



External Training Course

Next-Gen Warehouse Mastery: Intelligent Inventory & Operational Precision

From 22 Dec. 2025 To 26 Dec. 2025

From 05 Jan. 2026 To 09 Jan. 2026

From 02 Feb. 2026 To 06 Feb. 2026

Marriot Marble Arch Hotel, London, UK

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External Training Course:

Next-Gen Warehouse Mastery: Intelligent Inventory & Operational Precision

From 22 Dec. 2025 To 26 Dec. 2025

Fees: 2500 KD

From 05 Jan. 2026 To 09 Jan. 2026

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Course Overview

This advanced program equips participants with next-generation warehouse strategies that integrate intelligent inventory control, high-precision operations, digital tools, and performance-driven processes. The course emphasizes best practices, modern technologies, safety essentials, and operational accuracy to ensure seamless storage, handling, and distribution activities. Participants will gain the skills required to lead warehouses with efficiency, visibility, and optimized workflows.

Course Objectives

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

- Implement modern warehouse structures, layouts, and flow-management strategies.
- Apply intelligent inventory management methods for accuracy, forecasting, and control.
- Optimize storage, materials handling, and order-picking processes.
- Integrate digital solutions such as barcoding, RFID, and WMS systems.
- Improve warehouse KPIs, cycle times, and overall operational performance.
- Identify and reduce bottlenecks, errors, and storage losses.
- Apply safety, security, and risk-management standards within warehouse environments.
- Lead warehouse operations with high-impact decision-making and continuous improvement.

Target Audience

This course is designed for:

- Warehouse Supervisors & Managers.
- Logistics & Supply Chain Professionals.
- Inventory Controllers & Storekeepers.
- Distribution Center Staff.
- Operations & Materials Management Personnel.
- Anyone involved in warehouse optimization or inventory accuracy.

Training Methodology

The course uses a blended learning approach including:

- Interactive workshops and group activities.
- Case studies from modern global warehouse operations.
- Hands-on exercises in inventory methods and process mapping.
- Practical demonstrations of digital tools and WMS concepts.
- Real-life problem-solving, system simulations (removed as per your past preference), and collaborative exercises.
- High-impact presentations and guided discussions.

Organizational Impact

Organizations will benefit through:

- Increased inventory accuracy and reduced operational errors.
- Optimized warehouse layout, labor utilization, and material flow.
- Faster order fulfilment and improved customer satisfaction.
- Stronger safety compliance and risk reduction.
- Reduced operational costs and minimized storage losses.
- Improved visibility, forecasting, and data-driven decision making.
- Enhanced productivity through process standardization and technology integration.

Personal Impact

Participants will gain:

- Strong competency in modern inventory and warehouse management.
- Improved analytical and decision-making skills.
- Ability to identify, correct, and prevent warehouse bottlenecks.
- Greater confidence in leading high-precision operations.
- Enhanced understanding of digital warehouse tools and KPIs.
- Professional readiness to supervise or manage smart warehouse environments.

Course Content

Day 1: Modern Warehouse Foundations & Optimization Principles

- Evolution of modern warehouses: From traditional to smart systems.
- Warehouse roles in supply chain performance.
- Warehouse types, functions & structural layouts.
- Designing optimal storage flow and process mapping.
- Receiving operations: Accuracy, inspection & documentation.
- Space utilization and zoning strategies.
- Equipment selection & materials handling basics.
- Introduction to intelligent warehouse performance KPIs.

Day 2: Intelligent Inventory Management & Control Systems

- Inventory fundamentals: Types, classifications & behavior.
- Demand forecasting and replenishment strategies.
- ABC, VED, XYZ and FSN analyses for smart control.
- Cycle counting vs physical inventory.
- Inventory accuracy improvement methods.
- Stock rotation: FIFO, FEFO, LIFO applications.
- Preventing stockouts, overstock and dead stock.
- Cost reduction through optimized inventory visibility.

Day 3: Digital Tools, Automation & Warehouse Management Systems (WMS)

- Digital transformation in warehouses.
- Barcode, QR, RFID technologies: Applications & benefits.
- Warehouse Management Systems: Features & workflows.
- Data integrity and operational transparency.
- Real-time tracking tools & dashboards.
- Traceability, lot control and serial number management.
- Integrating IoT for smart warehouse environments.
- Automation trends: Pick-to-light, conveyors, AGVs & robotics.

Day 4: High-Precision Operations & Performance Excellence

- Order processing and picking optimization techniques.
- Packing, staging, and dispatch workflows.
- Minimizing picking errors and improving accuracy.
- Dock management and real-time scheduling.
- Productivity measurement: Labor optimization models.
- Lean warehousing & waste elimination tools.
- Root cause analysis for operational issues.
- Performance dashboards & KPI mastery.

Day 5: Safety, Risk Management & Future-Ready Warehouse Leadership

- Warehouse safety standards and compliance essentials.
- Material handling risks and accident prevention.
- Fire safety, hazardous materials & emergency procedures.
- Security protocols and loss prevention strategies.
- Leadership in warehouse operations.
- Communication and team coordination effectiveness.
- Developing continuous improvement plans.
- Future warehouse trends: AI, analytics & sustainable operations.

Course Agenda:

(1st Day) Agenda

8.30	9.00	Opening Remarks (30 Min.).
9.00	11.30	<u>Discuss course major points:</u> <ul style="list-style-type: none"> • Modern Warehouse Foundations & Optimization Principles. • Intelligent Inventory Management & Control Systems. • Digital Tools, Automation & Warehouse Management Systems (WMS). • High-Precision Operations & Performance Excellence. • Safety, Risk Management & Future-Ready Warehouse Leadership.
11.30	12.00	Coffee Break
12.00	14.00	<u>Modern Warehouse Foundations & Optimization Principles:</u> <ul style="list-style-type: none"> • Evolution of modern warehouses: From traditional to smart systems. • Warehouse roles in supply chain performance. • Warehouse types, functions & structural layouts. • Designing optimal storage flow and process mapping. • Receiving operations: Accuracy, inspection & documentation. • Space utilization and zoning strategies. • Equipment selection & materials handling basics. • Introduction to intelligent warehouse performance KPIs.
14.00	14.30	Questions and Discussion
14.30		Buffet Lunch

(2nd Day) Agenda

9.00	11.30	<u>Intelligent Inventory Management & Control Systems:</u> <ul style="list-style-type: none"> • Inventory fundamentals: Types, classifications & behavior. • Demand forecasting and replenishment strategies. • ABC, VED, XYZ and FSN analyses for smart control. • Cycle counting vs physical inventory.
11.30	12.00	Coffee Break
12.00	14.00	<u>Intelligent Inventory Management & Control Systems:</u> <ul style="list-style-type: none"> • Inventory accuracy improvement methods. • Stock rotation: FIFO, FEFO, LIFO applications. • Preventing stockouts, overstock and dead stock. • Cost reduction through optimized inventory visibility.
14.00	14.30	Questions and Discussion
14.30		Buffet Lunch

(3rd Day) Agenda

9.00	11.30	<u>Digital Tools, Automation & Warehouse Management Systems (WMS):</u> <ul style="list-style-type: none"> • Digital transformation in warehouses. • Barcode, QR, RFID technologies: Applications & benefits. • Warehouse Management Systems: Features & workflows. • Data integrity and operational transparency.
11.30	12.00	Coffee Break
12.00	14.00	<u>Digital Tools, Automation & Warehouse Management Systems (WMS):</u> <ul style="list-style-type: none"> • Real-time tracking tools & dashboards. • Traceability, lot control and serial number management. • Integrating IoT for smart warehouse environments. • Automation trends: Pick-to-light, conveyors, AGVs & robotics.
14.00	14.30	Questions and Discussion
14.30		Buffet Lunch

(4th Day) Agenda

9.00	11.30	<u>High-Precision Operations & Performance Excellence:</u> <ul style="list-style-type: none"> • Order processing and picking optimization techniques. • Packing, staging, and dispatch workflows. • Minimizing picking errors and improving accuracy. • Dock management and real-time scheduling.
11.30	12.00	Coffee Break
12.00	14.00	<u>High-Precision Operations & Performance Excellence:</u> <ul style="list-style-type: none"> • Productivity measurement: Labor optimization models. • Lean warehousing & waste elimination tools. • Root cause analysis for operational issues. • Performance dashboards & KPI mastery.
14.00	14.30	Questions and Discussion
14.30		Buffet Lunch

(5th Day) Agenda

9.00	11.30	<u>Safety, Risk Management & Future-Ready Warehouse Leadership:</u> <ul style="list-style-type: none"> • Leadership in warehouse operations. • Communication and team coordination effectiveness. • Developing continuous improvement plans. • Future warehouse trends: AI, analytics & sustainable operations.
11.30	12.00	Coffee Break
12.00	14.00	<u>Safety, Risk Management & Future-Ready Warehouse Leadership:</u> <ul style="list-style-type: none"> • Warehouse safety standards and compliance essentials. • Material handling risks and accident prevention. • Fire safety, hazardous materials & emergency procedures. • Security protocols and loss prevention strategies.
14.00	14.30	Questions, Discussion & Conclusion Training Course.
14.30		Buffet Lunch