



## CASE STUDY

# Microsoft Dynamics AX drives integrated HR, Projects, and Inventory Management for a Real Estate Company

## Microsoft Dynamics ERP Implementation

Implemented the ERP solution that attendance monitoring, time tracking, financial management, and inventory management. The solution also integrates with other application modules providing greater operational control and reducing manual dependencies.



## PROTECTED

Client: **Protected by NDA**

Country: **USA**

Industry: **Real Estate**

### About the Client

The client is a prominent construction company based in the USA. The client is known for designing modern building concepts and delivering the constructed structures complying quality construction standards and building regulations. The client offers services in commercial building operations for design-build, commercial building structures, tenant improvement, utility-scale solar collector fields, commercial solar building systems, mining systems construction, etc.

### Challenges

- The client's workforce comprised a large number of construction workers deployed at different sites. Without any resources for regularized provisioning, managing and monitoring for standard per-day work per-labor was very difficult and required a lot of manual data collection and entries.
- With workers shared across different sites, the client's projects teams needed to keep a manual track of all the entries making the overall time and pay process highly time consuming.
- The client also purchased goods and products on their customers' behalf that was utilized at the construction sites and hence needed a robust inventory management system to incorporate and track all kinds of purchases linked to customers and construction sites.
- The client's legacy software ecosystem had lot of dependencies on manual processes for warehouse consumptions, maintaining customer segregation, and inventory management. The client was losing a sizeable amount of financial resources on recurring costs.

### Quicks Insights



#### Challenges

- Attendance and work hours monitoring for construction workers at different sites
- No insights and tracking for recurring costs and purchases
- Unstable and unusable inventory management system



#### Solution

- Implemented Microsoft AX Dynamics ERP solution with integrated HR, Projects, and Inventory Management modules
- Support for different modules such as banking, projects progress etc. within the solution



#### Result

- Better insights on employee work hours and attendance
- Lower recurring costs with increased operational efficiency
- Accurate financial reports



#### Technologies Used

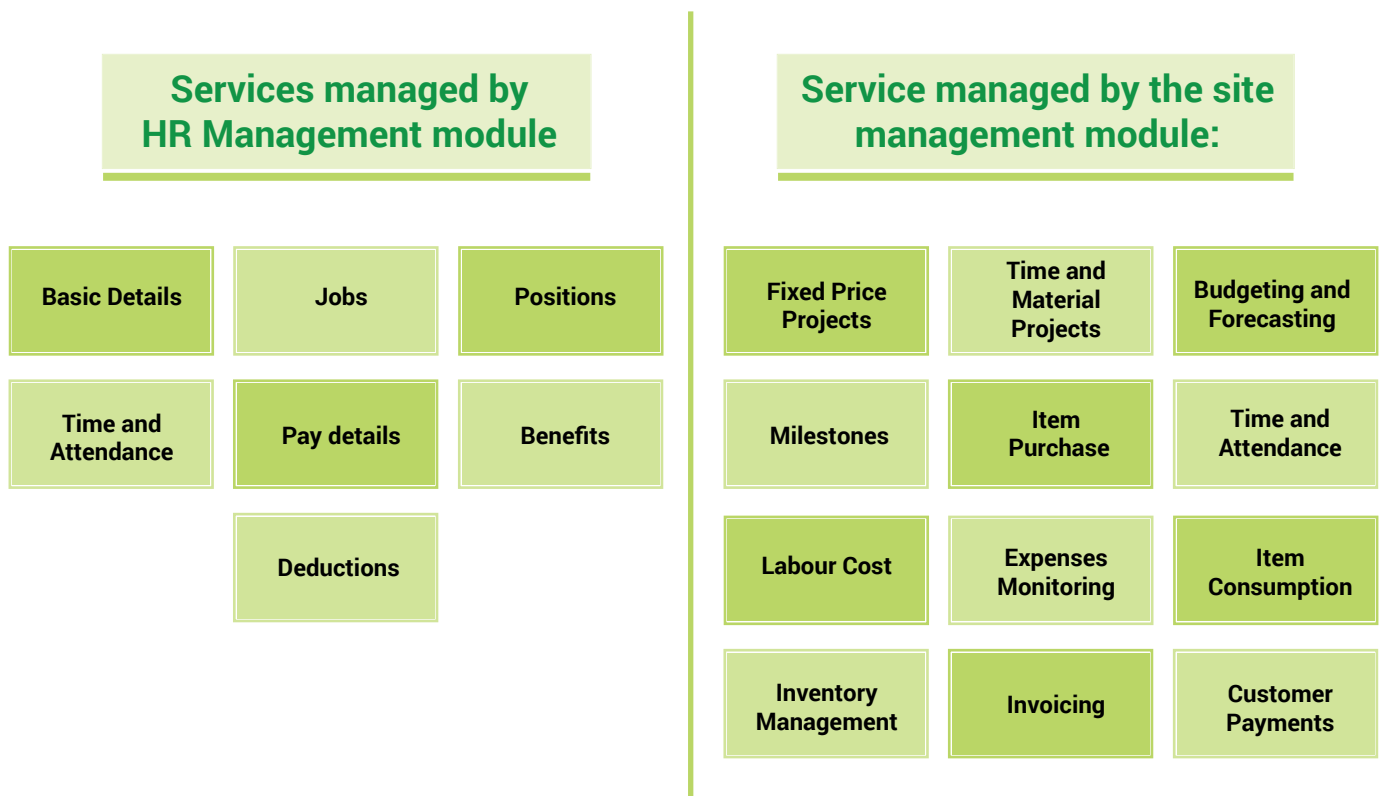
- Microsoft Dynamics AX 2012
- Windows Server 2016
- Microsoft SQL Server 2016
- Microsoft Visual studio 2015

## Approach

The client was continuously incurring high recurring costs without proper management and provisioning on labor schedules and inventory management. To overcome these critical challenges, our team of experts implemented comprehensive project management and accounting functionalities in conjunction with a robust inventory management using Microsoft Dynamics AX ERP platform.

## Solution

- Our team of experts developed an all-in-one project management and accounting solution that monitored and managed project related activities, expenses, inventory purchases, consumption, and labor hours.
- To better manage purchases and inventory tracking, our team implemented and integrated the inventory management module that managed project-wise inventory as well as a central inventory.
- To ensure seamless labor monitoring for their attendance records of different business units and construction sites, our team integrated the ERP solution with an HR management module that allows the administrator to manage employee records, jobs, pay details, benefits, and work hours, and attendance through a portable device.
- The ERP solution was further integrated with General Ledger, Cash and Bank Management modules providing a seamless flow of information from project accounting, purchase, revenue, and inventory.



## Benefits

- With reduced dependencies on manual tasks for managing financial resources, the client was able to reduce recurring costs.
- Multiple projects can now be managed within a single, centralized and integrated ERP platform.
- The solution provided the client with seamless progress tracking for ongoing projects, better insights on costs, resources consumed, expenses, inventory procured and consumed.
- The powerful integration of the application allows for a single point of entry for each component across all the modules saving time and efforts.
- Since finance is integrated with all modules, financial information flow from all the modules to the General Ledger module provided a centrally integrated financial information system for the Management team.
- The solution reduced the manual dependencies for finance and employee management, in turn, enhancing the overall operational efficiency.
- The solution enabled accurate financial reporting across multiple components, locations, and companies.

## About DEV IT

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