

CASE STUDY



enVista Modernizes Electrical Product Manufacturer's Warehouse Management System (WMS) for Operational Excellence

American multinational manufacturer leverages enVista's industry-leading WMS capabilities across several facilities



ABOUT

The American multinational corporation manufactures electrical products and provides engineering services for industrial, commercial and consumer markets. The Fortune 500 company has 170 manufacturing locations.

OPPORTUNITY

Prior to the project, the manufacturer operated with a legacy warehouse management system (WMS) that was extensively customized to accommodate unique processes. Furthermore, numerous edge applications and application programming interfaces (APIs) were developed to connect the WMS with manufacturing and the Oracle enterprise resource planning (ERP) system, which was causing standardization challenges. Each of the client's facilities developed its own version of a WMS to cater to localized needs, which hindered visibility into inventory levels and locations, especially once raw materials entered the manufacturing process. Additionally, the company relied on manual and paper-based processes to manage inventory movement through its facilities and wanted to create a more modern, reliable and efficient approach that would reduce the burden on the facilities' associates.

Because the manufacturer did not have the in-house expertise to support its WMS needs, the company sought a partner with the knowledge and experience to modernize its system, increase standardization and integration, automate its inventory management process and provide technical support moving forward. Due to enVista's extensive experience, the client engaged our team to modernize its WMS technology across its warehouse network.



SOLUTION

enVista employed a comprehensive strategy by visiting the manufacturer's facilities in North America, Asia and Europe to gain direct insights into its operations. During these visits, enVista's goals were to identify opportunities for best practices, pinpoint areas of inefficiency and redundancy, uncover unique market and legal requirements and observe instances where systems were handling tasks beyond the client's original scope. Building on these observations, enVista aimed to establish a forward-looking strategy that would appropriately allocate operational responsibilities within different system components.

enVista needed to evaluate the manufacturer's existing technology systems and determine where improvements could be implemented. This involved crafting a request for proposal (RFP) and creating demo scenarios to rigorously assess potential vendors and determine the most suitable system solution to meet its needs.

Finally, enVista developed an all-encompassing operational flow design that capitalized on industry-leading WMS capabilities, streamlining processes holistically.

RESULTS

enVista successfully designed a solution aimed at establishing a uniform and sustainable WMS platform across all of the client's sites. This initiative placed the company on a strategic trajectory that involved seamless integration of the new WMS with manufacturing systems and its ERP system. This integration enabled effective traceability and accountability of components as they progress through the manufacturing process, while also streamlining operations by eliminating redundancies in the receiving process.

The solution was further enhanced by enforcing best practices throughout the workflow and introducing system-directed putaway and Radio Frequency guided picking processes. Notably, the integration plan encompassed both existing and future material handling equipment and automation solutions, ensuring adaptability to evolving operational needs.



Let's have a conversation.®

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