

OPTIMISING LOGISTICS WITH SMART TECHNOLOGIES

“Transforming supply chains through digital intelligence, automation, and real-time visibility.”

Schedule

| Date | Venue | Fees (Face-to-Face) |
|------------------|--------|------------------------|
| 05 - 09 Jul 2026 | Kuwait | USD 3,495 per delegate |

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

Introduction

The future of logistics lies in the integration of SMART technologies—tools that leverage Sensor-based systems, Machine Learning, Automation, Real-time data, and Tracking to create highly responsive and cost-efficient supply chains. In an increasingly dynamic global market, traditional logistics methods are no longer sufficient to meet customer expectations or operational goals.

This 5-day intensive course equips logistics and supply chain professionals with the knowledge and tools to harness SMART technologies to enhance visibility, agility, and performance. Participants will explore practical case studies, tools, and strategies that demonstrate the value of digital transformation across warehousing, transportation, and distribution.

Objectives

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

- Understand key SMART technologies transforming logistics operations
- Integrate IoT, AI, and automation into logistics workflows
- Optimize warehouse and transport systems using real-time data
- Improve forecasting, route planning, and order fulfillment with digital tools
- Build a roadmap for SMART logistics implementation

Why Attend

- Gain up-to-date insights on digital logistics trends and best practices
- Improve efficiency, speed, and accuracy of logistics operations
- Learn to leverage data-driven decisions for cost and time savings
- Reduce waste, delays, and risks in the logistics chain
- Future-proof your career and operations against digital disruption

Target Audience

This program is designed for:

- Logistics and supply chain managers
- Warehouse, transport, and distribution professionals
- Operations and process improvement teams
- Procurement and inventory planners
- IT and digital transformation officers in logistics functions
- Consultants and engineers working in smart logistics environments

Individual Benefits

Key competencies that will be developed include:

- SMART logistics planning and implementation
- Familiarity with IoT, WMS, TMS, AI, and blockchain tools
- Real-time monitoring and performance analysis
- Digital supply chain visibility and traceability
- Data-driven decision making in transport and inventory

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Increased operational efficiency and delivery performance
- Enhanced tracking and real-time responsiveness
- Reduced operational costs and resource waste
- Seamless collaboration between logistics functions
- Scalable digital logistics models tailored to business needs

Instructional Methodology

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

- Strategy Briefings - Industry frameworks and SMART logistics models
- Case Studies - Real examples of successful digital logistics transformation
- Workshops - Route optimization, warehouse design, and technology integration simulations
- Peer Exchange - Group analysis and solution design for logistics pain points
- Tools - Digital dashboards, KPI scorecards, and implementation templates

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: Logistics in the Digital Era

- Module 1: Introduction to SMART Logistics (07:30 – 09:30)
- Evolution from traditional to intelligent logistics
- Industry 4.0 and its impact on supply chains
- Module 2: Digital Transformation Roadmap
- Phases, tools, and change management essentials
- Module 3: Identifying Key SMART Technologies
- IoT, AI/ML, robotics, blockchain, and cloud platforms

Day 2: Data-Driven Logistics Operations

- Module 1: Real-Time Data and Visibility
- GPS tracking, RFID, telematics, and smart sensors
- Module 2: Demand Forecasting with AI
- AI/ML tools for accurate logistics and inventory planning
- Module 3: Transport Optimization Tools
- TMS platforms, route planning, and fleet management systems

Day 3: Warehouse and Fulfillment Optimization

- Module 1: Smart Warehousing Concepts
- WMS systems, AGVs, drones, and automated sorting
- Module 2: Inventory Control with IoT
- Monitoring stock levels, shrinkage, and predictive restocking
- Module 3: Fulfillment Models and Trends
- Cross-docking, omnichannel logistics, micro-fulfillment

Day 4: Risk, Security & Sustainability

- Module 1: Blockchain and Data Integrity in Logistics
- Transparent and tamper-proof transaction tracking
- Module 2: Cybersecurity in Smart Logistics
- Threats, vulnerabilities, and mitigation strategies
- Module 3: Green Logistics and Carbon Tracking
- Optimizing routes, packaging, and emissions with technology

Day 5: Implementation and KPI Management

- Module 1: Developing Your SMART Logistics Strategy
- Tools for evaluating current maturity and building a roadmap
- Module 2: Measuring Performance and ROI
- KPIs for visibility, accuracy, delivery, and cost metrics
- Module 3: Final Simulation and Action Plan
- Group exercise: design a SMART logistics transformation project
- Personal plan for post-course implementation

Certification

Participants will receive a Certificate of Completion in Optimising Logistics with SMART Technologies, certifying their ability to lead logistics innovation and implement intelligent, tech-driven supply chain solutions.

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