Harbor Freight Tools Greenfield Facility Design

Results-oriented. Client-centric.

Results-oriented. Client-centric. It's this mindset that has made St. Onge a globally-recognized supply chain strategy and logistics expert, helping companies across the United States and around the world become more profitable, agile and adaptive to the demands of an ever-evolving marketplace.

Blending research, advanced modeling and design and engineering allows for best in class solutions.

As independent supply chain engineers and advisors we uncover the best solutions and systems tailored to the unique business and logistics objectives for each client we serve.

Stronger market positions, enhanced ROI with maximized profitability and efficiency end-to-end are the strategy and implementation goals of each St. Onge project.

Learn more at www.stonge.com

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Growth & Impact

Add insight or impact metric

Add key outcome metric

Add financial impact metric

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Project Overview:

- Provided alternative designs for proposed new 2.1M sq. ft. omni-channel warehouse in the central US market

Key Project Elements:

- SKU base of 5K items – mixture of case pick and unit pick processing. Volume split was 95% retail and 5% e-com
- Design automation include case pick modules (pallet flow), auto de-palletization robots, shuttle system for e-com inventory storage (residuals) and outbound retail carton buffering, put walls, routing shoe sorter, shipping shoe sorter (150 cases/min), high density pallet storage (mole system), reach truck and turret truck AGVs, and WCS systems integration.
- Storage capacity of 200K+ pallets in a combination of floor storage, VNA storage (turret), and narrow aisle storage (reach)
- Total capital budget of $100M+ for automated equipment. Prepared ROI analysis for capital spend of each technology
- Supported HFT as an 'owners agent' in the RFP process for procurement of all technologies list above