

INTEGRATED INVENTORY PROCESS OPTIMIZATION

“Streamlining Inventory Operations for Efficiency, Visibility, and Cost Control Across the Supply Chain”

Schedule

Date	Venue	Fees (Face-to-Face)
04 - 05 Mar 2026	Manama, Bahrain	USD 1995 per delegate

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

Introduction

Inventory represents a significant portion of working capital, yet it is often the most misunderstood and mismanaged asset in the supply chain. Organizations struggle with overstocking, stockouts, inaccurate records, and inefficient processes that impact service levels and profitability.

This 2-day course provides practical, end-to-end approaches for optimizing inventory processes—from demand planning and stock classification to replenishment and warehouse alignment. Participants will explore how integrated inventory strategies improve visibility, reduce costs, and align inventory performance with business objectives.

Objectives

- By the end of this course, participants will be able to:
- Understand the full lifecycle of inventory from planning to replenishment
 - Identify inefficiencies and bottlenecks in current inventory processes
 - Apply segmentation, forecasting, and optimization techniques
 - Align inventory policies with service levels and working capital goals
 - Design KPIs and reporting dashboards to monitor inventory performance

Why Attend

- Improve inventory accuracy, availability, and turnover
- Eliminate excess stock and reduce carrying costs
- Enhance collaboration between supply chain, procurement, and warehouse teams
- Learn techniques that support lean inventory and agile fulfillment
- Ensure data-driven decision-making across all inventory activities

Target Audience

This program is designed for:

- Inventory and stock control managers
- Warehouse and logistics supervisors
- Procurement, supply chain, and operations professionals
- ERP system users and data analysts involved in inventory
- Anyone responsible for inventory planning or optimization

Individual Benefits

Key competencies that will be developed include:

- Inventory lifecycle planning and optimization
- Forecasting, replenishment, and safety stock setting
- ABC/XYZ inventory classification techniques
- Inventory performance tracking and dashboard design
- Root cause analysis of stock issues

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Reduced stockholding and improved inventory accuracy
- Increased service levels with lower operating costs
- Better integration of inventory with demand and supply planning
- Clearer visibility and accountability across departments
- Support for digitalization and automation of inventory functions

Instructional Methodology

The course follows a blended learning approach combining theory with practice:

- Strategy Briefings – Inventory models, metrics, and integrated planning
- Case Studies – Industry examples of inventory failure and recovery
- Workshops – Safety stock setting, cycle counts, and replenishment review
- Peer Exchange – Sharing of sector-specific inventory challenges
- Tools – Templates for inventory policies, KPIs, and optimization plans

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: Inventory Fundamentals and Process Mapping

- **Module 1: Inventory Roles and Cost Drivers (07:30 - 09:30)** • Strategic role of inventory in the supply chain • Key inventory cost elements and trade-offs
- **Module 2: Inventory Classification and Segmentation (09:45 - 11:15)** • ABC, XYZ, and velocity-based classification • Aligning policies to product criticality
- **Module 3: Workshop - Segmenting Inventory Portfolio (11:30 - 01:00)** • Hands-on categorization using sample datasets

Day 2: Optimization, Replenishment & Performance

- **Module 4: Replenishment Models and Stock Policies (07:30 - 09:30)** • EOQ, ROP, Min-Max systems • Safety stock setting and lead time considerations
- **Module 5: Inventory Performance Monitoring (09:45 - 11:15)** • Fill rate, stock turns, DIO, and cycle count accuracy • Designing inventory KPIs and dashboards
- **Module 6: Workshop - Inventory Optimization Plan (11:30 - 01:00)** • Create a plan to streamline and align inventory processes

Certification

Participants will receive a Certificate of Completion in Integrated Inventory Process Optimization, validating their skills in improving inventory accuracy, reducing excess stock, and aligning inventory processes with organizational goals.

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