

LOGISTICS MANAGEMENT & TRANSPORTATION TECHNOLOGY INNOVATIONS

“Optimizing Logistics Performance Through Digital Disruption and Smart Transport Solutions”

Schedule

Date	Venue	Fees (Face-to-Face)
05 - 09 Apr 2026	Cairo, Egypt	USD 3495 per delegate

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

Introduction

In today’s fast-paced supply chain landscape, logistics and transportation are evolving rapidly with the integration of advanced technologies. From real-time tracking and route optimization to automation and predictive analytics, logistics professionals must stay ahead by adopting innovative tools that reduce costs, enhance visibility, and improve delivery performance.

This cutting-edge course explores the future of logistics through the lens of digital transformation. It equips participants with essential knowledge in logistics planning, smart transport systems, warehousing integration, and next-gen technologies such as IoT, AI, blockchain, and telematics. Practical workshops and case-based simulations ensure skills are immediately transferable to real-world operations.

Objectives

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

- Plan and manage efficient logistics operations aligned with business goals
- Leverage digital technologies to optimize transportation networks
- Analyze logistics data to improve delivery performance and reduce lead time
- Evaluate and select modern transport technologies for operational improvement
- Develop an innovation roadmap for logistics and supply chain transformation

Why Attend

- Gain insight into disruptive technologies shaping the future of logistics
- Explore smart transport systems, automation, and real-time visibility tools
- Identify cost reduction opportunities through data-driven logistics
- Strengthen coordination between transport, warehousing, and inventory teams
- Build readiness for digital logistics transformation initiatives

Target Audience

This program is designed for:

- Logistics and supply chain managers
- Transport planners and fleet supervisors
- Warehouse, distribution, and fulfillment managers
- IT professionals supporting logistics automation
- Procurement, operations, and strategic planning personnel

Individual Benefits

Key competencies that will be developed include:

- Strategic logistics network design
- Understanding and application of transport technologies (GPS, RFID, telematics)
- Use of IoT and AI for predictive transportation and fleet optimization
- Collaboration across warehousing, transport, and customer service functions
- Capability to lead logistics digitalization projects

Organizational Benefits

Upon completing the training course, participants will demonstrate:

- Improved logistics performance and reduced transportation costs
- Enhanced supply chain visibility and responsiveness
- Stronger integration between IT, logistics, and procurement teams
- Better decision-making based on transportation analytics
- Increased competitiveness through innovation adoption

Instructional Methodology

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

- Strategy Briefings - Logistics frameworks, transport innovation trends, and KPIs
- Case Studies - Successful logistics tech transformations from industry leaders
- Workshops - Transport route analysis, tech selection, and logistics dashboards
- Peer Exchange - Collaborative discussion of innovation challenges and use cases
- Tools - Templates for route mapping, fleet analysis, tech evaluation, and ROI assessment

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 Fundamentals and Strategy Alignment

- Module 1: Core Principles of Logistics Management (07:30 - 09:30) • Functions, flows, and logistics cost drivers
- Module 2: Aligning Logistics with Supply Chain Strategy (09:45 - 11:15) • Customer service, lead time, and fulfillment models
- Module 3: Logistics Performance Metrics and KPIs (11:30 - 01:00) • On-time delivery, order accuracy, cost-to-serve
- Module 4: Workshop - Logistics Cost Structure Analysis (02:00 - 03:30) • Break down and evaluate your logistics spend

Day 2: Transportation Planning and Route Optimization

- Module 1: Modes of Transport and Selection Criteria (07:30 - 09:30) • Road, rail, air, sea - trade-offs in cost, time, flexibility
- Module 2: Route Planning and Load Optimization (09:45 - 11:15) • Route design, shipment consolidation, dynamic routing
- Module 3: Telematics and GPS-Based Fleet Tracking (11:30 - 01:00) • Real-time tracking, geofencing, maintenance monitoring
- Module 4: Workshop - Simulate a Multi-Route Transport Plan (02:00 - 03:30) • Use a template to model efficient dispatching

Day 3: Technology Innovations in Logistics

- Module 1: Internet of Things (IoT) in Logistics (07:30 - 09:30) • Smart sensors, temperature tracking, cargo visibility
- Module 2: Artificial Intelligence and Predictive Logistics (09:45 - 11:15) • Demand forecasting, route prediction, anomaly detection
- Module 3: Blockchain for Supply Chain Transparency (11:30 - 01:00) • Smart contracts, tamper-proof records, trust building
- Module 4: Workshop - Evaluate Emerging Technologies (02:00 - 03:30) • Rate tools based on ROI, feasibility, and integration

Day 4: Warehousing Integration and Logistics Coordination

- Module 1: Linking Transportation and Warehouse Systems (07:30 - 09:30) • WMS-TMS integration, real-time order flow
- Module 2: Last Mile Delivery and Urban Logistics (09:45 - 11:15) • Crowdsourcing, micro-fulfillment, and e-commerce delivery
- Module 3: Reverse Logistics and Returns Management (11:30 - 01:00) • Cost recovery, sustainability, returns processing
- Module 4: Workshop - Design an Integrated Logistics Workflow (02:00 - 03:30) • Visualize logistics across inbound, outbound, and returns

Day 5: Strategy, Innovation, and Final Presentations

- Module 1: Developing a Logistics Innovation Roadmap (07:30 - 09:30) • Prioritizing initiatives and tech investments
- Module 2: Change Management in Digital Logistics (09:45 - 11:15) • User adoption, stakeholder alignment, training
- Module 3: Final Case Study - Logistics Tech Strategy Presentation (11:30 - 01:00) • Group planning and presentation of a transformation project
- Module 4: Wrap-Up and Certification (02:00 - 03:30) • Review, reflections, certificate distribution

Certification

Participants will receive a Certificate of Completion in Logistics Management & Transportation Technology Innovations, validating their skills in modern logistics planning and the application of digital tools for transport optimization and supply chain transformation.

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