



Facility design involves more than just warehouse configuration. It also calls for strategic thinking that identifies long-term goals and sales strategies, and a significant amount of cooperation among all parties involved. We help our clients understand the optimal way to proceed.

Strategic Facility Design

Defining Optimal Facility Requirements & Usage

A company's supply chain processes, technology, labor, material handling equipment and long-term business goals should effectively dictate facility design. At enVista, we synchronize the physical and material flows of a distribution center with data information to create the most desirable, optimal facility.

We develop conceptual and detailed engineering facility layouts that minimize variability. The designs we produce focus on agility and flexibility to ensure clients maximize their assets and obtain a positive ROI. enVista is not a Material Handling Equipment (MHE) vendor providing equipment recommendations alone. Rather, our industrial engineering team analyze client operations holistically and develop process improvements to support long-term business goals. Material handling equipment recommendations serve as just one design component supporting a broader supply chain strategy. enVista then helps select the most qualified and cost-effective material handling integrator, equipment providers and construction company, based on client specifications, to ensure long-term savings benefits.

Designing Results

enVista engineers have developed comprehensive models for developing efficient, state-of-the-art distribution centers. Our flexible, proprietary design model is used in multiple verticals including: business-to-business, business-to-consumer, and retail. In addition, our facility design and slotting tools provide our engineers with over eighty standardized receiving, inventory and shipping profiles and reports that enable alternative lean material flow strategies. The end result is a balanced, cost-effective distribution center design that meets each organization's individual requirements.

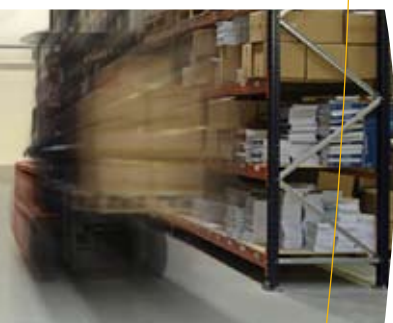
A Strategy that Works

Optimal distribution facility designs are created collaboratively, combining clients' intimate knowledge of their business with our engineering team's efforts and expertise.

We begin by learning a client's current processes, results and long-term business goals. Then we evaluate and analyze the following three critical material flow profiles to obtain objective, data-driven direction toward developing alternative facility designs.

The combination of a proven design along with the right equipment, process design, personnel, and technology, ensures a successful, lean facility capable of adapting to anticipated business growth and change.

Contact us today to learn more.



RECEIVING DATA

Enables us to understand current receiving throughput as well as evaluate alternative receiving, sorting and putaway strategies.

INVENTORY DATA

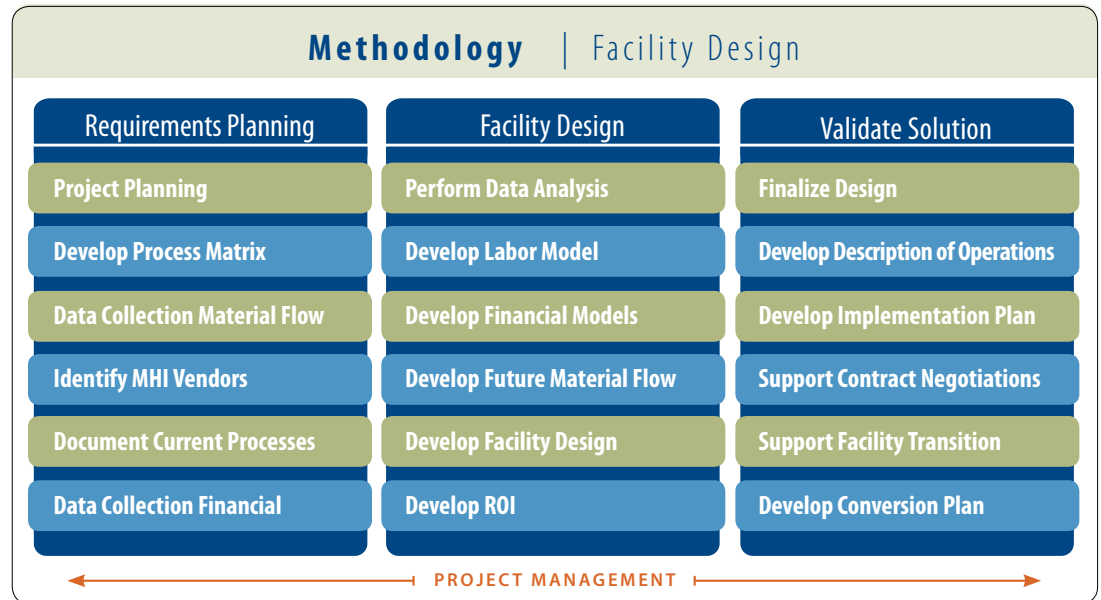
Allows us to understand how clients are currently using space, and to create space standards for material handling storage mediums in both forward picking and overstock (reserve) areas.

ORDER DATA

Helps us to understand current outbound processes by sales channel and to develop forward picking, shipping staging, manifesting, order consolidation and loading material flow strategies.

Once a final design and location has been selected, we work directly with clients to help select the most qualified material handling vendor. enVista provides an equipment bill of material as well as an open book pricing comparison.

The last step in building a world-class distribution center is the development of a conversion and implementation plan that is both realistic and mitigates business risk.



Solutions with Returns

At enVista, we focus on designing completely integrated solutions that are quantified and qualified by positive return on investment. We compare our alternative warehouse strategies against clients' current distribution cost and metrics and then challenge our project teams to bring significant improvements to those internal metrics. It is not uncommon for our engineers to develop solutions with 15-25% efficiency improvements.



Facility Design

Direct Benefits

- Eliminate non-essential processes
- Reduce operations costs (labor, inventory)
- Improve utilization of space
- Reduce order cycle time
- Avoid capital expenditures: facilities, equipment

Indirect Benefits

- Improve customer service
- Optimize system utilization (WMS, LMS)
- Optimize equipment utilization