

CRITICAL SPARES INVENTORY MANAGEMENT FOR WAREHOUSE OPERATIVES

“Optimizing Inventory Management for Critical Spares in Warehouse Operations”

Schedule

Date	Venue	Fees (Face-to-Face)
01 - 05 Mar 2026	Manama - Bahrain	USD 3495 per delegate
03 - 07 Aug 2026	London - UK	USD 3495 per delegate

► **Available delivery methods:** Face-to-Face & Online Training

Introduction

Effective management of critical spares inventory is essential for maintaining operational continuity and minimizing downtime in industries such as manufacturing, energy, and logistics. This 5-day course focuses on providing warehouse operatives with the tools and knowledge to effectively manage critical spares, optimize stock levels, and ensure quick access to essential parts when needed. Participants will learn best practices in inventory control, stock replenishment, and risk management to improve the overall efficiency and reliability of warehouse operations.

Objectives

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

- Understand the importance of critical spares inventory management in warehouse operations
- Apply inventory management principles to optimize stock levels and minimize shortages
- Implement effective stock control and replenishment strategies for critical spares
- Utilize inventory management software and tools to streamline operations
- Develop risk management strategies to handle uncertainties in spare parts supply chains

Why Attend

- Learn how to optimize the management of critical spares to minimize downtime
- Gain a comprehensive understanding of inventory management techniques tailored to warehouse operations
- Improve decision-making and reduce stockouts by implementing effective inventory control strategies
- Develop skills to handle high-value or mission-critical items efficiently
- Enhance your knowledge of warehouse operations, improving both service levels and cost efficiency

Target Audience

This program is designed for:

- Warehouse operatives and managers
- Supply chain professionals involved in inventory and stock management
- Logistics managers and inventory controllers
- Maintenance personnel responsible for managing critical spare parts
- Operations managers looking to improve inventory control and warehouse efficiency

Individual Benefits

Key competencies that will be developed include:

- Expertise in managing critical spares and ensuring operational continuity
- Knowledge of best practices in inventory control, stock management, and replenishment strategies
- Skills in using inventory management systems and tools for better warehouse operations
- Understanding of how to mitigate risks and plan for uncertainties in critical spares supply chains
- Ability to enhance warehouse efficiency and reduce downtime through effective spare parts management

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- The ability to optimize critical spares inventory, ensuring faster access to necessary parts and reducing downtime
- Increased efficiency in stock management, leading to cost savings and better resource utilization
- Improved forecasting and replenishment strategies for critical spare parts
- Stronger risk management in handling spare parts procurement and supply chain challenges
- Enhanced operational reliability and service levels through effective warehouse management

Instructional Methodology

- Lectures on critical spares inventory management principles and strategies
- Case studies to examine real-world examples of successful spare parts inventory management
- Group exercises to develop and implement strategies for stock control and replenishment
- Interactive discussions on challenges and solutions in warehouse operations and inventory management
- Hands-on workshops to practice using inventory management software and tools

Course Outline

Training Hours: 07:30 AM - 03:30 PM Daily Format: 3-4 Learning Modules | Coffee Breaks: 09:30 & 11:15 | Lunch Break: 01:00 - 02:00

Day 1: Introduction to Critical Spares Inventory Management

- Module 1: Overview of Critical Spares and Their Role in Warehouse Operations (07:30 - 09:30) • Defining critical spares and understanding their importance in operations • Identifying types of critical spares and their applications • The impact of effective spares management on operational continuity
- Module 2: Principles of Inventory Management (09:45 - 11:15) • Key concepts in inventory management: stock levels, lead times, and reordering • Best practices for managing stock in warehouses • The importance of stock turnover, ABC analysis, and Pareto principle in spares management
- Module 3: Workshop - Identifying Critical Spares (11:30 - 01:00) • Participants will identify and categorize critical spares for a sample operation

Day 2: Stock Control and Replenishment Strategies

- Module 4: Inventory Control Methods (07:30 - 09:30) • Just-in-Time (JIT), Economic Order Quantity (EOQ), and other inventory control methods • Managing inventory levels to avoid overstocking and stockouts • Stocktaking and cycle counting in warehouse operations
- Module 5: Replenishment Strategies for Critical Spares (09:45 - 11:15) • Developing effective stock replenishment policies • Setting reorder points and order quantities for critical spares • Balancing inventory costs with availability
- Module 6: Workshop - Developing a Replenishment Strategy (11:30 - 01:00) • Participants will develop a stock replenishment strategy for a critical spare parts inventory

Day 3: Risk Management in Spare Parts Supply Chains

- Module 7: Identifying Risks in Critical Spares Supply Chains (07:30 - 09:30) • Understanding risks in spare parts procurement and supply chains • External and internal factors affecting critical spare parts availability • Strategies for mitigating risks in the supply of critical spares
- Module 8: Forecasting Demand for Critical Spares (09:45 - 11:15) • Techniques for forecasting demand for critical spares • How to use historical data and predictive analytics in forecasting • Managing uncertainty and planning for the unexpected
- Module 9: Workshop - Risk and Demand Forecasting (11:30 - 01:00) • Hands-on activity to assess risks and forecast demand for critical spares

Day 4: Using Technology in Inventory Management

- Module 10: Leveraging Inventory Management Systems (07:30 - 09:30) • Overview of inventory management software and tools • Benefits of using automation and real-time tracking systems • Integrating RFID, barcode scanning, and IoT for smarter inventory management
- Module 11: Optimizing Warehouse Layout and Storage (09:45 - 11:15) • Designing efficient warehouse layouts for critical spare parts • Strategies for effective storage and organization of spares • Handling and stocking techniques to avoid damage and loss
- Module 12: Workshop - Implementing an Inventory Management System (11:30 - 01:00) • Participants will simulate the implementation of an inventory management system using real-time data

Day 5: Performance Monitoring and Continuous Improvement

- Module 13: Monitoring Inventory Performance (07:30 - 09:30) • Key performance indicators (KPIs) for inventory management • Monitoring inventory turnover, stockouts, and obsolescence rates • Continuous improvement in inventory management
- Module 14: Best Practices for Critical Spares Management (09:45 - 11:15) • Case studies of successful critical spares inventory management • Strategies for continuous improvement in warehouse operations • Aligning inventory management with overall business goals
- Module 15: Workshop - Developing a Critical Spares Management Plan (11:30 - 01:00) • Participants will create an action plan to optimize their critical spares management

Certification

Upon successful completion of this course, participants will receive a Certificate of Completion in Critical Spares Inventory Management for Warehouse Operatives, demonstrating their ability to effectively manage critical spares and optimize warehouse operations.

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