

# 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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