

Construction Company Management System

THE VISION

With the growing demands of the construction industry, companies are increasingly seeking innovative solutions to streamline operations and enhance on-site efficiency. Client approached us with a vision to revolutionize project management and workforce coordination within the construction domain. Their goal was to create a unified platform that empowers construction companies to effectively manage project details while ensuring precise attendance tracking for individual staff members across multiple projects.

Understanding their requirements, we developed an advanced system that seamlessly integrates project documentation, attendance management, and a dynamic request generation tool. The platform enables staff to submit tailored requests for missing parts or other needs directly to their contractors using a highly customizable form.

THE CHALLENGE

With our technical expertise, we have successfully delivered a platform that transforms the way construction companies manage their operations, paving the way for a more organized and productive future in the construction sector.

The client aimed to create a comprehensive platform for managing construction projects, workforce attendance, and dynamic requests. However, the following challenges were key considerations during development:

- Seamless workforce attendance management to ensure accurate check-in and check-out across multiple projects.
- Dynamic request form generation for handling diverse staff requests efficiently and easily.
- Mobile accessibility by developing an app that integrates all core functionalities for on-site staff.
- Scalability and flexibility to adapt the platform to different project requirements and contractor workflows.
- Communication enhancement to streamline interaction between staff and contractors for better project efficiency.

TOOLS AND TECHNOLOGIES

With the following goals in mind, Zencon Group proposed a complete solution to address the challenges faced by the organization:

Development Platform

Microsoft Visual Studio

Server

Windows Server

Tools & Technology

Dot Net 6 Web API, Angular, Azure Cloud

Database

Microsoft SQL Server

THE CLIENT

Client is Australian-based leader in the field of digital transformation, providing cutting-edge technology solutions to businesses across various industries. Specializing in artificial intelligence, machine learning, and data analytics. Our Client empowers organizations to harness the full potential of their data. With a focus on innovation, the company offers tailored solutions that streamline operations, enhance decision-making, and drive sustainable growth.

BUSINESS BENEFITS

The solution provided significant benefits by centralizing project details and streamlining staff attendance management for the construction company. Staff could easily check in and out via a mobile app, ensuring accurate tracking. Dynamic, customizable request form allowed staff to quickly report missing parts to contractors, improving communication and response times.



THE FINAL WORD

" Zencon Group, expertise in IT-enabled services and technology, combined with its deep industry knowledge enables it to offer most complete, industry proven and comprehensive business solutions to the industry."

ZENCON GROUP, OFFERINGS



Zencon Group, developed a robust web and mobile application to streamline project management and workforce operations for construction companies. The solution offers the following key features:

Conclusion

Zencon Group is a global IT consulting and digital solutions provider offering a wide range of services including Enterprise Software Development, Microsoft 365 and Power Platform Consulting, ServiceNow Solutions, Mobile and Web Application Development, QA & Testing, and Managed IT Services. With deep domain expertise and scalable delivery models, Zencon has helped businesses across industries achieve operational efficiency, innovation, and long-term growth.

Our customer-first approach, technical excellence, and commitment to quality have earned us the trust of enterprises, startups, and public sector clients worldwide.



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zencon



Centralized project management dashboard with mobile access for seamless operations and real-time updates across devices.



Mobile-enabled attendance tracking, resource requests, and offline support to keep projects running smoothly even without internet.



Role-based access, administrative controls, and dynamic workflows to ensure secure, efficient project management.



Integrated inventory tracking, instant messaging, and automated notifications to speed up communication and resource handling.



Detailed reporting, scalable infrastructure, and customizable user interfaces designed to grow with your business needs.