Agile Supply Chain and Resilient Logistics Planning Training Course



26 - 30 Oct 2026

Kuala Lumpur

5200 € (Per Person)

Ref: #PSC1361_143437

Course Introduction / Overview:

In today's volatile global market, the ability to adapt and recover from disruptions is no longer a competitive advantage but a core necessity for survival. This course addresses the critical need for building supply chains that are both agile and resilient. We will explore the principles that allow organizations to respond swiftly to market changes and withstand unforeseen shocks, from geopolitical events to natural disasters. Drawing on the foundational concepts articulated by leading academic Dr. Martin Christopher in his influential work, "Logistics & Supply Chain Management," this program moves beyond theory into practical application. Participants will learn to design and manage supply networks that are not only efficient but also robust and flexible. BIG BEN Training Center has developed this curriculum to equip professionals with the strategic foresight and operational tools needed for proactive risk management, demand-driven logistics, and enhanced supply chain visibility. This training provides a comprehensive framework for transforming your supply chain into a resilient, agile, and sustainable asset that drives business continuity and growth in an unpredictable world.

Target Audience / This training course is suitable for:

- Supply Chain Managers and Directors.
- Logistics and Distribution Planners.
- Procurement and Sourcing Professionals.
- Operations Managers.
- Inventory Control Specialists.
- Risk Management Officers.
- Demand and Supply Planners.
- Warehouse and Fulfillment Supervisors.
- Business Continuity Planners.

Target Sectors and Industries:

- Manufacturing and Industrial Production.
- Retail and Consumer Packaged Goods (CPG).
- E-commerce and Direct-to-Consumer (DTC) businesses.
- Pharmaceuticals and Healthcare.
- Automotive and Aerospace.
- Technology and Electronics.
- Food and Beverage Distribution.
- Third-Party Logistics (3PL) and Freight Forwarding.
- Government Agencies and Public Sector Services.

Target Organizations Departments:

- Supply Chain Management.
- Logistics and Transportation.
- Procurement and Purchasing.
- Operations and Production.
- Inventory Management and Warehousing.
- Strategic Planning and Corporate Strategy.
- Risk and Compliance.
- Finance and Cost Control.
- Customer Service and Fulfillment.

Course Offerings:

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

- Develop a comprehensive framework for assessing supply chain vulnerabilities and risks.
- Implement agile strategies to respond effectively to demand volatility and market shifts.
- Design resilient supply chain networks that ensure business continuity during disruptions.
- Utilize data analytics and technology to enhance supply chain visibility and predictive capabilities.
- Master inventory optimization techniques that balance cost, service levels, and risk.
- Foster collaborative relationships with suppliers and partners to build a stronger, more resilient ecosystem.
- Create and implement a robust supply chain continuity and recovery plan.
- Evaluate the financial impact of supply chain disruptions and the ROI of resilience investments.
- Lead digital transformation initiatives to build a future-proof supply chain.

Course Methodology:

The training methodology at BIG BEN Training Center is designed to be highly interactive, practical, and engaging, ensuring that participants can immediately apply their learning in a professional context. This course moves beyond traditional lectures by integrating a dynamic blend of expert-led presentations, real-world case study analyses of major supply chain disruptions, and collaborative group workshops. Participants will work in teams to solve complex logistics problems, design resilient network models, and develop risk mitigation plans. Interactive simulation exercises will challenge attendees to make critical decisions under pressure, mirroring the complexities of managing a modern supply chain. We emphasize a hands-on approach, where facilitated discussions, peer-to-peer learning, and structured feedback sessions are integral to the experience. This immersive learning environment encourages critical thinking and provides the tools and confidence needed to build and manage agile and resilient supply chains effectively.

Course Agenda (Course Units):

Unit One: Foundations of Supply Chain Agility and Resilience

- Defining Supply Chain Agility and its core components.
- Understanding Supply Chain Resilience and its importance in a volatile world.
- The trade-offs between lean, agile, and resilient supply chain models.
- Historical context of major supply chain disruptions and lessons learned.
- Key Performance Indicators (KPIs) for measuring agility and resilience.
- The role of strategic foresight in anticipating future challenges.
- Mapping your current supply chain to identify vulnerabilities.

Unit Two: Proactive Risk Management and Disruption Mitigation

- Identifying and categorizing supply chain risks (e.g., operational, financial, geopolitical).
- Conducting a comprehensive Supply Chain Risk Assessment.
- Developing a risk mitigation and control strategy.
- Techniques for stress-testing the supply chain against potential disruptions.
- Building a robust Business Continuity Plan (BCP) for logistics operations.
- Crisis communication and stakeholder management during a disruption.
- Leveraging insurance and financial instruments for risk transfer.

Unit Three: Implementing Agility in Supply Chain Operations

- Demand sensing and shaping for improved forecast accuracy.
- Postponement and flexible manufacturing strategies.
- Agile inventory management and strategic buffering techniques.
- Developing responsive and collaborative supplier relationships.
- Reducing lead times through process re-engineering and optimization.
- Agile transportation and last-mile delivery solutions.
- The role of cross-functional teams in enabling an agile response.

Unit Four: Designing and Building Resilient Logistics Networks

- Principles of resilient supply chain network design.
- The strategic use of redundancy (multi-sourcing, backup facilities).
- Geographic diversification and regionalization of supply bases.
- Enhancing supply chain visibility from end-to-end.
- Building collaborative partnerships for shared risk and resilience.
- Sustainable supply chain practices as a component of long-term resilience.
- Frameworks for post-disruption recovery and network reconfiguration.

Unit Five: Technology and the Future of Resilient Supply Chains

- The role of Digital Twins in modeling and simulating disruptions.
- Leveraging IoT and sensors for real-time tracking and visibility.
- Applying Artificial Intelligence (AI) and Machine Learning for predictive analytics.
- Blockchain technology for enhanced transparency and security.
- The impact of automation and robotics in warehouses and logistics.
- Developing a technology roadmap for a future-proof supply chain.
- Capstone Project: Designing an agile and resilient supply chain for a case study company.

FAQ:

Qualifications required for registering to this course?

There are no requirements.

How long is each daily session, and what is the total number of training hours for the course?

This training course spans five days, with daily sessions ranging between 4 to 5 hours, including breaks and interactive activities, bringing the total duration to 20 - 25 training hours.

Something to think about:

In an era of increasing deglobalization, how can a multinational corporation balance the cost-efficiency of a global supply chain with the resilience of localized networks?

What unique qualities does this course offer compared to other courses?

This course distinguishes itself by holistically integrating the concepts of agility and resilience, treating them not as separate objectives but as two interconnected pillars of a modern supply chain strategy. While many programs focus on either speed or robustness, our curriculum emphasizes the critical synergy between them, preparing participants to build supply chains that can both pivot quickly and withstand severe shocks. We move beyond theoretical frameworks by using a case-study-driven approach that dissects real-world disruptions, from the Suez Canal blockage to the semiconductor shortage, providing actionable insights. The curriculum is uniquely forward-looking, dedicating significant time to the role of emerging technologies like AI, Digital Twins, and blockchain in creating predictive and adaptive supply networks. Rather than just teaching risk mitigation, this course cultivates a mindset of strategic foresight and proactive resilience, empowering leaders to not only survive disruptions but to emerge from them stronger and with a distinct competitive advantage.