Distribution Logistics Best Practices: Optimizing Operations

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Online



Distribution Logistics Best Practices: Optimizing Operations

Ref: 20220306_222301 Date: 19 Location: Online Fees: 2200 GBP

Course Description

This intensive 1-week course equips professionals with advanced knowledge and skills in distribution logistics best practices. Participants will explore cutting-edge strategies for optimizing warehouse operations, inventory management, transportation, and supply chain integration. Through a combination of theoretical concepts and practical applications, attendees will gain valuable insights to enhance efficiency and drive operational excellence in their organizations.

Learning Objectives

- Master advanced warehouse management techniques and technologies
- Develop strategies for optimizing inventory control and demand forecasting
- Learn best practices in transportation planning and route optimization
- Understand key principles of supply chain integration and collaboration
- Acquire skills to implement continuous improvement in distribution processes

Course Modules

Day 1: Warehouse Operations Excellence

- Warehouse layout and design optimization
- Automated storage and retrieval systems
- Picking and packing strategies
- Warehouse management systems WMS

Day 2: Inventory Management and Control

- Demand forecasting techniques
- Inventory optimization models
- ABC analysis and cycle counting
- Just-in-Time JIT and lean inventory practices

Day 3: Transportation Optimization

- Mode selection and carrier management
- Route planning and optimization
- Cross-docking and consolidation strategies
- Transportation management systems TMS



Day 4: Supply Chain Integration

- Collaborative planning, forecasting, and replenishment CPFR
- Vendor-managed inventory VMI
- Supply chain visibility and traceability
- Risk management in distribution logistics

Day 5: Continuous Improvement and Technology

- Key performance indicators KPIs for distribution logistics
- Lean Six Sigma in logistics operations
- Emerging technologies: IoT, AI, and blockchain in logistics
- Sustainability practices in distribution

Practical Wins for Participants

- Develop a strategic plan to optimize warehouse layout and operations
- Create an inventory management framework to reduce costs and improve service levels
- Design a transportation optimization model for improved efficiency and cost savings
- Formulate a roadmap for implementing continuous improvement initiatives in distribution logistics

