LTIMindtree

Enabling EffiCient Tracking for Cold Storage Logistics

LTIMindtree partnered with a leading refrigerated logistics provider to revamp their Warehouse Management System (WMS), enabling efficient shipment tracking.

SUCCESS STORY

Client: the client is one of the leading refrigerated logistics companies in the world operating, 100+ modern and temperature-controlled warehouses and distribution centers across Americas and Asia Pacific. It offers custom freezing and comprehensive third party logistics and transportation services.

Challenges: the fast inroads made by emerging and new technologies have left logistics companies with a lot of catching up to do. They are grappling with the increasingly demanding customers who want information at their fingertips. Our client was facing a similar challenge in terms of operating on a legacy Warehouse Management System (WMS). They wanted to improve shipment tracking efficiency by updating and enhancing the capabilities of the existing applications of the WMS.

LTIMindtree solution: Application Development being a core area of expertise for LTIMindtree, we supported the client in revamping their existing Warehouse Management System by rewriting, updating, and enhancing their legacy applications. The scope involved applications for:

- Inbound operations: received order creation, location identification, storage.
- Outbound operations: order allocation, order picking, shipping, Dispatch Order Creation, Maintenance & Confirmation.
- Inventory management: Stock Take & Stock Adjustment.
- Invoicing & Billing.
- System Master Maintenance.
- Reports & Inquiries: Stock details, daily movement, Received Order & Dispatch Order.

LTIMindtree proposed a solution for redesigning the database, modernizing/ modularizing the code, employing latest versions of the existing technologies, implementing user-friendly screen navigations, and implementing new functionalities.

Our solution also ensured that the new design did not impact the existing linkages or dependencies and resulted in a smooth process flow between enterprise applications interfacing the WMS. There were, in fact, multiple other systems interfacing the WMS, like RF system (inbound receivables, order picking, dispatch & truck control, cycle counting, replenishments), labor management system, supplier/ customer tracking interface, billing module, voice picking solution, etc. The robust design of LTIMindtree's solution enabled all these enterprise applications to seamlessly interface with the WMS with minimal downtime.

Benefits

- New Warehouse Management System roll out in 100+ sites and retirement of third party products used in some sites, resulting in cost savings.

- Improved staff productivity, resulting in enhanced customer service

- Improved billing processes and reporting capabilities