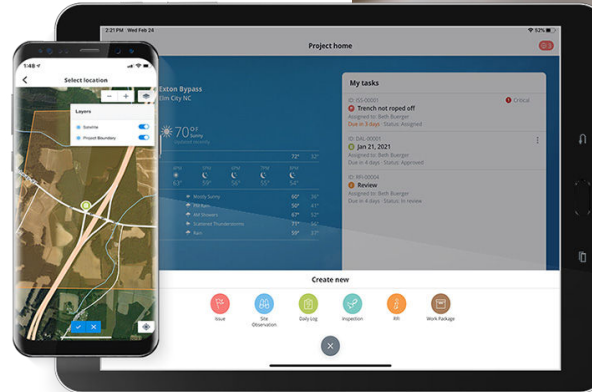
Solution for:
Field Execution

Built for:
Superintendents, Foremen, Inspectors, Field Engineers,
Project Managers

- ◆ SYNCHRO Field is a mobile solution built to solve field execution challenges.
- ◆ SYNCHRO Field makes it easy to access and capture data in context through maps, geo-PDFs, 2D CAD, and 3D/4D models. Teams can easily capture project updates, handle inspections and RFIs, create custom forms, flag issues, and view model progress. This real-time project visibility drives quicker decisions, improving overall productivity, quality, and safety.

Key Features

1. Know where you are on large construction projects (geo-location services)
2. Simplify your day-to-day tasks, RFIs, inspections, and daily logs, quickly resolving issues
3. Track project models in the field, even when offline
4. Capture real-time data at any moment
5. Access all project documents and media



SYNCHRO Control

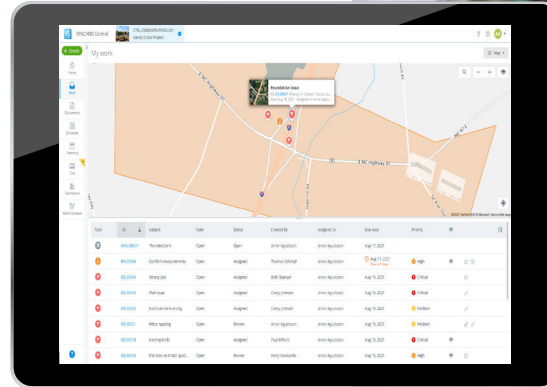
Solution for:
Project Management

Built for:
Project Managers, Project Directors, Safety Managers,
Operations Managers

- ◆ SYNCHRO Control is a web solution for document, data, model, and task management.
- ◆ Teams stay connected around one central hub of project information. SYNCHRO Control makes it easy with its intuitive project tracking and analysis, ensuring real-time control and access of all project progress, as well as full team visibility and collaboration at every project phase.

Key Features

1. View PDFs on a map
2. Filter photos and videos by geo location, date/time, context, and content
3. Set guest access permissions to help decide who on the project can view what information
4. Integrate with 4D models for schedule and sequencing views
5. Configure forms to your team's needs and export them to your own PDF for archiving

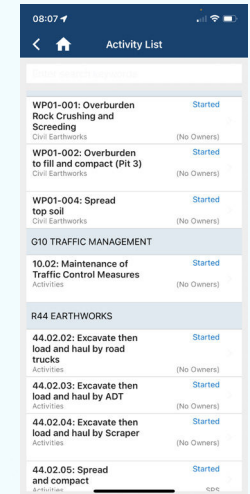
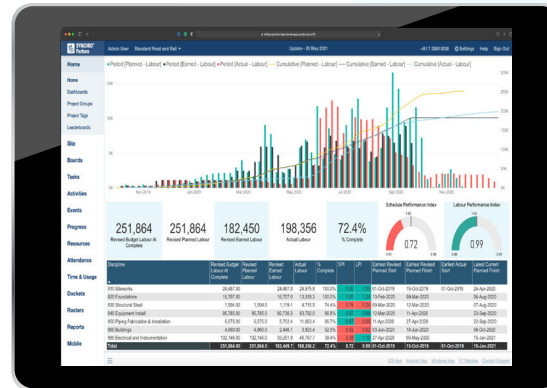


SYNCHRO Perform

Solution for:
Productivity Tracking

Built for:
Superintendents, Foremen, Project Managers, Safety Managers, Quality Managers

- ◆ SYNCHRO Perform is a web and mobile solution that provides deep, real-time insights into project performance.
- ◆ Operations teams can more effectively manage time tracking, monitor daily costs, and optimize resources. With rich project insights, teams make better and quicker decisions to minimize project errors and maximize team productivity.



Key Features

1. Optimize resource management
2. Monitor and perform action on daily cost reporting and analytics
3. Understand the impacts of events on schedule and budget
4. Capture project progress in field in real-time on your mobile device for true project health
5. Create site records, such as daily diaries, unplanned events, and progress for a true record



SYNCHRO 4D

Solution for:

Visual Planning and Scheduling

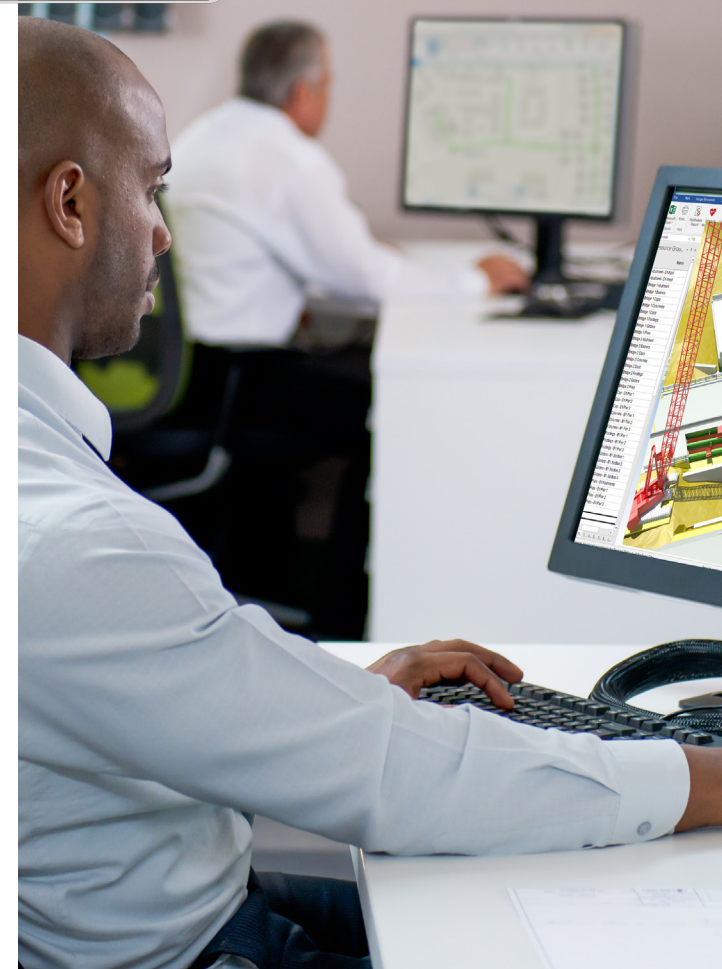
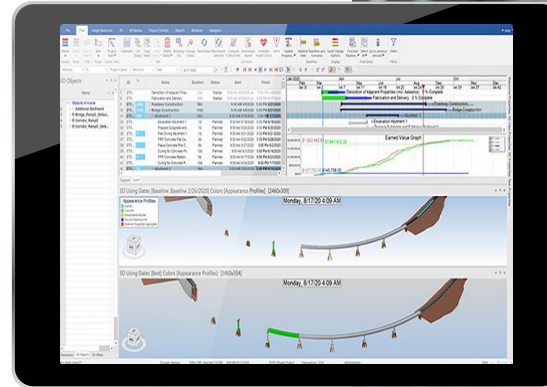
Built for:

Planners, Schedulers, Estimators, Virtual Design and Construction Engineers, BIM Managers

- ◆ SYNCHRO 4D is the industry-leading modeling solution that enables teams to turn design models into construction models with cutting-edge model-based QTO, scheduling, and construction simulations.
- ◆ Teams can plan, optimize, and track projects in a single visual, as well as identify issues and “what-if” scenarios early. 4D environment enables teams to reduce project risks and delays, and avoid costly rework.

Key Features

1. Take control of time by adding scheduling to your models
2. Leverage model based QTO and create visual representations of your estimates
3. Optimize construction tasks by reviewing with stakeholders in an immersive environment
4. Plan and collaborate virtually to anticipate “what-if” scenarios and avoid mistakes in the field
5. Tackle the spatial challenges of linear projects and share real-time progress updates on the fly



SYNCHRO Capabilities Chart

Extended team data access and review	SYNCHRO Field	SYNCHRO Control	SYNCHRO Perform	SYNCHRO 4D	Productivity tracking	SYNCHRO Field	SYNCHRO Control	SYNCHRO Perform	SYNCHRO 4D
Task access, review, and comment	◆	◆	◆	◆	Detailed project reporting, dashboards, and data analysis			◆	◆
Document and data access	◆	◆	◆	◆	Aggregate performance data			◆	◆
Field data capture	◆		◆		Cost and change management			◆	◆
4D model review and comment	◆	◆		◆	Resource management, equipment tracking, and inspections			◆	◆
Field execution and mobility					Material management			◆	◆
Documents to the field	◆	◆			Commissioning and handover			◆	◆
Access project's 3D/4D models on a mobile device	◆				Timecards and HR active directory			◆	
Create issues, RFIs, daily logs, and other custom form types through a mobile app	◆		◆		ERP integration for progress and time			◆	
Model-based progress tracking	◆	◆		◆	Work packages			◆	◆
Quality inspections	◆	◆	◆		4D/5D visual planning				
View and update status of model-based resources	◆			◆	View models	◆	◆		◆
View and update schedule tasks			◆	◆	Manage models		◆		◆
Checklists/punch lists	◆	◆	◆	◆	4D model-based schedules and simulations		◆		◆
Project management					Constructible model splitting				◆
Document management		◆			Model-based quantity takeoff				◆
Issue and RFI creation		◆	◆	◆	Model-based work planning				◆
Issue and RFI management		◆	◆		Model-based project insights		◆		◆
Notifications		◆	◆	◆	Model cloud/CDE collaboration	◆	◆		◆
Map and location services		◆	◆		Links to third-party applications		◆		◆
4D schedule collaboration		◆		◆	ISO processing				
4D model collaboration		◆		◆	Model aggregation		◆		◆
Inspections and completions		◆	◆	◆	CPM scheduling, CPM analysis, and resource leveling				◆
Project insights and dashboards		◆	◆	◆					

SYNCHRO User Stories

SYNCHRO helps teams across industries meet their goals and deliver successful projects.



Project Controls
Cubed LLC

EchoWater Project

Sacramento, California,
United States

[Full user story >](#)



Proicere Digital Ltd

**Sellafield Retreatment
Plant (SRP) Project**

Seascale, Cumbria,
United Kingdom

[Full user story >](#)



Solid Support

**Alfred Street Bridge
Project**

Parramatta, New South
Wales, Australia

[Full user story >](#)



Laing O'Rourke

**Everton Stadium
Football Club Project**

Liverpool, Merseyside,
United Kingdom

[Full user story >](#)

SYNCHRO

To deliver successful projects, you need to empower your teams, both in the office and the field, with the right digital tools to simplify tasks and meet deadlines and budgets—all while keeping everyone connected and on the same page.

SYNCHRO gets you there, so your teams can work faster, better, and safer.

Start your SYNCHRO journey, today!

[Contact us >](#)[Try SYNCHRO 4D free >](#)[Find us on YouTube >](#)[Find us on LinkedIn >](#)