ChecklistGuro

Supply Chain Network Optimization Checklist

Network Design Assessment

Evaluate current network structure and identify areas for improvement in facility locations, transportation routes, and distribution channels.

Number of Distribution Centers

Enter a number...

Average Distance Between Facilities (miles)

Enter a number...

Primary Transportation Mode

- [ ] Truck
- [ ] Rail
- [ ] Air
- [ ] Sea

Current Network Challenges

Write something...

Average Lead Time (days)

Enter a number...

Network Complexity Level

- [ ] Low
- [ ] Medium
- [ ] High

Notes on Geographic Coverage

Write something...

Facility Location Analysis

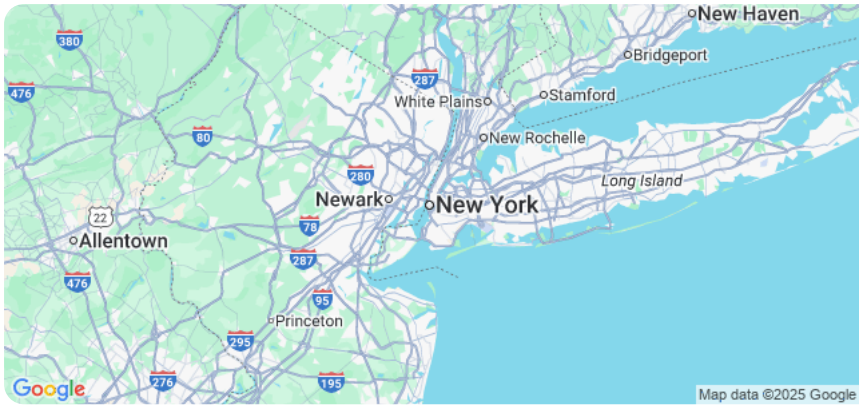
Assess the effectiveness of current facility locations based on factors like customer proximity, transportation costs, and labor availability. Consider optimization possibilities.

Current Facility Count

Enter a number...

Location of Primary Distribution Center

Set My Current Location



Average Delivery Distance (Miles)

Enter a number...

Proximity to Major Transportation Hubs

- [ ] Excellent
- [ ] Good
- [ ] Fair
- [ ] Poor

Land Costs per Square Foot (USD)

Enter a number...

Labor Availability Rating

- [ ] High
- [ ] Medium
- [ ] Low

Current Labor Cost Analysis and Trends

Write something...

Average Rent/Lease Costs (USD)

Enter a number...

Transportation Mode Optimization

Analyze the mix of transportation modes used (e.g., truck, rail, air) and evaluate opportunities to reduce costs and improve transit times. Consider fuel efficiency and sustainability.

Current Truck Transportation Cost (USD/Mile)

Enter a number...

Current Rail Transportation Cost (USD/Mile)

Enter a number...

Current Air Freight Cost (USD/Package)

Enter a number...

Primary Transportation Mode for Region A

- [ ] Truck
- [ ] Rail
- [ ] Air
- [ ] Intermodal

Transportation Modes to Evaluate for Cost Reduction

- [ ] Truck
- [ ] Rail
- [ ] Air
- [ ] Ocean
- [ ] Intermodal

Date of Last Transportation Cost Analysis

Enter date...

Notes on Current Mode Selection Criteria

Write something...

Inventory Placement Strategy

Review inventory levels and placement across the network to minimize holding costs and ensure product availability. Consider safety stock levels and demand variability.

Safety Stock Level - Product A (Units)

Enter a number...

Reorder Point - Product B (Units)

Enter a number...

Primary Distribution Center for Product C

- [ ] DC-North
- [ ] DC-South
- [ ] DC-West
- [ ] DC-East

Average Lead Time (Days) - Product D

Enter a number...

Inventory Allocation Strategy - Product E

- [ ] Demand-Driven
- [ ] Cost-Optimized
- [ ] Service-Level Based

Maximum Inventory Holding Cost (%)

Enter a number...

Distribution Channel Analysis

Examine distribution channels (e.g., direct-to-consumer, retailers, wholesalers) and identify opportunities for improved efficiency and customer reach.

Percentage of Sales via Direct-to-Consumer Channel

Enter a number...

Percentage of Sales via Retail Partnerships

Enter a number...

Average Order Value for Online Sales

Enter a number...

Primary Distribution Channel Focus (Current)

- [ ] Direct-to-Consumer
- [ ] Retail Partnerships
- [ ] Wholesale
- [ ] Other

Current Distribution Channel Challenges

- [ ] High Costs
- [ ] Long Lead Times
- [ ] Limited Reach
- [ ] Poor Visibility
- [ ] Lack of Control

Describe any specific trends observed in channel performance (e.g., shift to online, decline in retail)

Write something...

Technology Integration

Assess the use of technology (e.g., TMS, WMS, network modeling software) to support network optimization efforts and data visibility.

TMS (Transportation Management System) Utilization

- [ ] Fully Implemented and Integrated
- [ ] Partially Implemented
- [ ] Not Currently Utilized

WMS (Warehouse Management System) Integration

- [ ] Fully Integrated
- [ ] Partially Integrated
- [ ] Not Integrated

Real-time Visibility Data Sources (Number)

Enter a number...

Network Modeling Software

- [ ] Used Regularly
- [ ] Used Occasionally
- [ ] Not Currently Used

Describe Data Integration Challenges

Write something...

ERP System Integration

- [ ] Fully Integrated
- [ ] Partially Integrated
- [ ] Not Integrated

Date of Last System Integration Review

Enter date...

Risk Mitigation & Resilience

Evaluate potential disruptions to the network (e.g., natural disasters, supplier issues) and implement strategies to mitigate those risks and improve resilience.

Safety Stock Levels (Days)

Enter a number...

Potential Disruption Types

- [ ] Natural Disaster (e.g., Hurricane, Earthquake)
- [ ] Supplier Failure
- [ ] Geopolitical Instability
- [ ] Cybersecurity Breach
- [ ] Transportation Disruption

Contingency Plan Details (Supplier A)

Write something...

Last Review Date of Contingency Plans

Enter date...

Criticality of Affected Product/Service

- [ ] High
- [ ] Medium
- [ ] Low

Supporting Documentation (e.g., alternative supplier contracts)

Upload File

Cost Analysis & ROI

Track costs associated with the current network and estimate the potential return on investment (ROI) for optimization initiatives.

Current Annual Transportation Costs

Enter a number...

Projected Annual Transportation Cost Reduction (Optimized Network)

Enter a number...

Current Annual Warehousing Costs

Enter a number...

Projected Annual Warehousing Cost Reduction (Optimized Network)

Enter a number...

Initial Investment Costs for Network Optimization

Enter a number...

Projected Annual Inventory Holding Cost Reduction

Enter a number...

Estimated Payback Period (in years)

Enter a number...

Method Used for ROI Calculation

- [ ] Simple ROI
- [ ] Discounted Cash Flow (DCF)
- [ ] Other

Performance Measurement & KPIs

Define key performance indicators (KPIs) to track the effectiveness of the optimized network and identify areas for continuous improvement (e.g., lead times, costs, service levels).

Average Order Lead Time (Days)

Enter a number...

Transportation Cost as % of Revenue

Enter a number...

Inventory Turnover Rate

Enter a number...

On-Time Delivery Rate (%)

Enter a number...

Perfect Order Rate (%)

Enter a number...

Current KPI Tracking Frequency

- [ ] Daily
- [ ] Weekly
- [ ] Monthly
- [ ] Quarterly

Date of Last KPI Review

Enter date...

Sustainability Assessment

Evaluate the environmental impact of the supply chain network and identify opportunities to reduce carbon footprint and improve sustainability.

Carbon Footprint (Current Year)

Enter a number...

Percentage of Renewable Energy Used

Enter a number...

Sustainable Packaging Materials Used?

- [ ] Recycled Content
- [ ] Biodegradable
- [ ] Compostable
- [ ] Minimal Packaging
- [ ] None

Supplier Sustainability Standards?

- [ ] Formal Program (e.g., EcoVadis)
- [ ] Self-Assessment Questionnaire
- [ ] No Formal Standards

Description of Sustainable Transportation Initiatives

Write something...

Waste Reduction Target (% Reduction)

Enter a number...