10-Day Supply Chain Engineering Training Course

21 Sep - 02 Oct 2026
London

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10-Day Supply Chain Engineering Training Course

Ref.: 103600544_73107 **Date:** 21 Sep - 02 Oct 2026 **Location:** London **Fees:** 10000 **Euro**

Course Overview:

In the ever-evolving world of logistics and commerce, 'Trends in Supply Chain Management, Optimisation, and Engineering' offers a comprehensive view of the latest strategies and technologies. This course covers supply chain training programs, supply chain management training, supply chain optimization training, and various supply chain analytics course training. From sustainable supply chain training to supply chain risk management training, it encompasses key areas of modern supply chain processes. Its unique blend of practical and theoretical insights offers an edge in procurement supply chain management training courses, making it an essential resource for professionals.

Target Audience:

- Professionals seeking supply chain training certification
- Supply chain managers looking for supply chain manager training
- Analysts interested in supply chain analyst training
- Professionals wanting to upgrade to certified supply chain professional training

Targeted Organizational Departments:

- Supply Chain and Logistics
- Procurement and Purchase
- Inventory Management
- Risk Management

Targeted Industries:

- Manufacturing
- Retail
- Healthcare
- Automotive

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Course Offerings:

Participants will learn:

- Strategies in supply chain training programs
- Risk assessment in supply chain risk management training
- Optimization techniques through supply chain optimization training
- Digital Transformation in digital supply chain course
- Certified supply chain professional training standards

Training Methodology:

The training methodology in 'Trends in Supply Chain Management, Optimisation, and Engineering' includes interactive sessions, supply chain training courses, group work, case studies on logistics and supply chain management training, and feedback sessions. Training for supply chain management, this course is a blend of traditional supply chain training and cutting-edge tools like supply chain online training, supply chain course online, and dynamics 365 supply chain management training, thus offering a well-rounded perspective.

Course Toolbox:

- Online resources for supply chain online training
- Checklists for supply chain compliance training
- Templates for supply chain manager training

Course Agenda:

Day 1: RFID & Auto-ID Technologies in Supply Chains

- **Topic 1:** Fundamentals of RFID and Auto-ID Technologies in SCM
- **Topic 2:** Systems Approach to RFID Implementation in Supply Chains
- **Topic 3:** RFID Applications Across Procurement, Warehousing, and Distribution
- **Topic 4:** RFID Integration with ERP and Warehouse Management Systems WMS
- **Topic 5:** Cost-Benefit Analysis and ROI of RFID Deployment
- **Topic 6:** Challenges and Risks in RFID Adoption and Implementation
- **Reflection & Review:** Evaluate how RFID transforms visibility and traceability in supply chains

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Day 2: RFID Analytics & Inventory Optimization

- **Topic 1:** RFID Data Capture and Real-Time Tracking Mechanisms
- **Topic 2:** Tools for Measuring RFID Value in Supply Chain Operations
- **Topic 3:** Impact of RFID on Inventory Accuracy and Stock Visibility
- **Topic 4:** Inventory Control Optimization Using RFID Insights
- **Topic 5:** Reducing Shrinkage and Losses through RFID Systems
- **Topic 6:** Case Studies on RFID-Driven Inventory Improvements
- **Reflection & Review:** Assess measurable improvements in inventory management using RFID

Day 3: Mobile Supply Chains & Digital Transformation

- **Topic 1:** Introduction to Mobile Supply Chain Event Management
- **Topic 2:** Role of IoT, Sensors, and Auto-ID in Real-Time Operations
- **Topic 3:** Simulation Models for Mobile Supply Chain Optimization
- **Topic 4:** Impact of Information Technology on Supply Chain Performance
- **Topic 5:** Cloud-Based SCM Platforms and Digital Integration
- **Topic 6:** Cybersecurity Considerations in Digital Supply Chains
- **Reflection & Review:** Analyze how digital transformation enhances responsiveness and control

Day 4: Agile Supply Chain Design & Innovation

- **Topic 1:** Principles of Supply Chain Agility and Flexibility
- **Topic 2:** Agent-Based Models for Supply Chain Optimization
- **Topic 3:** Designing Supply Chains in Heterogeneous Environments
- **Topic 4:** Adaptive Supply Chain Networks and Decision-Making
- **Topic 5:** Innovation Strategies for Dynamic Market Conditions
- **Topic 6:** Performance Metrics for Agile Supply Chains
- **Reflection & Review:** Evaluate how agility improves resilience and competitiveness

Day 5: Reverse Logistics & Value Chain Transformation

- **Topic 1:** Fundamentals of Reverse Logistics and Circular Supply Chains
- **Topic 2:** Designing Multi-Product Reverse Logistics Networks
- **Topic 3:** Recycling, Remanufacturing, and Sustainability Integration
- **Topic 4:** Government Value Chain Transformation Models
- **Topic 5:** Emerging Business Models in Public and Private Sectors
- **Topic 6:** Technology Enablers for Reverse Supply Chains
- **Reflection & Review:** Assess the role of reverse logistics in sustainability and efficiency

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Day 6: Lean Supply Chains & Production Strategies

- **Topic 1:** Lean Supply Chain Principles and Waste Reduction
- **Topic 2:** Value Stream Mapping for Supply Chain Optimization
- **Topic 3:** Diverse Production and Distribution Models
- **Topic 4:** Case Study: Semiconductor Industry Supply Chains
- **Topic 5:** Synchronization of Production and Logistics Flows
- **Topic 6:** Continuous Improvement Kaizen in Supply Chains
- **Reflection & Review:** Analyze lean strategies for improving efficiency and cost control

Day 7: Decentralized & Intelligent Supply Chains

- **Topic 1:** Centralized vs. Decentralized Supply Chain Models
- **Topic 2:** Multi-Agent Systems in Supply Chain Planning
- **Topic 3:** Dynamic Lot-Sizing and Demand Planning Techniques
- **Topic 4:** Vendor Managed Inventory VMI Strategies
- **Topic 5:** Integration of Transportation into Supply Chain Networks
- **Topic 6:** Decision Intelligence in Distributed Supply Chains
- **Reflection & Review:** Evaluate decentralized models for scalability and responsiveness

Day 8: Managing Supply Chain Uncertainty

- **Topic 1:** Types and Sources of Supply Chain Uncertainty
- **Topic 2:** Supply Risk Management and Mitigation Strategies
- **Topic 3:** Diversification of Suppliers and Global Sourcing
- **Topic 4:** Quantitative Robustness in Supply Chain Design
- **Topic 5:** Scenario Planning and Risk Simulation Models
- **Topic 6:** Building Resilient Supply Chain Networks
- **Reflection & Review:** Assess strategies to reduce uncertainty and improve stability

Day 9: Performance Optimization & European SCM Insights

- **Topic 1:** Impact of Reducing Uncertainty in Global Supply Chains
- **Topic 2:** European Supply Chain Models and Best Practices
- **Topic 3:** KPI Frameworks for Supply Chain Performance
- **Topic 4:** Data-Driven Decision Making in SCM
- **Topic 5:** Benchmarking Supply Chain Efficiency
- **Topic 6:** Continuous Monitoring and Performance Dashboards
- **Reflection & Review:** Analyze performance improvement techniques across supply chains

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Day 10: Availability Management & Strategic Recap

- **Topic 1:** Available-To-Promise ATP and Capable-To-Promise CTP Concepts
- **Topic 2:** Availability Management Processes in Supply Chains
- **Topic 3:** Demand Fulfilment and Order Promising Systems
- **Topic 4:** Aligning Supply Chain Strategy with Customer Demand
- **Topic 5:** Future Trends: AI, Automation, and Predictive Supply Chains
- **Topic 6:** Strategic Integration of All Supply Chain Components
- **Reflection & Review:** Synthesize learning outcomes and develop actionable supply chain strategies

How This Course is Different from Other Supply Chain Management Courses:

'Trends in Supply Chain Management, Optimization, and Engineering' stands apart through its robust supply chain training program, inclusion of supply chain manager training, dynamics 365 supply chain management training, and supply chain analyst training. From basic supply chain training to certified supply chain professional training, it covers all aspects, uniquely tailored to current market demands.

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Training Course Categories

- Agile PM and Project Management Training Courses
- Certified Courses By International Bodies
- Communication and Public Relations Training Courses
- Data Analytics Training and Data Science Courses
- Environment & Sustainability Training Courses
- Finance and Accounting Training Courses
- Governance, Risk and Compliance Training Courses
- Human Resources Training and Development Courses
- IT Security Training & IT Training Courses
- Leadership and Management Training Courses
- Legal Training, Procurement and Contracting Courses
- Maintenance Training and Engineering Training Courses
- Marketing, Customer Relations, and Sales Courses
- Occupational Health, Safety and Security Training Courses
- Personal & Self-Development Training Courses
- Quality and Operations Management Training Courses
- Secretarial and Administration Training Courses

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Training Cities

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Baku Azerbaijan	**Bangkok** Thailand	**Barcelona** Spain
Berlin Germany	**Cairo** Egypt	**Cape town** South Africa
Casablanca Morocco	**Chicago** USA	**Doha** Qatar
Dubai UAE	**Frankfurt** Germany	**Geneva** Switzerland
Istanbul Turkey	**Jakarta** Indonesia	**Johannesburg** South Africa
Kuala Lumpur Malaysia	**Kuwait** Kuwait	**Langkawi** Malaysia
Lisbon Portugal	**London** UK	**Madrid** Spain
Manama Bahrain	**Marbella** Spain	**Milan** Italy
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Zanzibar Tanzania	**Zoom** Online Training	