

Supply Chain Network Analysis

Minimize Costs While Maintaining Service

Today, many companies face a challenge that seems burdened with contradiction: how to reduce transportation and operations costs while increasing customer service levels. Designing the right global supply chain network provides a solution to both issues. Although there are many factors to consider when designing a supply chain network, with the right partner the process is not overly complicated. The key is to analyze your network across the entire supply chain spectrum from source to consumption. Unlike other firms that consider DC-to-store or DC-to-customer, at enVista our evaluation and design starts at the manufacturing (often overseas) site and moves forward to include freight forwarders, origin port, customs, and then the distribution center.

Implementing an optimal network is especially beneficial to those companies who must effectively and efficiently consolidate two different networks prior to or following a merger, as well as those who are considering expanding into new territories. Organizations that put off designing a new network, or making improvements to an existing one due to perceived complexities or complications, are actually putting their competitive advantage at risk.

Maximize Results

With solid, proven methodologies and the right modeling tools, enVista is an expert resource for solving any supply chain network problem. We work with a broad range of vertical industries and while specific industry challenges differ, many of the variables impacting network design remain the same.

- What are the optimal numbers, locations and capacities of suppliers, plants and production lines and processes?
- What are the right numbers, locations and sizes of distribution centers, cross docks, branch warehouses, etc.?
- What is the best way to assign customers and products to distribution centers?
- How do changes to production and distribution capabilities impact cost and service?
- What are the trade-offs between:
 - Inbound and outbound transportation costs?
 - Transportation, distribution center and inventory costs?
 - Costs and service levels?



Improved customer service levels, as well as reductions in inventory, transportation and operations costs, are benefits reaped when the supply chain network is operating at optimum efficiency.

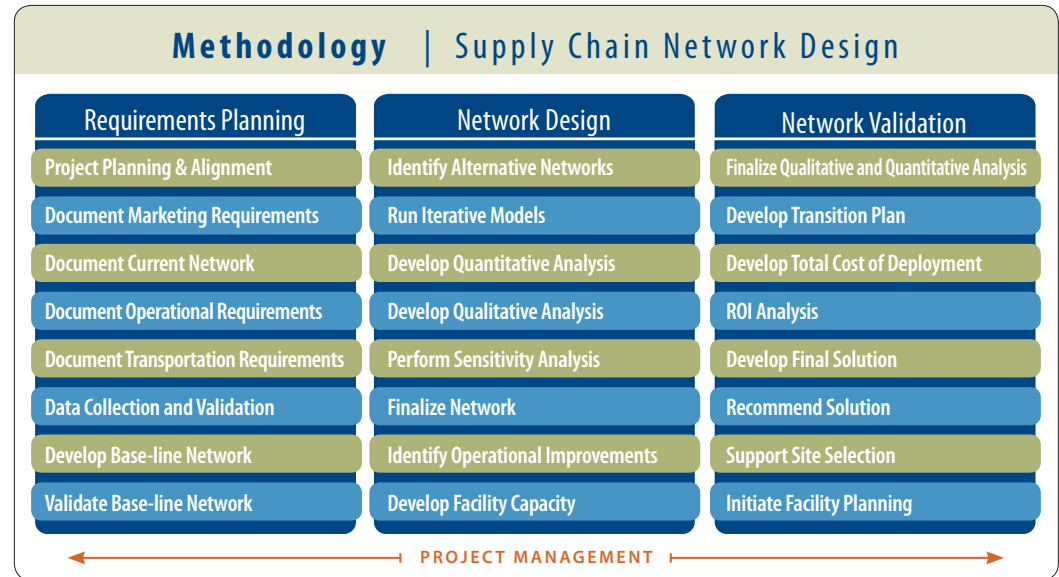
Models and Methods to Solution Development

Our tools and our methods have been honed to perfection. At enVista, we get results for our clients by taking a unique, step-by-step approach to improving supply chain performance.

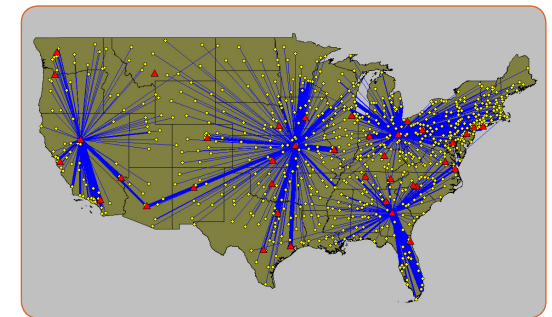
1. Define problem and develop company's end goals and objectives. Complete understanding of management, marketing, sales, finance, operational constraints, timelines and risk tolerance is critical to development of a solution.
2. Design current baseline comparison model based on data aggregation.
3. Optimize future network based on organization's goals and objectives. Business risks, as well as transition and overall costs, must be considered before final recommendation.
4. Complete sensitivity analysis on optimal network to ensure network model responds to potential variability in data inputs.
5. Develop ROI model that validates calculations for net present value, internal rate of return and payback period sums for each year of optimal network.
6. Create a transition plan that accurately captures costs and risks to move from baseline network to optimal network.

In today's competitive market, it is imperative that companies continually evaluate their supply chain efficiency and opportunities for cost containment, avoidance and reduction.

Contact us today to learn more.



enVista's expertise in network analysis runs deep and wide, and we take great pride in our ability to deliver solutions that balance costs and risks while performing with optimal return on investment. While working with a variety of manufacturing, purchasing and distribution-centric supply chains, we address many different levels of complexity, from global, multi-plant manufacturing to domestic, single or multi-channel networks.



Direct Benefits

- Proven methodology that produces a fast return in a short period of time
- 5-10% total supply chain cost reduction (transportation, distribution and inventory)
- Improved customer service

Indirect Benefits

- Organizational alignment and restructuring
- Practical strategies that mitigate risk
- Innovative strategies that create competitive differentiation