



## CASE STUDY

# Microsoft Dynamics AX provides single, integrated Inventory and Sales management platform for a large manufacturer of packaging products

## Microsoft Dynamics ERP Implementation

End-to-end implementation of Microsoft Dynamics AX ERP provided a single, integrated platform resulting in improved inventory management, streamlined accounting, receivables and payables processes and enhanced sales process monitoring.



## PROTECTED

Client: **Protected by NDA**

Country: **USA**

Industry: **Manufacturing**

### About the Client

The client, based in India, is a packaging products manufacturer providing wide array of packaging solutions to its customers for PP woven sacks, flexible intermediate bulk containers (FIBC), and geo-textiles. The client caters to diverse industry domains ranging for chemical, pharmaceuticals, bulk drugs, food and confectionery, FMCG across domestic and international markets.

### Challenges

- The client's legacy software ecosystem lacked interconnectivity that resulted in disconnected business processes, decentralized data and reports and no single source of truth.
- Disconnected systems and processes resulting in personnel at the headquarters only working on accounting system without any visibility of the day-to-day productions, sale, and operations at the remote manufacturing facility.
- Disparate and disconnected applications resulted in multiple data entries, multiple servers, duplication of data, frequent data modifications without proper checks and verification.

### Quicks Insights



#### Challenges

- Multiple, stand-alone legacy software applications for specific business functions
- Decentralized data posed immense challenges for consolidated reporting
- Unstable and largely unusable inventory management system



#### Solution

- Implemented Microsoft AX Dynamics ERP with integrated inventory management system
- Support for different modules such as accounting, purchase, sales, and production lifecycle management.



#### Result

- Better tracking of inventory movements resulted in optimum use of warehouse space.
- Lower recurring costs and enhanced management with single-entry-point feature
- Accurate reporting resulted in high visibility across all business processes and activities



#### Technologies Used

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

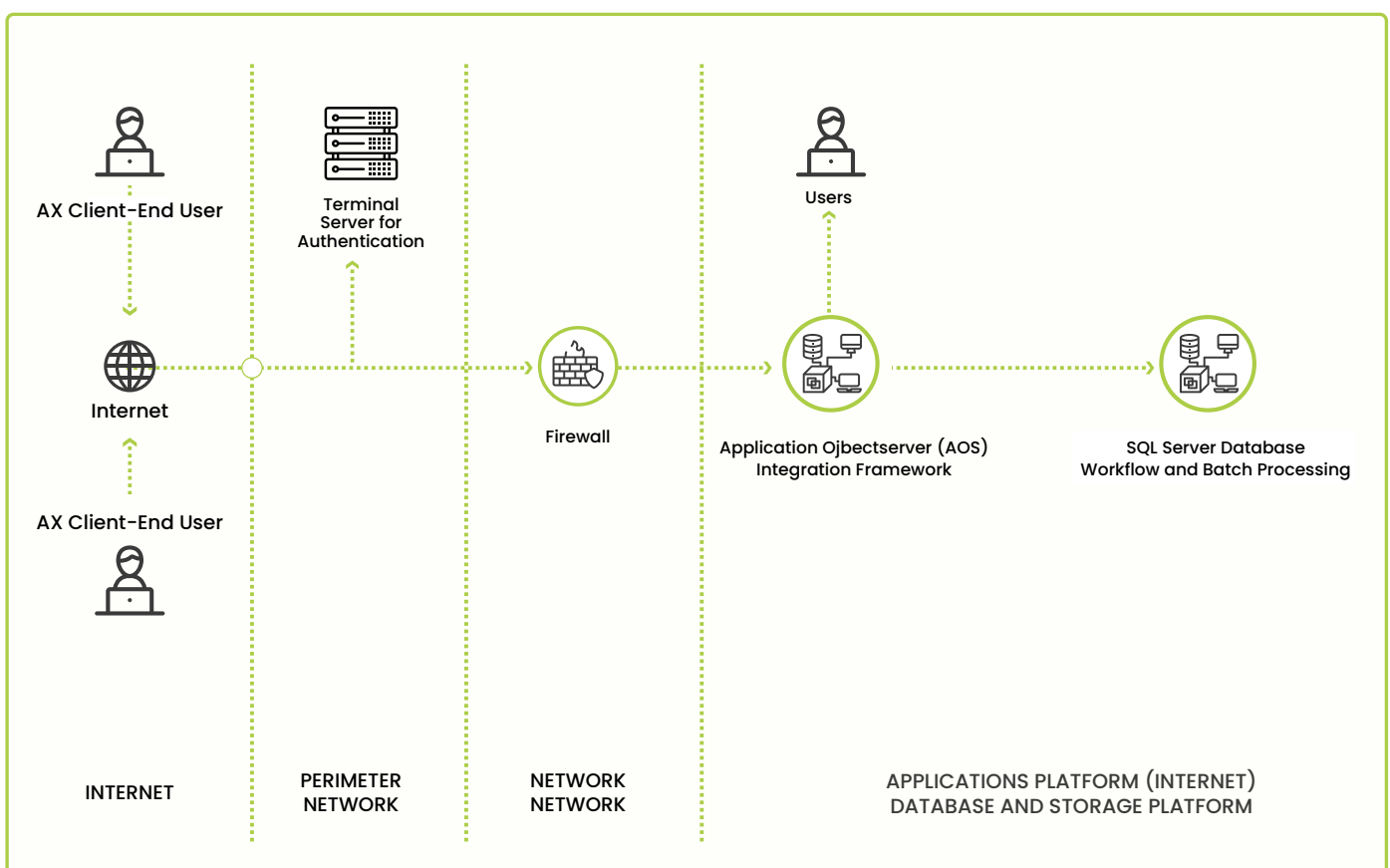
## Approach

DEV IT's ERP team consisting of business analysts and functional consultants conducted on-site assessments of the client's legacy applications ecosystem vis-à-vis their business processes. The findings were documented in a comprehensive SRS encompassing redundant business processes and recommendation for single, integrated Microsoft Dynamics AX ERP system.

## Microsoft Dynamics AX 2012 R3 as single source of operation control and reporting

## Solution

End-to-end implementation of Microsoft Dynamics AX 2012 R3 ERP solution that integrates all the business processes and activities across headquarters and manufacturing facility while providing new, cutting-edge features that enhanced their operations, finance control and increased efficiencies across departments.



- **Purchase and Payables:** The procurement feature allowed the purchasing department to track and monitor Request for Quotes (RFQs), vendor quotes with insights and analytics for comparative selection of vendors. The new feature provided a centralized request platform from all the departments to be processed by the purchasing department. Integrated purchase order solution generated automated goods receipts and enhanced inventory management. To streamline the process of inventory and vendor managements our team integrated the vendor/customer data with Goods Received Note (GRN) that allowed mapping vendor invoices and generated payables.
- **Sales and account receivables:** To deliver highly reliable tracking for sales and accounting system, our team integrated an Advance License solution with options to attach sales and purchase order to the relevant Advance License, maintaining details of the Advance License, and monitor allowable imports/exports based on value and quantity against an Advance License. This provided the client efficiently manage all statutory compliances pertaining to imports/exports regulations.

- **Inventory management:** Managing the inventory was a critical need for calculating risks, financial budgeting, and other market impacts. Our experts integrated the solution with a unique inventory management system that keeps resources updated with barcodes/QR codes. We also implemented end-of-stock and the end-of-product-life alerts to notify the inventory manager and other stakeholders.
- **Production management:** To enhance production lifecycle and process monitoring, our technical team integrated the ERP solution with Picking List functionality that offered automatic and manual BOM item consumption, auto-posting of the picked journal, and product status checks.
- **Waste Management:** With a lot of waste generated during the production process, our experts gauged managing the after products by implementing waste inventory updates in the solution to track and recycle the leftovers.

## Benefits

- Inventory Stores can now track the movement of goods, perform stock counting, tracking re-order levels and create new items as and when needed.
- With Work-In-Progress (WIP) implemented at each stage of the production process, the client's management has better visibility and control over the consumption of Raw material vs. WIP vs. Production of finished goods vs. wastage.
- Enhanced inventory management ensured easy and accurate availability of the receivable figures that, in turn, improved the cash flow.
- With the single-point-of-entry feature of Microsoft Dynamics AX, the accounts department saw reduced efforts and dependencies on different applications. The solution enabled accurate financial reporting across multiple components, locations, and currencies. This further enabled accurate financial reporting across multiple components, locations, and companies.

## About DEV IT

DEV IT is public listed (NSE-DEVIT) organization based at Ahmedabad, India. For more than 2 decades, the organization has evolved into a multi-faceted unit with 1200+ strong, skilled workforce providing cutting-edge software and infrastructure solutions in Cloud, Data and Automation domain. DEV IT provides services to government departments, public sector organizations across several states in India as well as 100s of clients worldwide from diverse industry sectors: healthcare, travel and hospitality, manufacturing, professional services, retail, transportation and logistics and more.



Consulting  
Partner



### Dev Information Technology Ltd.

14, Aaryans Corporate Park, Nr. Shilaj Railway Crossing,  
Thaltej – Shilaj Road Thaltej, Ahmedabad – 380059, Gujarat, INDIA

### Dev Info-Tech North America Ltd.

2425 Matheson Blvd E, 8th Floor,  
Mississauga, ON, L4W 5K4, CANADA

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