

LAPT

LONDON ACADEMY OF PROFESSIONAL TRAINING

CERTIFICATE

ISO 50001LOG — Energy Management in Logistics Facilities

ISO Certification Programme



LAPT — London Academy of Professional Training

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Reference TR-LOG-50001LOG • ISO Transport

UKPRN 10067351 • Registered in England and Wales, company 4984798

AT A GLANCE

REFERENCE	TR-LOG-50001LOG
AWARD	Certificate
ASSESSMENT	430 marks — 258 to pass (60%)
PREREQUISITES	None
VALIDITY	Lifetime
AWARDING BODY	LAPT — London Academy of Professional Training

CURRICULUM

1	Data Analysis for Energy Management 0 chapters65 marks	
2	Energy Management Principles 5 chapters · 30 classes85 marks • 1 Understanding Energy Management Fundamentals — 6 classes › 1.1 Define Key Terms in Energy Management › 1.2 Explain the Importance of Energy Management in Logistics › 1.3 Identify Common Energy Consumption Areas in Facilities › 1.4 Discuss the Role of Energy Audits in Management › 1.5 Analyze Case Studies of Effective Energy Management Practices › 1.6 Develop a Basic Energy Management Action Plan • 2 ISO 50001 Standards and Compliance Requirements — 6 classes › 2.1 Understand ISO 50001 Standards and Their Significance › 2.2 Identify Key Components of Energy Management Systems › 2.3 Explore Compliance Requirements for ISO 50001 Certification › 2.4 Analyze the Role of Leadership in Energy Management › 2.5 Develop Strategies for Implementing ISO 50001 Standards › 2.6 Evaluate Techniques for Monitoring and Reporting Energy Performance • 3 Energy Consumption Assessment Techniques — 6 classes › 3.1 Identify Key Energy Consumption Metrics in Logistics › 3.2 Analyze Historical Energy Data for Trends › 3.3 Conduct a Site Energy Audit Using Assessment Tools › 3.4 Evaluate Energy Use Intensity in Logistics Operations › 3.5 Compare Energy Consumption Patterns Across Facilities › 3.6 Develop Recommendations Based on Energy Assessment Findings • 4 Developing and Implementing Energy Management Action Plans — 6 classes › 4.1 Identify Key Energy Management Objectives in Logistics › 4.2 Conduct Energy Audits to Assess Current Consumption › 4.3 Develop Measurable Energy Performance Indicators (EPIs) › 4.4 Create a Comprehensive Energy Management Action Plan › 4.5 Implement Energy Saving Initiatives in Logistics Facilities › 4.6 Evaluate and Review the Effectiveness of Energy Management Actions • 5 Monitoring, Reporting, and Continuous Improvement in Energy Management — 6 classes › 5.1 Identify Key Performance Indicators for Energy Management › 5.2 Implement Energy Monitoring Systems and Tools › 5.3 Collect and Analyze Energy Consumption Data › 5.4 Prepare Comprehensive Energy Reporting Frameworks › 5.5 Foster a Culture of Continuous Improvement in Energy Practices › 5.6 Develop Action Plans Based on Energy Performance Insights	
3	Energy Management System Design 0 chapters65 marks	
4	Evaluation and Reporting Techniques 0 chapters65 marks	

• 1 Understanding ISO 50001: Key Principles and Framework — 6 classes

- › 1.1 Define ISO 50001 and its Importance in Energy Management
- › 1.2 Identify Key Principles of ISO 50001 Standards
- › 1.3 Explore the Structure and Framework of ISO 50001
- › 1.4 Analyze Benefits of Implementing ISO 50001 in Logistics
- › 1.5 Evaluate Case Studies of Successful ISO 50001 Implementations
- › 1.6 Develop an Action Plan for Applying ISO 50001 in Your Facility

• 2 Establishing an Energy Management System (EnMS) in Logistics Facilities — 6 classes

- › 2.1 Define Key Components of an Energy Management System (EnMS)
- › 2.2 Assess Current Energy Performance in Logistics Facilities
- › 2.3 Identify Stakeholders and Assign Roles for EnMS Implementation
- › 2.4 Develop Energy Policy and Objectives for Logistics Operations
- › 2.5 Create an Action Plan for Energy Management Initiatives
- › 2.6 Monitor and Review the Effectiveness of the EnMS

• 3 Energy Performance Assessment and Baseline Establishment — 6 classes

- › 3.1 Define Energy Performance Metrics for Logistics Facilities
- › 3.2 Establishing a Baseline for Energy Consumption Analysis
- › 3.3 Conducting an Energy Audit to Assess Current Performance
- › 3.4 Identifying Key Performance Indicators (KPIs) for Energy Management
- › 3.5 Analyzing Data to Identify Energy Improvement Opportunities
- › 3.6 Implementing Changes Based on Energy Performance Assessment

• 4 Setting Objectives and Targets for Energy Improvement — 6 classes

- › 4.1 Identify Key Energy Baselines for Improvement
- › 4.2 Analyze Current Energy Consumption Patterns
- › 4.3 Set SMART Objectives for Energy Efficiency
- › 4.4 Develop Quantifiable Targets for Energy Reduction
- › 4.5 Engage Stakeholders in Energy Target Setting
- › 4.6 Review and Adjust Objectives Based on Performance

• 5 Monitoring, Reviewing, and Sustaining Energy Management Practices