



CHOOOLS CONSULTING SERVICES

DISTRIBUTOR NETWORK ANALYSIS

SCOPE

The scope covers the footprint and flows for distribution of finished goods from manufacturing and suppliers to customers. In other words; where to locate your intended facilities, whether it's distribution centers, fulfillment centers, or warehouses, and which customers should be served with which products from each location.

OBJECTIVES

To establish the distribution network that:

- Maximizes the customer service
- Minimizes the logistical costs
- Maximizes flexibility
- Maximizes robustness to minimize the risks when the conditions change

DELIVERABLES

1. Best Distribution Network

A recommendation of the overall best distribution network, based on cost and service level, from warehouse to customers.

2. Alternative Networks

At forecast volume, various conceptual alternative networks evaluated based on transportation costs, warehousing costs, inventory carrying costs and service performance levels.

3. Supporting Analysis

All supporting analysis, including planning factors, demand factors, supply/demand maps, risk analyses, market analysis, local opportunities and others as identified or required.

4. Noted Improvements

As data is parsed and the project progresses, any observed opportunities for improvement in the distribution network will be relayed as they are identified.

5. Implementation of the recommended distribution network

We plan and manage the implementation to ensure no business interruption. Tasks include:

Project Detail Planning

Creating and agreeing on an implementation plan that minimizes business disruption, generally in Gantt chart format.

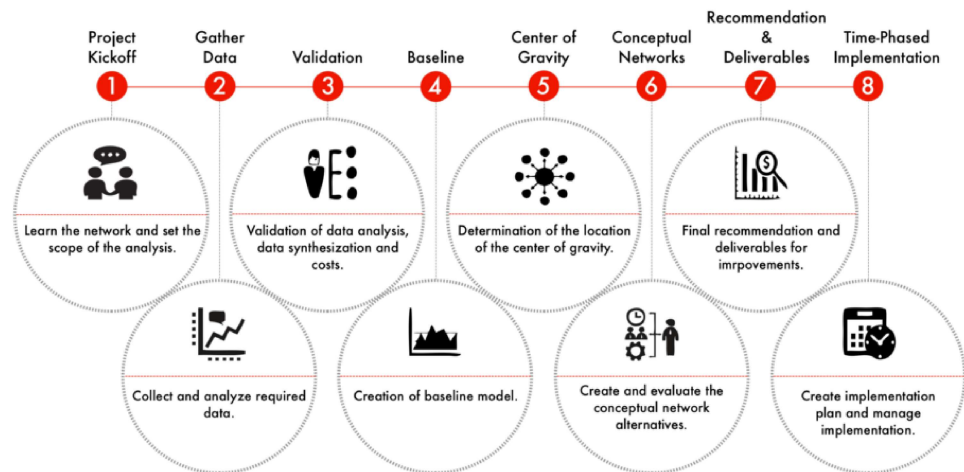
Bid Management

Handling all aspects of bid management, including: developing RFPs, soliciting RFPs responses, evaluating supplier responses, assisting contract negotiations.

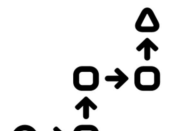
Implementation Management

Managing physical implementation: coordinating vendor scheduling, maintaining implementation plan, managing any unforeseen issues, verifying installation quality.

METHODOLOGY



The four main criteria, quantitative and qualitative, of each concept are:



Transportation

Analyzing transportation costs and service levels based on modes and requirements.

Warehousing

Determining the sizing and staffing levels, while identifying the lowest cost for each required facility.

Inventory

Calculating the effects of each concept on inventory and service levels.

Sensitivity

What-if analysis to determine the robustness of each alternative.

Planning Factors

Pools/
Consolidations

Route
Optimizations

Mode
Optimizations

Other

Outsourcing
to 3PL

Warehouse
Efficiencies

Economies
of Scale

Regional
Opportunities

Deployment
by Facility

Vendor-
Managed

Customer-
Specific

Other

Risk Analysis
for
Unwanted
Factors

Assumption
Evaluation

Forecast
Validation

- **Chools** has experience from hundreds of supply chain network optimization projects.

- We are supply chain management consultants, which means that the qualitative and practical aspects are included in the evaluation besides the mathematical algorithms.
- **Chools** is totally unbiased, which guarantees that the solution is optimized for your operation.
- To optimize a distribution network it takes skills and experience in transportation, warehousing and inventory management. We have it.

Contact us (</contact-us>) for more information on our services.

Tools & Methods



Within distribution network design, we are using state of the art tools and methods. Below you will find some of the more important tools.

Assign™

CzarLite

PC Miller

Logivations

Supply Chain

Optimity

Case Studies



Chools has a long track-record within supply chain design. The case studies below are just a few examples of achievements from **Chools** supply chain consultants together with clients.

VIEW ALL CASE STUDIES (/CASE-STUDIES/SUPPLY-CHAIN-STRATEGY)

Global Network Modeling Semiconductors

Optimization of a global distribution network for semiconductors that reduced the supply chain costs by 20%.

READ CASE STUDY (/GLOBAL-NETWORK-MODELING-SEMICONDUCTORS)

Network Design Household Goods

A case study about how a distribution network optimization saved 10% in logistics costs and improved customer service for a household goods manufacturer.

READ CASE STUDY (/NETWORK-DESIGN-FOR-HOUSEHOLD-GOODS)

Network Modeling Pharma

Read about how **Chools** helped two merged pharmaceutical companies create a consolidated distribution network to save costs and improve the delivery service.

READ CASE STUDY (/DISTRIBUTION-NETWORK-DESIGN-FOR-PHARMA)

Global Network Validation Safety Equipment

Evaluation and improvements of a global distribution network strategy for a manufacturer of safety equipment.

[READ CASE STUDY \(/GLOBAL-NETWORK-VALIDATION-SAFETY-EQUIPMENT\)](#)

Network Design For A Shoe Company

A breakthrough and highly successful new design for footwear, created a need for a new distribution structure. The case study tells about how **Chools** helped setting up the new distribution.

[READ CASE STUDY \(/NETWORK-DESIGN-SHOE-COMPANY\)](#)

Supply Chain Strategy – Consumer Electronics

A client case study from a consumer electronics company from where **Chools** performed a detailed benchmarking with competitors to changed transportation concept and a reconfiguration of the client's distribution network.

[READ CASE STUDY \(/SUPPLY-CHAIN-STRATEGY-CONSUMER-ELECTRONICS\)](#)

Supply Chain Analysis Consumer Electronics

Read about how **Chools** helped a manufacturer of consumer electronics reduce the transportation costs by benchmarking, negotiations and optimization of the distribution network

[READ CASE STUDY \(/SUPPLY-CHAIN-OPTIMIZATION\)](#)