

Workflow & Business Process Improvement

Targeted Solution-DC Design including integration of Equipment, Processes, and Systems

OBJECTIVE

A leading manufacturer and distributor of specialty products no longer required full use of their 400,000 SF Distribution Center (DC). A business case was developed in partnership with NKF Consulting that determined the best location was combined with their existing manufacturing operations.

APPROACH

NKF Consulting worked with the client to document existing processes and determine opportunities for better performance. Working in partnership, new business processes and system requirements were developed to create improved product flow through the building. The result was a brand new design of warehouse equipment and operations. Implementation included tear out of existing equipment, installation of new rack and forward pick systems, conversion of WMS to a new platform, and testing of new processes within the WMS implementation.

SOLUTION

- Reduced space requirement from 200,000 SF to 125,000 SF within the same building specifications through in-house design capabilities
- Developed new facility design, schedule and budget for executive committee that was implemented on time and under budget
- Implementation of Design with full system integration completed in 4 months
- Managed WMS vendor on software customization to enhance the capabilities of the base system to enable new warehouse processes
 - Developed and documented test cases
 - Created wave pick from bulk storage function
- NKF Consulting developed a custom slotting model outside of the WMS that determines which items should go into each zone of the forward pick area

