

# Construction Management Platform



*Simplifying complex project scheduling and resource management for construction professionals through intuitive design and seamless workflows.*

## Construction Project Management and Related Problems

The Construction Management Platform was built to simplify project scheduling, WBS (Work Breakdown Structure), and resource management while integrating with ACC and local files. However, the platform faced multiple challenges:

Challenges:

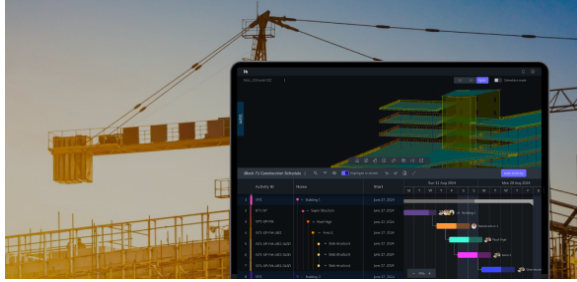
- The existing system was difficult to navigate, making project configuration and dependency management complex.
- Users had varying technical expertise, demanding a UX that balanced manual control with automation.
- The interface lacked visual consistency and an effective prototyping approach, reducing overall usability and clarity.

## Solutions we offered

To address these challenges, we implemented a structured UX and UI design process to simplify construction workflows and boost efficiency:

- Designed dashboards tailored for different user roles to streamline task management.
- Reorganized navigation to provide quicker access to project timelines, resources, and dependencies.

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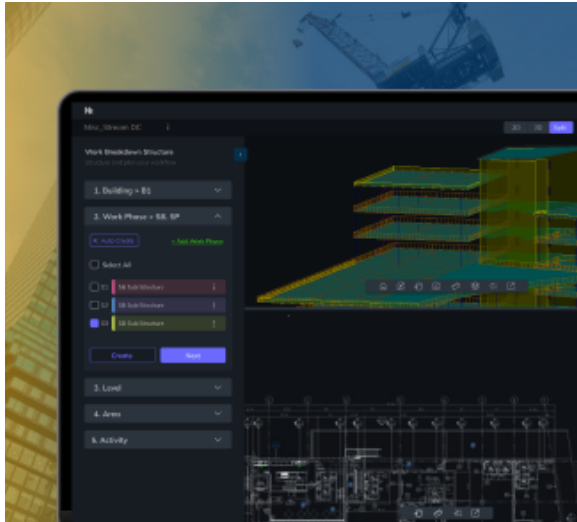
- Refined UI & Workflows
- Enabled flexible integration with ACC and local file systems for seamless project configuration.
- Created low-to-high fidelity wireframes with structured documentation and design reviews.
- We were able to differentiate between distinct process flows using only some primary colors.

## How did our solutions help?

Our design solutions created a smoother, more intuitive user experience for project managers and engineers by simplifying complexity and improving workflow visibility.

1. **Streamlined Project Structuring** – Reduced complexity in project planning through a well-defined WBS and scheduling system.
2. **Optimized Information Architecture** – Simplified navigation made accessing schedules and dependencies more intuitive.
3. **Redesigned UI & Workflows** – The refreshed interface improved usability and efficiency, minimizing user confusion.
4. **Customization for Diverse Needs** – Flexible file integration empowered teams to adapt the system to various construction projects.

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## The Outcomes

- Enhanced user engagement across roles.
- Streamlined workflows that reduced task completion time.
- Improved project visualization and dependency management.
- Greater adaptability through ACC and local file integration.

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