MAWA EVENTS

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

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

IOT IN LOGISTICS

"Transform your logistics operations through connected intelligence, real-time tracking, and smart automation."

Schedule

Venue	Fees
In-House	ASK FOR THE QUOTATION

► **Available delivery methods:** In-House Training

Introduction

This course provides a strategic and operational overview of how IoT is revolutionizing logistics and supply chain management. Participants will explore the role of sensors, real-time data, automation, and edge-cloud platforms to improve fleet management, inventory visibility, asset tracking, predictive maintenance, and customer satisfaction. Designed for managers and decision-makers, this course equips professionals to lead IoT implementations that bring agility and intelligence to logistics workflows.

Objectives

Participants will:

- Understand IoT architectures, devices, and communication protocols in logistics
- Learn how IoT enables real-time shipment tracking, route optimization, and inventory management
- Evaluate cybersecurity, scalability, and data integration strategies
- Explore use cases for cold chain monitoring, last-mile delivery, and warehouse automation
- Develop an actionable roadmap for IoT adoption in logistics

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Why Attend

Logistics companies are under pressure to deliver faster, reduce costs, and ensure compliance. IoT provides a data-rich foundation for smarter logistics decisions. This course helps managers grasp both the technology and its strategic implications across the logistics lifecycle.

Target Audience

- Logistics & Supply Chain Managers
- Warehouse & Fleet Supervisors
- IT/OT Managers in Logistics & Transportation
- Procurement, Asset & Inventory Managers
- Business Transformation and Innovation Leaders

Individual Benefits

- Gain practical knowledge to manage smart logistics systems
- Lead IoT-based optimization in warehousing and fleet operations
- Translate data insights into better customer service and efficiency

Organizational Benefits

- Improved shipment visibility and delivery performance
- Enhanced inventory accuracy and warehouse automation
- Reduced losses through predictive maintenance and tracking
- Competitive advantage via digital supply chain transformation

Instructional Methodology

- Real-life case studies and supply chain simulations
- Expert-led modules with IoT technology deep-dives
- Group exercises and logistics process mapping
- Strategic planning workshops and ROI modeling

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Course Outline

DETAILED 5-DAY COURSE OUTLINE (CUSTOMIZABLE)

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: IoT Foundations for Smart Logistics

Module 1: Overview of IoT – Concepts, Evolution, and Logistics Impact (07:30 – 09:30)

Module 2: IoT Device Ecosystem – Sensors, RFID, Gateways, GPS, BLE (09:45 – 11:15)

Module 3: Use Cases: IoT in Warehousing, Fleet Management, and Last-Mile Delivery (11:30 – 01:00)

Module 4: Exercise – Mapping IoT Opportunities in a Sample Logistics Operation (02:00 – 03:30)

Day 2: Architecture, Connectivity & Data Flow

Module 1: IoT Architecture – Edge, Cloud, and Hybrid Models (07:30 – 09:30)

Module 2: Communication Technologies (LoRaWAN, 5G, NB-IoT, Zigbee) (09:45 – 11:15)

Module 3: Data Acquisition, Storage, and Visualization in Logistics (11:30 – 01:00)

Module 4: Simulation – Designing a Fleet Tracking System (02:00 – 03:30)

Day 3: Smart Warehousing and Fleet Optimization

Module 1: Warehouse Automation with IoT (Pick-to-Light, Smart Shelving) (07:30 – 09:30)

Module 2: Inventory Accuracy & Real-Time Visibility (09:45 – 11:15)

Module 3: Route Optimization and Driver Behavior Analytics (11:30 – 01:00)

Module 4: Workshop – Building a Smart Warehouse Use Case (02:00 – 03:30)

Day 4: Risk, Security, and Regulatory Compliance

Module 1: IoT Security Risks – Threats to Logistics Networks (07:30 – 09:30)

Module 2: Compliance with Data Protection & Chain of Custody (09:45 – 11:15)

Module 3: Business Continuity, System Redundancy & Downtime Planning (11:30 – 01:00)

Module 4: Crisis Simulation – Cyberattack in an IoT-Enabled Delivery Network (02:00 – 03:30)

Day 5: Strategic Planning & Implementation

Module 1: Developing an IoT Roadmap for Logistics (07:30 – 09:30)

Module 2: Vendor Evaluation and Tech Stack Selection (09:45 – 11:15)

Module 3: Cost-Benefit Analysis and ROI Models (11:30 – 01:00)

Module 4: Final Project – Drafting an IoT Logistics Transformation Plan (02:00 – 03:30)

Certification

Participants will receive a **Certificate of Completion – IoT in Logistics for Managers**, demonstrating their readiness to lead digital innovation and connected logistics transformations.

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.

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