

Green Logistics Measurement and Reduction Training Course

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Overview

Green Logistics Measurement and Reduction Training Course is a one-week intermediate course for logistics, transport, warehouse, distribution, sustainability, procurement, and supply-chain teams who leave with a Green Logistics Measurement and Action Pack. The course addresses inconsistent emissions data and disconnected improvement choices through defined boundaries, ISO 14083:2023 and GLEC-aligned calculations, transport and facility decisions, supplier criteria, reverse logistics, and tracked action plans. Agile Leaders Training Center delivers this course on green logistics measurement and reduction.

Who Should Attend

- Functions responsible for logistics strategy, planning, and performance
- Teams responsible for transport, carriers, routes, fleets, and distribution
- Functions responsible for warehouses, facilities, energy, and packaging
- Teams responsible for sustainability, emissions data, and reporting
- Functions responsible for procurement, suppliers, and reverse logistics

The course assumes participants work with logistics activity, energy, shipment, facility, carrier, supplier, or emissions data, and leaves out certification preparation, vehicle engineering, carbon-offset purchasing, and guaranteed reduction outcomes.

Departments and Industries

The course supports green-logistics decisions across freight networks, facilities, supply partners, and product-return flows.

- Logistics, transport, distribution, fleet, and network planning
- Warehousing, facilities, packaging, inventory, and fulfilment
- Sustainability, environmental management, finance, and reporting
- Procurement, supplier management, operations, and customer service
- Manufacturing, retail, healthcare, food, energy, construction, and technology

Learning Objectives

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

- Build a logistics-emissions boundary and baseline.
- Apply ISO 14083:2023 and GLEC-aligned calculation steps.
- Analyze transport, route, load, and carrier choices.
- Evaluate warehouse, energy, packaging, and return options.
- Use supplier criteria, data controls, and performance measures.
- Build a Green Logistics Measurement and Action Pack.

Course Agenda

Day 1: Define the Green Logistics Baseline

- Logistics Boundary and Transport-Chain Element Map
- Scope 1, Scope 2, and Scope 3 Activity Register
- Shipment, Distance, Mass, Energy, and Fuel Data Inventory
- Data Quality, Ownership, and Evidence Matrix
- Green Logistics Baseline and Hotspot Profile

Day 2: Measure Transport-Chain Emissions

- ISO 14083:2023 Quantification and Reporting Workflow
- GLEC Framework Transport and Hub Calculation Method
- Emission Factor Source and Selection Register
- Allocation, Empty-Running, and Load-Factor Worksheet
- Carrier Data Validation and Reconciliation Check

Day 3: Improve Transport and Distribution

- Mode, Route, Service, and Emissions Comparison Matrix
- Load Consolidation and Capacity-Use Planner
- Carrier Environmental Criteria and Scorecard
- Fleet Energy and Technology Option Screen
- Distribution Network Emissions Scenario Table

Day 4: Improve Facilities and Circular Flows

- Warehouse Energy and Operating Hotspot Audit
- Packaging Material and Cube-Efficiency Review
- Returns, Recovery, and Reverse-Logistics Flow Map
- Supplier and Logistics Procurement Requirement Sheet
- Green Logistics KPI and Action Portfolio

Day 5: Green Logistics Practice

- Exercise: Build a Logistics Boundary and Baseline
- Exercise: Calculate and Reconcile Transport Emissions
- Exercise: Compare Route, Carrier, and Mode Scenarios
- Exercise: Prioritize Facility, Packaging, and Return Actions
- Capstone Exercise: Build the Green Logistics Measurement and Action Pack

Practical Exercises

The course uses suggested activities to connect logistics activity data with emissions calculations and operating decisions.

- Suggested activity: define transport-chain boundaries and assemble shipment, distance, mass, fuel, energy, and carrier evidence.
- Suggested activity: calculate a multimodal shipment footprint and reconcile missing or inconsistent carrier data.
- Suggested activity: compare mode, route, consolidation, load factor, and service scenarios using consistent assumptions.
- Suggested activity: convert emissions hotspots into facility, packaging, procurement, reverse-logistics, and monitoring actions.

FAQs

Who is green logistics training designed for?

Green logistics training suits teams responsible for freight, transport, warehouses, distribution, facilities, packaging, procurement, suppliers, sustainability, emissions data, and reverse logistics, and assumes access to practical operating records.

How does green logistics measurement differ from general sustainability training?

Green logistics measurement focuses on freight movements, transport-chain elements, hubs, logistics facilities, carriers, packaging, and returns, while general sustainability training addresses a broader set of organizational environmental and social topics.

What belongs in a Green Logistics Measurement and Action Pack?

The pack combines a boundary map, activity-data register, factor register, calculation workbook, carrier evidence check, hotspot profile, scenario table, procurement criteria, facility audit, reverse-flow map, KPI dashboard, and action portfolio.

How are transport emissions calculated for green logistics?

Transport emissions are calculated from defined transport-chain activity, relevant energy or fuel use, suitable emission factors, allocation rules, load and empty-running assumptions, and documented data-quality checks.

Conclusion

Participants take back a Green Logistics Measurement and Action Pack. It connects transport-chain data, emissions calculations, carriers, routes, modes, warehouses, packaging, procurement, returns, and performance measures. The pack changes disconnected sustainability estimates into a documented baseline and prioritized operating roadmap with owners, evidence, and review points.

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