OPTIMISING WAREHOUSE MANAGEMENT WITH
MICROSOFT DYNAMICS 365

Case Study

Michigan, USA - Optimising Warehouse Management with Microsoft Dynamics 365 and Power Platform

Introduction:

In today's fast-paced logistics and warehouse management industry, leveraging advanced technology solutions is critical for improving operational efficiency and meeting customer demands. This case study highlights how Codinix Technologies worked closely with a leading warehouse company to create a customized solution that addressed their challenges and improved their operational efficiency through Advance Warehouse Management in D365.

Client Overview:

The client is a leading warehouse company based in the USA, specializing in offering comprehensive warehouse services to a wide range of customers. With a focus on efficient storage and distribution, the client required a robust digital solution to streamline operations and enhance user experience.

Problem Statement:

1). The client faced the following challenges:

- Lack of a unified portal for external users to access and utilize warehouse services efficiently.
- Manual and time-intensive processes for managing inbound and outbound warehouse operations, leading to operational inefficiencies.
- Limited visibility into key performance indicators (KPIs), making it difficult to track and analyze operational data for informed decision-making.
- A need for seamless integration with scan guns to facilitate warehouse activities and improve accuracy.

2). How the Solution Was Implemented:

- Codinix Technologies used key technologies to tackle the client's challenges and improve warehouse operations by leverage and **configure Warehouse Management in Dynamics 365**.

3). Requirement Gathering and Analysis:

- The Codinix Technologies team conducted detailed discussions with stakeholders to understand their pain points, operational needs, and expectations.
- Based on the gathered insights, they proposed a prototype to showcase the solution's feasibility and

functionality.

4). Customer Portal Development (Power Apps):

- They developed a customer portal using Microsoft Power Platform's Power Apps Portals.
- The portal enabled external users to efficiently access and utilize warehouse services through a user-friendly interface.

5). ERP Integration (Microsoft Dynamics 365 Business Central):

- Codinix Technologies deployed Microsoft Dynamics 365 Business Central as the ERP system to manage inbound and outbound warehouse operations.
- The team implemented multiple automations to reduce manual tasks, including the conversion of inbound requests to purchase orders and warehouse receipts.

6). Scangun Integration (Warehouse Insights app):

- Codinix Technologies integrated the Warehouse Insights app with scanguns to streamline inventory management processes such as receiving, picking, and put-away tasks.

7). KPI Dashboard Development (Power BI):

- They created a complex and interactive KPI dashboard using Microsoft Power BI.
- The dashboard provided real-time analytics and insights to help the client track and evaluate business performance effectively.

Client's Benefit:

- **Streamlined Operations:** The customer portal developed by Codinix Technologies provided external users with a seamless and efficient experience, enabling them to interact with the warehouse services effortlessly. Automations implemented in Dynamics 365 Business Central drastically reduced manual intervention, saving time and minimizing errors.

- **Improved Efficiency:** Integration of the scangun-powered Warehouse Insights app enhanced the accuracy and speed of warehouse operations such as inventory management and receipt posting.

- **Data-Driven Insights:** The Power BI-based KPI dashboard enabled the client to monitor key metrics and make data-driven decisions to improve business outcomes.

- **Enhanced Productivity:** The solution's reduction in manual tasks allowed employees to focus on strategic activities, leading to increased productivity.

Result

With Codinix Technologies' expertise and tailored approach, the client successfully adopted the proposed solution, which streamlined their warehouse operations and improved user satisfaction. The integration of advanced tools and technologies not only optimized processes but also provided the client with actionable insights to scale their business efficiently through **Advance Warehouse Management in D365**.