



COMPREHENSIVE FLEET AND TRANSPORTATION MANAGEMENT TRAINING COURSE

05 - 09 OCT 2026

KUALA LUMPUR

5200 € (PER PERSON)

REF: #LOG1331_194901



COURSE INTRODUCTION / OVERVIEW:

This intensive training course provides a comprehensive exploration of modern fleet management and transportation logistics, designed to equip professionals with the strategic skills needed to optimize operations, reduce costs, and enhance supply chain efficiency. In an era of complex global supply chains and rising operational expenses, effective fleet and transportation management is no longer just a logistical function but a critical competitive advantage. This program delves into the core principles and advanced techniques that define successful logistics operations, drawing on insights from leading academics like Alan C. McKinnon, a renowned expert in logistics and supply chain management. Participants will explore concepts discussed in seminal works such as "Logistics and the Environment," learning to balance economic performance with sustainability. BIG BEN Training Center has structured this course to move beyond theory, focusing on practical application through real-world case studies and data-driven decision-making frameworks. From vehicle lifecycle management and fuel efficiency strategies to route optimization and regulatory compliance, this course offers a holistic A-to-Z guide for mastering the complexities of today's transportation landscape.

TARGET AUDIENCE / THIS TRAINING COURSE IS SUITABLE FOR:

- Fleet Managers and Supervisors.
- Logistics and Distribution Managers.
- Supply Chain Analysts and Planners.
- Transportation Coordinators and Schedulers.
- Operations Managers.
- Procurement and Sourcing Professionals.
- Warehouse Managers.
- Business owners responsible for in-house fleets.
- Professionals aspiring to a career in logistics and fleet management.

TARGET SECTORS AND INDUSTRIES:

- Logistics and Third-Party Logistics (3PL) Providers.
- Retail and E-commerce.
- Manufacturing and Industrial Production.
- Freight and Cargo Transportation.
- Construction and Engineering.
- Oil and Gas.

- Food and Beverage Distribution.
- Pharmaceutical and Healthcare Supply Chains.
- Governmental agencies and public sector transportation.
- Waste Management and Environmental Services.



TARGET ORGANIZATIONS DEPARTMENTS:

- Logistics and Supply Chain Management.
- Transportation and Distribution.
- Operations Management.
- Procurement and Purchasing.
- Fleet Maintenance and Management.
- Warehouse and Inventory Control.
- Finance and Cost Control.
- Health, Safety, and Environment (HSE).

COURSE OFFERINGS:

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

- Develop a strategic fleet management plan aligned with organizational goals.
- Implement effective vehicle acquisition, maintenance, and disposal strategies.
- Utilize telematics and fleet management software to monitor and improve performance.
- Analyze transportation networks to optimize routes and reduce transit times.
- Master fuel management techniques to significantly lower operational costs.
- Ensure full compliance with local and international transportation regulations.
- Enhance fleet safety through robust driver training and monitoring programs.
- Apply data analytics to make informed, evidence-based logistics decisions.
- Integrate sustainable practices into fleet operations to reduce environmental impact.
- Manage transportation risks and develop effective contingency plans.
- Improve last-mile delivery efficiency and customer satisfaction.

COURSE METHODOLOGY:

The training methodology at BIG BEN Training Center is designed to be highly interactive, engaging, and practical, ensuring that participants can immediately apply their learning in the workplace. This course moves beyond traditional lectures by incorporating a dynamic blend of learning techniques. A cornerstone of our approach is the extensive use of real-world case studies, which allow participants to analyze complex fleet and logistics challenges faced by various industries and develop viable solutions. Interactive group discussions and brainstorming sessions encourage the sharing of diverse experiences and perspectives, fostering a collaborative learning environment. Practical exercises and simulations will be used to tackle specific problems, such as route optimization, cost-benefit analysis for vehicle acquisition, and developing a fleet safety protocol. Expert-led sessions will provide deep dives into technical topics like

telematics data analysis and regulatory compliance. Continuous feedback from the instructor and peers is integrated throughout the course to reinforce learning and build confidence. This hands-on, participant-centered approach ensures a comprehensive mastery of both the strategic and operational aspects of fleet and transportation management.



COURSE AGENDA (COURSE UNIT)

UNIT ONE: FOUNDATIONS OF MODERN FLEET AND LOGISTICS MANAGEMENT

- Introduction to fleet management and its role in the supply chain.
- The strategic importance of transportation logistics.
- Key performance indicators (KPIs) for fleet and transport operations.
- Understanding the total cost of ownership (TCO) for vehicles.
- The structure of a modern logistics department.
- Core principles of supply chain management.
- Regulatory and legal frameworks in transportation.

UNIT TWO: STRATEGIC FLEET OPERATIONS AND ASSET MANAGEMENT

- Vehicle acquisition strategies: leasing vs. buying.
- Developing a proactive and preventive maintenance program.
- Effective fuel management and consumption reduction techniques.
- Implementing and utilizing vehicle telematics and GPS tracking.
- Managing the vehicle lifecycle from acquisition to disposal.
- Tire management programs for safety and cost savings.
- Workshop and spare parts inventory management.

UNIT THREE: TRANSPORTATION NETWORK AND LOGISTICS OPTIMIZATION

- Principles of route planning and optimization.
- Mode of transport selection and multi-modal logistics.
- Freight management and carrier relationship management.
- Warehouse integration with transportation operations.
- Strategies for efficient last-mile delivery.
- Managing reverse logistics and returns effectively.
- Network design and distribution center location analysis.

UNIT FOUR: SAFETY, COMPLIANCE, AND DATA-DRIVEN DECISION MAKING

- Developing a comprehensive fleet safety and compliance program.
- Driver recruitment, training, and performance management.
- Health and Safety in the transportation environment (HSE).
- Understanding and complying with transport regulations.
- Using fleet data analytics to identify trends and inefficiencies.
- Creating dashboards and reports for management.

- Risk management and contingency planning in logistics.

UNIT FIVE: FUTURE TRENDS AND STRATEGIC COST MANAGEMENT



- Implementing sustainable and green fleet strategies.
- The impact of technology: AI, IoT, and automation.
- Advanced cost reduction strategies in fleet operations.
- Budgeting and financial planning for the fleet department.
- Change management for implementing new technologies and processes.
- Building a culture of continuous improvement in logistics.
- Preparing for the future of transportation and mobility.

FAQ:

QUALIFICATIONS REQUIRED FOR REGISTERING TO THIS COURSE?

There are no requirements.

HOW LONG IS EACH DAILY SESSION, AND WHAT IS THE TOTAL NUMBER OF TRAINING HOURS FOR THE COURSE?

This training course spans five days, with daily sessions ranging between 4 to 5 hours, including breaks and interactive activities, bringing the total duration to 20 - 25 training hours.

SOMETHING TO THINK ABOUT:

As automation and AI become more prevalent in logistics, how might the role of the human fleet manager evolve from an operational supervisor to a strategic data analyst and technology integrator?

WHAT UNIQUE QUALITIES DOES THIS COURSE OFFER COMPARED TO OTHER COURSES?

This course distinguishes itself by offering a deeply integrated and strategic perspective on fleet and transportation management, moving beyond a narrow focus on software tools or singular operational tasks. While many programs may concentrate on either the vehicle asset or the logistics network, this curriculum holistically combines both, treating them as interconnected components of a single value chain. Its academic rigor is grounded in the practical application of principles from leading thinkers, ensuring that participants learn not just the "how" but the strategic "why" behind every decision. The emphasis on data-driven decision-making is a core differentiator; participants will learn to transform raw telematics and operational data into actionable business intelligence for cost reduction and efficiency gains. Furthermore, the course is forward-looking, dedicating significant time to emerging trends such as sustainability, automation, and AI, preparing managers not just for today's challenges but for the future of the industry. The blend of strategic oversight, operational excellence, and future-readiness provides a uniquely comprehensive learning experience.