

16 Critical Supply Chain Management Decisions

1. Reducing variation in the Supply Chain
 - a. The Bullwhip Effect / visibility of inventory and demand in the supply chain
2. Choosing the best Supply Chain for your Product
3. How Information Technology is used in SCM to reduce costs and increase sales
 - a. Work-flow technologies
 - b. Improve visibility of inventory and end-customer demand
 - c. New business models to increase sales
4. Trust and Collaboration with Supply Chain Partners
5. Optimization Methods to help management make decisions about
 - a. Supply Chain network design / facility location
 - b. Inventory quantities
 - c. Routing trucks
 - d. Transportation modes
6. Aggregating data to reduce variation of data used in analytical models
7. Using simulation to evaluate systems and decisions under uncertain conditions (demand, material process, operating costs, supply, etc.)
 - a. Discrete event simulation
 - b. Monte Carlo simulation
8. 15 Strategic Choices to consider when designing your Global Supply Chain
 - a. Postponement
 - b. Consolidation
 - c. Leanness
 - d. Agile
 - e. Adaptability
 - f. Flexibility
 - g. Speed
 - h. Responsiveness
 - i. Collaboration
 - j. Hedging
 - k. Diversification
 - l. Redundancy
 - m. Value Contribution
 - n. Core Competency
 - o. Differentiation

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9. Using Statistical Models (regression, logistics regression) to improve Supply Chain decisions
10. The importance of Economies of Scale in:
 - a. Transportation
 - b. Warehouses
 - c. Factories
11. Aligning Suppliers – Operations – Customers
 - a. Working with the right suppliers
 - b. Optimizing operations
 - c. Serving the right customers
12. The Hierarchy of Strategic – Tactical – Operational Decisions
 - a. How strategic (long-term) decisions affect tactical (medium-term) decisions
 - b. How strategic and tactical decisions affect operating (monthly-weekly-daily) decisions
13. Blending Qualitative and Quantitative decision making to optimize outcomes
14. The Best Supply Chains are Agile, Adaptable and Aligned
15. Supply Chain Performance Measures
 - a. Boundary-spanning measures that go beyond one firm's success
 - b. Incenting the supply chain to succeed
16. Using the "Ideal" Lean Scorecard to Assess Opportunities for Improvement