MAWA EVENTS

Address: No. 857, Block A2. Leisure Commerce Square - No 9., 46150 Petaling Jaya, Selangor, Malaysia

Phone: +601116373203 | **Email:** info@mawaevents.net

WAREHOUSE CONTROL AND LAYOUT OPTIMIZATION FOR MAXIMUM EFFICIENCY

"Designing Efficient Warehousing Systems for Superior Operational Performance"

Schedule

Date	Venue	Fees (Face-to-Face)
20 – 24 Jul 2026	London, UK	USD 3495 per delegate

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

Introduction

This program provides warehouse managers, supply chain professionals, and operations leaders with the skills to optimize warehouse design, streamline control processes, and maximize space and efficiency. Participants will learn proven methods to improve warehouse layout, reduce costs, and increase throughput using best practices and modern tools.

Objectives

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

- Understand principles of warehouse control and layout design
- Analyze current warehouse operations and identify inefficiencies
- Apply layout optimization techniques for better space utilization
- Implement effective inventory management and flow strategies
- Improve safety, productivity, and overall warehouse performance

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Why Attend

- Enhance warehouse operations through optimized layout and control
- Minimize storage and handling costs
- Improve inventory accuracy and reduce waste
- Boost service levels and customer satisfaction
- Learn practical tools and techniques used by top-performing warehouses

Target Audience

This program is designed for:

- Warehouse and distribution center managers
- Supply chain and logistics professionals
- Operations and production managers
- Industrial engineers and process improvement teams
- Anyone responsible for warehouse performance

Individual Benefits

Key competencies that will be developed include:

- Mastery of warehouse layout design
- Strong process analysis and improvement skills
- Practical understanding of warehouse control systems
- Improved ability to lead warehouse optimization projects
- Familiarity with automation and technology solutions

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Increased operational efficiency and throughput
- Reduced operating costs and improved margins
- Enhanced safety and regulatory compliance
- Greater flexibility to meet changing business demands
- Improved inventory management and order fulfillment

Instructional Methodology

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

- Interactive lectures and discussions
- Group activities and case studies
- Simulation exercises and workshops
- Real-world examples and best practices
- Action planning for practical application

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Course Outline

Detailed 5-Day Course Outline

Training Hours: 7:30 AM – 3:30 PM **Daily Format:** 3–4 Learning Modules | Coffee breaks: 09:30 & 11:15 | Lunch Buffet: 01:00 – 02:00

Day 1: Fundamentals of Warehouse Operations

- Module 1: Introduction to Warehouse Control and Layout
- Overview of warehouse functions
- Key challenges and opportunities
- Principles of efficient warehouse design
- Module 2: Assessing Current Warehouse Performance
- Identifying performance metrics and KPIs
- Conducting warehouse audits
- Understanding flow, bottlenecks, and capacity
- Module 3: Workshop – Warehouse Performance Review
- Hands-on assessment of sample warehouse data
- Identifying improvement areas
- Group discussions and insights

Day 2: Layout Design and Space Optimization

- Module 4: Warehouse Layout Principles
- Zoning and space allocation
- Flow optimization and material handling systems
- Safety and compliance considerations
- Module 5: Optimizing Storage Systems
- Racking systems and shelving options
- Automation and technology integration
- Space-saving techniques and best practices
- Module 6: Workshop – Layout Redesign Exercise
- Applying layout optimization to case studies
- Creating alternative designs
- Peer feedback and discussion

Day 3: Inventory and Process Control

- Module 7: Inventory Management Strategies
- Demand forecasting and replenishment
- Cycle counting and stock accuracy
- Minimizing shrinkage and obsolescence
- Module 8: Process Improvement Techniques
- Lean warehousing and 5S
- Reducing waste and improving flow
- Setting up performance dashboards
- Module 9: Workshop – Process Mapping and Improvement
- Mapping key warehouse processes
- Identifying improvement opportunities
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Group brainstorming and solutions

Day 4: Technology and Automation

- Module 10: Warehouse Management Systems (WMS)
- Key features and functionalities
- Integration with ERP and supply chain systems
- Leveraging data for decision-making
- Module 11: Automation Technologies
- Conveyor systems, AGVs, and robotics
- Benefits and implementation considerations
- Cost-benefit analysis of automation
- Module 12: Workshop – Technology Feasibility Study
- Evaluating technology solutions for sample cases
- Building an investment justification
- Group presentations and critique

Day 5: Implementation and Continuous Improvement

- Module 13: Implementing Warehouse Changes
- Change management and stakeholder engagement
- Training and onboarding staff
- Monitoring progress and adjustments
- Module 14: Best Practices and Future Trends
- Benchmarking against industry leaders
- Trends in digital warehousing and sustainability
- Preparing for future challenges
- Module 15: Final Workshop – Action Plan Development
- Developing a customized action plan
- Sharing takeaways and next steps
- Wrap-up and certification

Certification

Participants will receive a Certificate of Completion in Warehouse Control and Layout Optimization, demonstrating their expertise in designing and managing efficient warehouse operations.

Why Choose MAWA Events

- **Global Expertise:** More than 17 years of experience in professional training and consulting.
- **Industry-Leading Faculty:** Courses delivered by seasoned professionals with hands-on experience.
- **Practical Insights:** Learn to turn theory into actionable strategies for real-world business impact.
- **Client-Focused Solutions:** Customized programs designed to achieve your organisation’s unique goals.

In-House / Customized Training Interested in running this course for your team? Please contact us:	TEL: **+601116373203**	EMAIL: **info@mawaevents.net**

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