

SUPPLY CHAIN PLANNING, ANALYSIS, STRATEGY DEVELOPMENT & RISK ANALYSIS

“Build Resilient, Data-Driven, and Strategically Aligned Supply Chains for High Performance and Risk Readiness”

Schedule

Date	Venue	Fees (Face-to-Face)
17 - 21 Feb 2025	Dubai - UAE	USD 3495 per delegate

Introduction

Modern supply chains are under constant pressure—from market volatility and geopolitical disruptions to demand variability and logistical constraints. Strategic supply chain planning, backed by analytical insights and risk-aware thinking, is essential for businesses to stay competitive, agile, and resilient.

This 5-day course equips supply chain professionals with practical tools and strategic frameworks to plan, optimize, and future-proof supply chain operations. Participants will learn to align supply chain strategy with business goals, perform risk assessments, analyze supply chain performance, and build robust response mechanisms.

Objectives

By the end of this course, participants will be able to:

- Design supply chain strategies aligned with organizational and customer needs
- Apply planning models for demand, supply, inventory, and logistics optimization
- Use data analysis tools to improve forecasting and decision-making
- Identify and assess supply chain risks and create mitigation strategies
- Balance cost, service, and risk across global and regional supply chains
- Integrate digital tools and analytics for smarter supply chain management

Why Attend

- Learn how to build efficient, customer-responsive, and risk-resilient supply chains
- Improve forecasting accuracy, inventory balance, and supplier performance
- Align operations with strategic business planning and sustainability goals
- Anticipate disruptions and build proactive supply chain risk strategies
- Apply best-in-class planning models and performance metrics

Target Audience

This program is designed for:

- Supply chain, logistics, and procurement managers
- Planners and analysts responsible for forecasting and operations
- Inventory and demand planning professionals
- Commercial, finance, and risk managers linked to supply performance
- Anyone involved in strategic supply chain design and decision-making

Individual Benefits

Key competencies that will be developed include:

- Demand planning, supply planning, and inventory optimization
- Strategic alignment of supply chain design and performance
- Risk identification, mapping, and mitigation planning
- Analytical thinking and scenario modeling for supply chain decision-making
- Tools to improve end-to-end supply chain visibility and control

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Improved forecasting and inventory efficiency
- Greater resilience to supply chain disruptions
- Strategic sourcing and network design based on risk and cost trade-offs
- Better alignment between commercial strategy and operational execution
- Stronger cross-functional collaboration in planning and risk mitigation

Instructional Methodology

The course follows a blended learning approach combining theory with practice:

- Strategy Briefings - Global supply chain trends, planning models, and best practices
- Case Studies - Examples of successful and failed supply chain strategies
- Workshops - Scenario analysis, network design, and risk simulation exercises
- Peer Exchange - Cross-industry challenges and experience sharing
- Tools - Planning templates, risk registers, KPI dashboards, and analytics models

Course Outline

DETAILED 5-DAY COURSE OUTLINE

Training Hours: 7:30 AM - 3:30 PM Daily Format: 3-4 Learning Modules | Coffee breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 - 02:00

Day 1: Strategic Supply Chain Planning

- Module 1: Foundations of Supply Chain Strategy (07:30 - 09:30) • End-to-end supply chain overview • Aligning supply chain objectives with corporate strategy • Trade-offs: cost, service, agility, and sustainability
- Module 2: Supply Chain Network Design (09:45 - 11:15) • Centralized vs. decentralized networks • Global vs. regional sourcing models • Facility location and distribution models
- Module 3: Workshop - Supply Chain Strategy Map (11:30 - 01:00) • Participants develop a high-level supply chain strategy blueprint
- Module 4: Case Study - Strategic Network Redesign (02:00 - 03:30) • Teams analyze a real-world supply chain redesign initiative

Day 2: Demand and Supply Planning Models

- Module 1: Demand Forecasting Techniques (07:30 - 09:30) • Quantitative vs. qualitative methods • Time series, causal models, and collaborative planning
- Module 2: Supply and Production Planning (09:45 - 11:15) • Material requirements planning (MRP), capacity planning, and scheduling • S&OP and integrated business planning (IBP)
- Module 3: Inventory Optimization and Replenishment (11:30 - 01:00) • EOQ, safety stock, reorder point, ABC/XYZ analysis • Inventory visibility and multi-tier planning
- Module 4: Workshop - Planning Scenario Exercise (02:00 - 03:30) • Teams use demand data to plan inventory and production

Day 3: Supply Chain Performance and Analytics

- Module 1: Measuring Supply Chain Effectiveness (07:30 - 09:30) • KPIs: OTIF, inventory turns, forecast accuracy, supply reliability • Balanced scorecard for supply chain
- Module 2: Root Cause Analysis in Supply Chain Failures (09:45 - 11:15) • Fishbone diagrams, Pareto analysis, 5 Whys • Performance benchmarking
- Module 3: Data-Driven Supply Chain Decisions (11:30 - 01:00) • Introduction to data analytics in SCM • Dashboards, BI tools, and scenario modeling
- Module 4: Workshop - KPI & Dashboard Design (02:00 - 03:30) • Participants build a performance monitoring framework

Day 4: Supply Chain Risk Management

- Module 1: Identifying and Categorizing Risks (07:30 - 09:30) • Operational, geopolitical, environmental, and financial risks • Risk assessment matrices and early warning signals
- Module 2: Building Resilience and Response Plans (09:45 - 11:15) • Supply chain continuity planning • Buffer strategies, supplier diversification, and redundancy
- Module 3: Supply Chain Insurance and Compliance (11:30 - 01:00) • Force majeure, trade compliance, and legal considerations
- Module 4: Workshop - Risk Mapping and Response Planning (02:00 - 03:30) • Teams create risk registers and mitigation plans

Day 5: Future Trends and Integrated Strategy Execution

- Module 1: Digital and Sustainable Supply Chains (07:30 - 09:30) • AI, IoT, blockchain, and digital twins in SCM • Green logistics and circular supply chain models
- Module 2: Integrating Strategy with Execution (09:45 - 11:15) • Bridging planning and operations • Cross-functional integration: sales, finance, operations
- Module 3: Final Exercise - Integrated Supply Chain Simulation (11:30 - 01:00) • End-to-end planning, risk, and performance response
- Module 4: Course Wrap-Up & Certification (02:00 - 03:30) • Team presentations and action plans

Certification

Participants will receive a Certificate of Completion in Supply Chain Planning, Strategy & Risk Analysis, validating their ability to design, analyze, and manage high-performance, risk-aware supply chains.

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