Project Supply Chain and Logistics Management Training Course



23 - 27 Nov 2026

Madrid

5900 € (Per Person)

Ref: #PRM3287_126218

Course Introduction / Overview:

This course provides a comprehensive exploration of the critical intersection between supply chain management, logistics, and project management. Unlike traditional supply chain models focused on continuous operations, project-based supply chains are temporary, dynamic, and often operate under immense pressure to meet strict deadlines and budgets. This program, offered by BIG BEN Training Center, is meticulously designed to equip professionals with the specialized skills needed to navigate these unique challenges. We will delve into the core principles articulated by leading thinkers like Dr. Martin Christopher in his seminal work, "Logistics & Supply Chain Management," adapting them to the project environment. Participants will learn to design, implement, and manage robust supply chains that are agile, resilient, and perfectly aligned with project objectives. From initial procurement planning and supplier selection to complex on-site logistics and final handover, this course covers the entire project lifecycle. It moves beyond theoretical concepts to provide practical strategies for managing project inventory, mitigating supply chain risks, leveraging technology for enhanced visibility, and optimizing logistics for cost efficiency and timely delivery, ensuring project success from start to finish.

Target Audience / This training course is suitable for:

- Project Managers and Project Directors.
- Supply Chain and Logistics Managers.
- Procurement and Sourcing Professionals.
- Operations Managers and Coordinators.
- Construction and Site Managers.
- Contract and Commercial Managers.
- Project Planners and Schedulers.
- Engineers and Technical Leads involved in material management.

Target Sectors and Industries:

- Construction and Infrastructure Development.
- Engineering, Procurement, and Construction (EPC).
- Oil, Gas, and Renewable Energy sectors.
- Manufacturing and Industrial Projects.
- Aerospace and Defense.
- IT and Telecommunications Infrastructure Projects.
- Governmental agencies and public sector infrastructure projects.
- Event Management and large-scale productions.

Target Organizations Departments:

- Project Management Office (PMO).
- Procurement and Purchasing Departments.
- Logistics and Distribution.
- Operations Management.
- Contracts and Commercial Departments.
- Planning and Cost Control.
- Engineering and Design.
- Finance and Accounting.

Course Offerings:

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

- Develop a strategic supply chain plan tailored to specific project requirements.
- Master advanced procurement and sourcing strategies for project materials and services.
- Analyze and mitigate risks throughout the project supply chain.
- Optimize logistics operations, including transportation, warehousing, and inventory management.
- Implement key performance indicators (KPIs) to monitor and improve supply chain performance.
- Manage supplier relationships and contracts effectively within a project context.
- Integrate sustainable and ethical practices into project supply chain operations.
- Leverage modern technology for enhanced supply chain visibility and coordination.

Course Methodology:

The training methodology at BIG BEN Training Center is designed to be highly interactive, engaging, and practical, ensuring that participants can immediately apply their learning to real-world scenarios. We move beyond traditional lectures to foster a dynamic learning environment built on a foundation of experiential activities. The course heavily utilizes case studies of major international projects, allowing participants to analyze complex logistical challenges and successful supply chain strategies. Group discussions and collaborative problem-solving workshops encourage the sharing of diverse perspectives and experiences. Interactive sessions, simulations of project logistics planning, and role-playing exercises for contract negotiations will be central to the learning process. Our expert instructors facilitate these activities, providing continuous feedback and guiding participants to connect theoretical frameworks with practical application. This hands-on approach ensures a deep understanding of the material and builds confidence in managing the complexities of project supply chains.

Course Agenda (Course Units):

Unit One: Foundations of Project Supply Chain Management

- Introduction to Project-Based Supply Chains.
- Differentiating Project vs. Operational Supply Chains.
- Key Stakeholders and Their Roles in the Project Supply Chain.
- The Project Lifecycle and its Impact on Logistics.
- Core Components: Procurement, Logistics, and Materials Management.
- Strategic Alignment of Supply Chain with Project Goals.
- Introduction to Supply Chain Network Design for Projects.

Unit Two: Strategic Procurement and Sourcing for Projects

- Developing a Project Procurement Strategy.
- Supplier Identification, Prequalification, and Selection.
- Global Sourcing and International Procurement Considerations.
- Tendering, Bidding, and Negotiation Processes.
- Contract Management and Administration in Projects.
- Ethical and Sustainable Sourcing Practices.
- Managing Supplier Relationships for Project Success.

Unit Three: Project Logistics and Materials Management

- Inbound and Outbound Logistics Planning.
- Transportation Modes and Carrier Selection for Project Cargo.
- Warehousing and Inventory Management on Project Sites.
- Materials Handling, Preservation, and Storage.
- Last-Mile Logistics and On-Site Distribution Challenges.
- Customs Clearance and International Trade Compliance.
- Reverse Logistics for Project Demobilization and Waste Management.

Unit Four: Risk Management and Technology in Project Supply Chains

- Identifying and Assessing Supply Chain Risks in Projects.
- Developing Risk Mitigation and Contingency Plans.
- Ensuring Supply Chain Resilience and Agility.
- Role of Technology: ERP, SCM Software, and IoT.
- Utilizing Data Analytics for Predictive Insights.
- Achieving End-to-End Supply Chain Visibility.
- Introduction to Digital Twins in Project Logistics.

Unit Five: Performance, Optimization, and Future Trends

- Establishing Key Performance Indicators (KPIs) for Project Logistics.
- Cost Management and Budget Control in the Supply Chain.
- Implementing Lean Principles in Project Supply Chains.
- Continuous Improvement and Optimization Techniques.
- The Impact of Sustainability and the Circular Economy.
- Future Trends in Project Supply Chain Management.
- Course Review and Final Project Case Study Analysis.

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:

How might the principles of the circular economy fundamentally reshape traditional linear supply chain models in large-scale construction projects?

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

This course distinguishes itself by focusing exclusively on the unique, high-stakes environment of project-based supply chains, a niche often generalized in broader logistics programs. While other courses may teach supply chain theory, we dissect its application within the finite, deadline-driven, and often unpredictable context of a project. Our curriculum is built around the core challenge of integrating temporary supply networks with complex project schedules and budgets. We emphasize proactive risk management and resilience, preparing participants for the volatility inherent in project environments, from geopolitical disruptions to on-site logistical hurdles. The course provides a holistic view, seamlessly connecting strategic procurement and global sourcing with the tactical realities of on-site materials management and last-mile delivery. Furthermore, it is forward-looking, integrating critical contemporary themes such as digitalization, data analytics for predictive decision-making, and the growing importance of sustainability and the circular economy in project execution. Participants leave not just with knowledge, but with a specialized strategic framework for designing and managing supply chains that are a key driver of project success.