

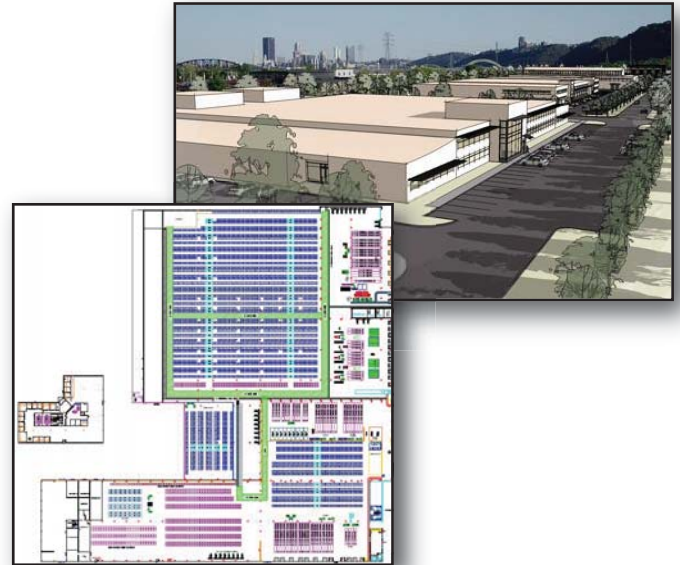
DESIGN SYSTEMS, INC.

Manufacturing Engineering & Consulting

Facility Relocation - Brownfield Site Service Parts Operation

Project Description

A service parts operation located in the Midwest of the United States reached out to Design Systems, Inc. for supply chain and material flow expertise in support of their acquired brownfield facility. This engineering support would encompass a new warehouse expansion, packing operation layout, and receiving / shipping dock operation.



Client Objectives

- Design new layout implementing Best in Class material flow and lean processes, primarily targeting putaway and outbound shipping.
- Recommend future state Warehouse Management System (WMS) configuration (manual process to systematic) ensuring solution was scalable and implementable due to growth and increased complexity.
- Analyze current layouts and design warehouse material storage for increased capacity and efficiency.
- Develop and document material flow analysis to include material handling operations and equipment.

PROJECT OUTCOMES

- Outbound shipping transformation via WMS configuration.
- 60% reduction in man-hours required to complete tasks by deploying systematic locations
- Implementation of layout design improving material flow and reducing complexity in warehouse processes while incorporating 15% year over year growth rate over 5 years
- Automation / conveyors decreasing material handling headcount, reducing travel time and improving safety
- 100% implementation of recommendations by client

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