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COURSE BROCHURE

Advanced Warehouse Safety and Performance Measures Training Course

14 – 25 February 2027
Muscat

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Registered in the United Kingdom and Saudi Arabia

Advanced Warehouse Safety and Performance Measures Training Course

Ref: 794_30154 **Date:** 14 – 25 February 2027 **Location:** Muscat **Fees:** 9900 GBP

Warehouse safety and performance measures is a 2-week advanced training course for warehouse managers, logistics supervisors and storage safety leads, and each participant builds a warehouse safety and KPI scorecard for their own site. Warehouses now move more orders with mixed fleets and short-tenure staff, so safety and throughput must be measured together. Jupiter Prime Training presents warehouse safety and performance measures as one discipline of storage control.

Why Warehouse Safety and Performance Measures Matter Now

Three forces shape storage floors today. E-commerce order profiles bring smaller picks and tighter cut-offs, which raise forklift movements and rack strikes. Agency labour and seasonal peaks shorten induction time. Automated conveyors and guided vehicles now share aisles with people and trucks. A warehouse that measures well spots damaged racking, near misses and mis-slots early; one that measures badly finds them through injuries, lost stock and failed deliveries. The course rests on ISO 45001 for occupational health and safety management and on recognised practice for racking inspection and dangerous goods segregation.

Who Gains Most from Warehouse Safety and Performance Measures

- Leaders responsible for storage layout, racking condition and space use
- Leaders who run forklift fleets, operator authorisation and traffic plans
- Leaders who control receipt and storage of dangerous goods
- Leaders accountable for inventory accuracy and cycle counting
- Leaders who report warehouse KPIs to operations and client teams

Distribution centres and third-party logistics sites gain most when the operations manager, inventory controller and safety lead attend together and agree one set of floor measures.

Warehouse Safety and Performance Measures Capabilities

Participants learn to read a storage floor through rack condition, truck movement and stock accuracy, then turn what they see into measures that drive action.

- Assess racking damage and set offload or repair decisions — for inspection teams and site managers
- Design a traffic management plan that segregates pedestrians from forklifts — for shift supervisors
- Specify segregation and containment for dangerous goods — for storage safety leads and insurers
- Build slotting rules that cut travel and manual handling strain — for inventory controllers
- Calculate paired safety and productivity KPIs with clear definitions — for operations directors and clients

- Apply a warehouse audit and corrective action tracker — for site leadership reviews

Key Warehouse Safety and Performance Measures Terms

- Rack damage classification — A banding of racking damage into levels that decide whether a bay stays loaded, is offloaded or is repaired immediately.
- Pedestrian segregation — Physical and marked separation of people on foot from moving forklifts, using barriers, crossings and exclusion zones.
- Slotting — The assignment of each item to a storage location based on its movement rate, size, weight and handling needs.
- Inventory record accuracy — The share of storage locations where the system quantity matches the physical count, checked through cycle counting.
- Dock-to-stock time — The elapsed time from a delivery arriving at the dock until the goods are put away and available to pick.
- Segregation table — A reference matrix showing which classes of dangerous goods must be stored apart and at what separation.

Warehouse Safety and Performance Measures Day by Day

Day 1: Forces Reshaping Warehouse Operations

- Order Profile Shifts — Smaller Picks, Faster Cut-Offs and Peak Volatility
- Warehouse Hazard Landscape — Ranking Struck-By, Crush and Fall Risks
- ISO 45001 Hazard Identification — Applying It to Storage Floors
- Labour Mix and Agency Staff — Induction Depth for Short Tenures
- Automation and Mixed Fleets — Pedestrian Exposure Near Conveyors and AGVs

Day 2: Warehouse Layout and Flow Design

- Dock-to-Stock Flow Mapping — Removing Crossing Points and Backtracking
- Aisle Width and Clearance Rules — Matching Truck Types to Layout
- Staging Lane Design — Preventing Congestion at Inbound and Outbound Docks
- Fire Compartment and Sprinkler Clearance — Protecting Stored Goods
- Emergency Egress Routes — Keeping Exits Clear During Peak Storage

Day 3: Racking Integrity and Inspection

- Rack Load Notices — Verifying Beam and Bay Capacities
- Damage Classification Bands — Green, Amber and Red Repair Decisions
- Weekly Visual and Expert Annual Rack Inspections — Scheduling and Recording
- Column Guards and End-of-Aisle Barriers — Choosing Impact Protection
- Overhead Load Security — Shrink Wrap, Netting and Pallet Condition Checks

Day 4: Forklift Traffic and Pedestrian Segregation

- Traffic Management Plan — One-Way Systems, Crossings and Speed Zones
- Pedestrian Exclusion Zones — Barriers, Floor Marking and Blue Spot Lights
- Operator Authorisation Matrix — Truck Class, Refresher and Assessment Decisions
- Pre-Use Truck Checks — Defect Reporting and Lock-Out of Unsafe Trucks
- Battery Charging and LPG Change Areas — Ventilation and Spill Control

Day 5: Dangerous Goods Storage

- Safety Data Sheet Review — Extracting Storage and Segregation Requirements
- Segregation Tables — Separating Oxidisers, Flammables and Corrosives
- Bunded Storage and Spill Kits — Sizing Containment for Leaks
- Aerosol and Lithium Battery Cages — Controlling Fire Spread Risks
- Dangerous Goods Receipt Checks — Labels, Packaging and Quarantine Decisions

Day 6: Slotting and Inventory Accuracy

- ABC Velocity Slotting — Placing Fast Movers in Golden Zones
- Manual Handling Load Placement — Heavy Items Between Knee and Shoulder
- Cycle Counting Schedules — Count Frequency by Value and Velocity
- Location Accuracy Audits — Tracing Mis-Slots to Root Causes
- Warehouse Management System Exceptions — Reconciling Phantom and Lost Stock

Day 7: Warehouse KPIs and Measurement Design

- Leading and Lagging Indicator Pairs — Balancing Safety and Throughput
- Order Accuracy, Dock-to-Stock Time and Lines per Hour — Productivity Measures
- Inventory Record Accuracy and Space Utilisation — Storage Measures
- Near Miss and Rack Damage Rates — Safety Measures for the Floor
- KPI Definition Cards — Formula, Data Source, Owner and Target

Day 8: Warehouse Safety Audits

- Audit Checklist Construction — Racking, Traffic, Housekeeping and Chemicals
- Floor Walk Sampling — Selecting Aisles, Shifts and Docks
- Photographic Evidence Logs — Recording Conditions for Follow-Up
- Finding Severity Grading — Prioritising Corrective Actions by Consequence
- Corrective Action Tracker — Owners, Due Dates and Verification

Day 9: Performance Reviews and Continuous Improvement

- Daily Tier Meetings — Reviewing Safety and Service at Shift Start
- Visual Management Boards — Displaying KPIs Where Crews Work
- Peak Season Readiness Review — Staffing, Space and Equipment Limits
- Contractor and Third-Party Logistics Oversight — Shared Performance Measures
- Benchmarking Across Sites — Comparing Warehouses With Consistent Definitions

Day 10: Practising the Warehouse Safety and KPI Scorecard

- Applying Rack Inspection Findings — Scoring Storage Condition by Zone
- Applying Traffic Plan Measures — Scoring Segregation and Truck Incidents
- Applying Inventory Accuracy Results — Linking Mis-Slots to Handling Risk
- Applying Audit Grades — Setting Corrective Priorities for the Quarter
- Warehouse Safety and KPI Scorecard — Final Measures, Owners and Review Cycle

Applying Warehouse Safety and Performance Measures After the Course

- Run a zone-by-zone rack inspection with damage bands and post the offload decisions on the floor
- Launch a weekly tier meeting that reviews near miss, rack damage and order accuracy measures together

Warehouse Safety and Performance Measures Questions FAQ

What are warehouse safety and performance measures and why do they matter now?

They are the controls and indicators that keep storage floors safe while orders flow on time. They matter now because faster order profiles, agency labour and automation increase rack strikes, forklift contact and stock errors.

Which roles gain most from warehouse safety and performance measures training?

Warehouse managers, logistics supervisors and storage safety leads gain most. Anyone who signs off racking, runs forklift fleets or reports warehouse KPIs will apply the methods immediately.

How does warehouse safety and performance measures training differ from a general supply chain course?

It stays on the warehouse floor rather than sourcing or transport planning. You work on racking, traffic segregation, dangerous goods storage, slotting and the KPIs that join safety with throughput.

What do you bring back from warehouse safety and performance measures training?

You bring back a warehouse safety and KPI scorecard with defined measures, owners and targets, plus a rack inspection routine and an audit tracker for your site.

Warehouse Safety and Performance Measures: The Way Forward

The warehouse safety and KPI scorecard first informs which zones need rack repairs, traffic changes or slotting moves in the coming month. Site managers and shift supervisors use it in tier meetings, while client and operations teams read its service measures. After one peak period, revisit the targets and the balance between safety and throughput indicators.