MAWA EVENTS

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

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

ENGINEERING THE WAREHOUSE

"Design, Optimize, and Manage Warehouses for Maximum Efficiency and Productivity"

Schedule

Venue (In-house)	Fees
At Your Organization Premises	Ask For The Quotation

Introduction

Warehouses are the backbone of effective supply chains. Proper design, layout, and operational management can significantly impact productivity, cost efficiency, and customer satisfaction. Engineering the Warehouse focuses on combining principles of industrial engineering, logistics, and operations management to create high-performing warehouse systems.

This course provides participants with practical strategies to design warehouse layouts, optimize material handling, implement storage solutions, and improve operational workflows. Through hands-on exercises and case studies, participants will learn how to increase throughput, reduce errors, and implement best practices in modern warehouse management.

Objectives

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

- Understand warehouse engineering concepts and principles.
- Design efficient warehouse layouts and storage systems.
- Optimize material handling processes and equipment utilization.
- Implement inventory control strategies and order picking methods.
- Enhance warehouse safety, ergonomics, and sustainability.
- Apply performance metrics and continuous improvement techniques.
- Integrate warehouse management systems (WMS) and technology solutions.
- Develop strategies to reduce costs and improve operational efficiency.

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Why Attend

A well-engineered warehouse can dramatically improve operational efficiency and reduce costs. This course equips professionals with the skills to design and manage warehouses that meet business objectives while supporting supply chain effectiveness. Participants will gain actionable knowledge applicable to real-world warehouse challenges, whether in manufacturing, retail, or logistics.

Target Audience

This course is suitable for:

- Warehouse Managers and Supervisors
- Supply Chain and Logistics Professionals
- Operations and Production Managers
- Industrial Engineers and Process Improvement Specialists
- Inventory and Material Handling Coordinators
- Professionals responsible for warehousing, storage, and distribution operations

Individual Benefits

- Gain practical knowledge of warehouse design and operations.
- Learn to optimize storage, picking, and material handling processes.
- Improve problem-solving and operational decision-making skills.
- Enhance productivity, efficiency, and safety in warehouse operations.
- Increase professional competence and career growth opportunities.

Organizational Benefits

- Streamline warehouse operations and improve throughput.
- Reduce operational costs and minimize errors.
- Improve inventory accuracy and order fulfillment.
- Enhance employee safety, workflow efficiency, and equipment utilization.
- Implement technology-driven warehouse management solutions.

Instructional Methodology

The training employs a practical, project-based approach through:

- Interactive lectures and warehouse design demonstrations
- Real-world case studies and operational scenarios
- Hands-on exercises in layout planning, storage optimization, and material handling
- Group problem-solving and collaborative improvement workshops
- Assignments simulating warehouse engineering challenges
- Continuous feedback and Q&A sessions for participant support

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Course Outline

Module 1: Introduction to Warehouse Engineering and Operations

Module 2: Warehouse Layout Design and Space Utilization

Module 3: Storage Systems, Racking, and Shelving Solutions

Module 4: Material Handling Equipment and Process Optimization

Module 5: Inventory Management, Order Picking, and Packing Strategies

Module 6: Warehouse Safety, Ergonomics, and Sustainability

Module 7: Warehouse Management Systems (WMS) and Technology Integration

Module 8: Performance Metrics, KPIs, and Continuous Improvement

Module 9: Cost Optimization and Operational Efficiency Techniques

Module 10: Capstone Project – Engineering an Efficient and Effective Warehouse

Certification

Upon successful completion, participants will receive a Certificate in Warehouse Engineering, validating their expertise in warehouse design, operations, optimization, and technology integration.

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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