



Advanced Planning in Supply Chain Management

Website: www.btsconsultant.com

Email: info@btsconsultant.com

Telephone: 00971-2-6452630

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Introduction:

Supply chain management (SCM) involves the coordination of different parties within and across companies, such as sales and marketing affiliates, manufacturing sites, logistics, suppliers, customers, and wholesalers. With increasing size of an organization and its supply chain structures, global supply chain management requires adequate planning systems. This course of a hugely important work gives a broad and up-to-date overview of the concepts underlying APS. Special emphasis is given to modeling supply chains and implementing APS successfully in industrial contexts. What's more, delegates' understanding is enhanced by several case studies covering a wide range of industrial sectors.

Who Should Attend?

Logistics Consultants, Logistics and Financial Managers, Accounting and Operations Managers, Third-Party Logistics Providers, Supply Chain and Logistics Managers and Professionals, Operations Managers, Logistics Professionals, Logistic Providers, Logistic Administrators, Logistics Planning and Inventory Managers, Supply, Buying, Purchase, Logistics, Materials and Supply Chain Professionals, General Services Personnel, Purchasing and Procurement Managers, Retailers, Warehouse Personnel, Transportation and Distribution Managers/Personnel, Inventory and Warehouse Control Professionals, Freight Forwarders and Linear Specialists, Production Managers, Production Planners, Financial Managers, Project Managers, Distribution Center Supervisors, Line Managers, Fleet Managers, Fleet Supervisors, Fleet Operators, Fleet Inspectors

Course Objectives:

By the end of this course delegates will be able to:

- Describe a supply chain and define supply chain management
- Describe the objectives and elements of supply chain management
- Describe local, regional, and global supply chain management activities among services and manufacturing companies
- Describe a brief history and some of the trends of supply chain management
- Understand how the bullwhip effect impacts supply chain members

Course Outline:

Basis of Supply Chain Management

- Supply chain management - an overview
- Supply chain analysis
- Process modeling
- Performance measurement
- Inventory analysis
- Types of supply chains
- Advanced planning

Concepts of Advanced Planning Systems

- Structure of advanced planning systems
- Strategic network design
- Demand planning
- Master planning
- Demand fulfillment and ATP
- Production planning and scheduling
- Purchasing and material requirements planning
- Distribution and transport planning

- Coordination and integration
- Collaborative planning

Implementing Advanced Planning Systems

- The definition of a supply chain project
- Supply chain evaluation
- Supply chain potential analysis
- Project roadmap
- The selection process
- APS Requirements
- Implementation and integration
- Post-implementation effort and support model
- The implementation process
- The APS implementation project
- Modeling phases of an APS-Project

Actual APS and Case Studies

- Architecture of selected APS
- Strategic network design in the chemical industry
- Computer assembly
- Oil industry
- SCM in a pharmaceutical company
- Demand planning of Styrene Plastics