

Konverge

Case Study

Overview

Transforming
Construction
Estimating with
Custom
Software

Contact Us



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The Challenge

A leading commercial construction firm relied on Microsoft Excel spreadsheets to manage its complex project estimation process. The system had evolved over time with no central documentation, creating significant bottlenecks:

- High risk of human error due to manual data entry
- Lack of version control and audit trails
- No centralized access for team collaboration
- Limited ability to analyze historical project data
- Inefficient updates and formula-based calculations without automation

The company needed a scalable solution that could align with its innovative culture and sustainability mission.

Our Solution

Konverge partnered with the firm to design and build a custom, web-based project estimation platform that:

- Modernized core functions: The new system replicated the successful aspects of the spreadsheet model while adding automation, validations, and streamlined workflows.
- Enhanced usability: A modern UI/UX made it easy for users to manage assemblies, cost data, and estimate scenarios.
- Enabled data-driven decisions: Reporting tools and export functions (Word, Excel, PDF) empowered estimators and leadership with real-time insights.
- Improved collaboration: Role-based access and single sign-on (SSO) allowed teams across locations to work securely on shared projects.

Key Features

- Modular estimation components (Functional Program, Site & Massing, Operating Costs)
- Class D budgeting, carbon impact analysis, and social impact metrics
- Project cloning and scenario planning tools
- Archive and lookup capabilities for future forecasting
- Intuitive dashboards and reporting tools

Business Outcomes

- Reduced estimation cycle time by %30
- Decreased errors through validation logic and controlled inputs
- Increased estimator productivity and user adoption
- Created a foundation for analytics and future integration with BIM and procurement systems



Why it Matters

This project underscores the value of custom software in transforming traditional, manual processes into intelligent digital workflows. Off-the-shelf tools often fall short for construction firms striving for innovation, automation, and environmental responsibility.

Konverge's deep understanding of both technology and the nuances of construction estimating enabled a solution that delivered measurable ROI, process standardization, and long-term scalability.

"We knew this wasn't just about replacing spreadsheets, it was about giving the client a future-ready platform that scales with their ambition. That mindset shaped every decision we made in the build."

— Sonia Couto, Managing Director, Konverge Digital Solutions

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