

MODERN TECHNOLOGY IN STORAGE & WAREHOUSE MANAGEMENT

““Leveraging Digital Tools and Smart Systems to Optimize Inventory Flow and Operational Efficiency””

Schedule

Date	Venue	Fees (Face-to-Face)
29 - 30 Apr 2026	Dubai, UAE	USD 1995 per delegate

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

Introduction

As global supply chains grow more complex, warehouses must become more intelligent, agile, and digitally connected. Traditional storage and warehouse operations are being transformed through automation, IoT, AI, real-time tracking, and smart analytics. To remain competitive, logistics professionals must understand and implement modern technologies that streamline warehouse operations, reduce errors, and boost visibility.

This 2-day practical training program explores cutting-edge technologies in warehouse and storage management, from robotics and barcode systems to warehouse management software (WMS), IoT devices, and digital twin applications. Participants will discover how to optimize warehouse space, labor, and process flows using innovative solutions.

Objectives

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

- Understand the latest technologies impacting warehouse and storage operations
- Identify key features of modern Warehouse Management Systems (WMS)
- Evaluate the role of automation, RFID, sensors, and IoT in inventory control
- Improve warehouse layout, picking accuracy, and material handling efficiency
- Develop a roadmap to modernize their own warehouse operations

Why Attend

- Discover the digital tools driving next-generation warehouse performance
- Learn practical strategies to reduce waste, delays, and manual handling
- Improve your warehouse's responsiveness to customer demand and supply chain shifts
- Gain competitive advantage through data visibility and system integration
- Prepare your team for automation, AI, and Industry 4.0 innovations

Target Audience

This program is designed for:

- Warehouse and storage managers
- Logistics and supply chain professionals
- Inventory and materials control personnel
- Operations and distribution center supervisors
- Anyone responsible for warehouse efficiency and technology adoption

Individual Benefits

Key competencies that will be developed include:

- Familiarity with smart warehousing systems and terminology
- Understanding of key performance indicators (KPIs) for warehouse efficiency
- Skills in warehouse automation and digital process mapping
- Knowledge of WMS selection and implementation steps
- Ability to assess technology ROI and integration readiness

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Reduced operational costs through automation and data-driven planning
- Higher inventory accuracy, picking rates, and space utilization
- Faster order fulfillment and improved customer service levels
- Better decision-making from real-time warehouse analytics
- Preparedness for future warehouse digitization and scalability

Instructional Methodology

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

- Strategy Briefings - Industry 4.0 in warehousing, automation trends, and WMS functionality
- Case Studies - Smart warehouse implementation and ROI analysis
- Workshops - Layout redesign, process flow analysis, and technology planning
- Peer Exchange - Sharing digitization experiences and vendor insights
- Tools - Templates for WMS evaluation, KPI dashboards, and warehouse audits

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: Smart Warehousing Principles & Technologies

- **Module 1: The Future of Warehousing - Trends & Disruptions (07:30 - 09:30)** • From manual to smart warehousing: stages of transformation • Overview of key enabling technologies
- **Module 2: Warehouse Management Systems (WMS) Overview (09:45 - 11:15)** • WMS functionality: receiving, put-away, picking, replenishment • Integration with ERP, TMS, and mobile platforms
- **Module 3: Workshop - Mapping Your Current Warehouse Processes (11:30 - 01:00)** • Identify bottlenecks and areas for digital improvement

Day 2: Automation, Performance, and Roadmap

- **Module 4: Automation Tools - RFID, Drones, and Robotics (07:30 - 09:30)** • Use cases for AGVs, AS/RS, and RFID-based inventory tracking • Pros and cons of automation at various scale levels
- **Module 5: Performance Monitoring & KPI Dashboards (09:45 - 11:15)** • Key metrics: order accuracy, dock-to-stock, inventory turns • Real-time data visualization for warehouse operations
- **Module 6: Workshop - Creating a Warehouse Tech Upgrade Plan (11:30 - 01:00)** • Build a roadmap for tech adoption based on case examples

Certification

Participants will receive a Certificate of Completion in Modern Technology in Storage & Warehouse Management, validating their ability to assess, adopt, and implement smart systems that enhance warehouse efficiency and accuracy.

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Interested in running this course for your team?

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