

LAPT

LONDON ACADEMY OF PROFESSIONAL TRAINING

CERTIFICATE

ISO 14001DTC — Environmental Management of Data Centres

ISO Certification Programme



LAPT — London Academy of Professional Training

Address 85 Great Portland Street, W1W 7LT, London, United Kingdom

Email info@lapt.org

Telephone +44 7513 283044

Web lapt.org

Reference IIT-DTC-14001DTC • ISO IT & Related Technologies

UKPRN 10067351 • Registered in England and Wales, company 4984798

AT A GLANCE

REFERENCE	IIT-DTC-14001DTC
AWARD	Certificate
ASSESSMENT	430 marks — 258 to pass (60%)
PREREQUISITES	None
VALIDITY	Lifetime
AWARDING BODY	LAPT — London Academy of Professional Training

CURRICULUM

1 Environmental Regulation and Compliance 0 chapters65 marks	
2 Introduction to Environmental Management Systems 5 chapters · 30 classes65 marks	• 1 Understanding Environmental Management Systems in Data Centres — 6 classes › 1.1 Define the Key Components of Environmental Management Systems › 1.2 Explore the Principles of ISO 14001 in Data Centres › 1.3 Identify Environmental Impacts Associated with Data Centres › 1.4 Assess the Importance of Compliance and Risk Management › 1.5 Develop Strategies for Implementing an Environmental Management System › 1.6 Evaluate the Effectiveness of Environmental Management Practices • 2 Key Components of ISO 14001 Standards — 6 classes › 2.1 Understand the Purpose of ISO 14001 Standards › 2.2 Identify Key Components of an Environmental Management System › 2.3 Explore the Plan-Do-Check-Act Cycle in ISO 14001 › 2.4 Analyze Roles and Responsibilities in Environmental Management › 2.5 Examine Compliance Obligations within ISO 14001 › 2.6 Implement Continuous Improvement Strategies in Data Centres • 3 Assessing Environmental Impact in Data Centres — 6 classes › 3.1 Identify Key Environmental Impacts in Data Centres › 3.2 Analyze Energy Consumption Patterns in Data Centres › 3.3 Evaluate Waste Management Practices in Data Centres › 3.4 Assess Water Usage and Conservation Strategies in Data Centres › 3.5 Conduct a Risk Assessment for Environmental Compliance in Data Centres › 3.6 Develop an Action Plan for Reducing Environmental Impact in Data Centres
	• 4 Implementing an EMS in Data Centres — 6 classes › 4.1 Assess Current Environmental Practices in Data Centres › 4.2 Identify Key Components of an Environmental Management System (EMS) › 4.3 Establish Environmental Objectives and Targets for Data Centres › 4.4 Develop an EMS Implementation Plan for Data Centres › 4.5 Monitor and Measure Environmental Performance Metrics › 4.6 Review and Improve the EMS for Continuous Environmental Compliance • 5 Monitoring, Review and Continuous Improvement in Data Centres — 6 classes › 5.1 Identify Key Performance Indicators for Environmental Management in Data Centres › 5.2 Implement Monitoring Techniques for Environmental Impact Assessment › 5.3 Analyze Data to Evaluate Environmental Performance in Data Centres › 5.4 Conduct Regular Reviews of Environmental Management Systems Efficacy › 5.5 Develop Action Plans for Continuous Improvement in Environmental Practices › 5.6 Establish Feedback Mechanisms for Stakeholder Engagement in Environmental Management

• 1 Understanding ISO 14001: Principles and Framework — 6 classes

- › 1.1 Define and Explain ISO 14001: Key Terminology and Concepts
- › 1.2 Identify the Core Principles of Environmental Management in ISO 14001
- › 1.3 Outline the Structure and Framework of ISO 14001 Standards
- › 1.4 Analyze the Benefits of Implementing ISO 14001 in Data Centres
- › 1.5 Discuss Stakeholder Involvement in ISO 14001 Implementation
- › 1.6 Develop an Action Plan for Integrating ISO 14001 in Data Centre Operations

• 2 Data Centre Environmental Impacts and Compliance — 6 classes

- › 2.1 Identify Key Environmental Impacts of Data Centres
- › 2.2 Analyze Regulatory Compliance Requirements for Data Centres
- › 2.3 Evaluate Energy Consumption Patterns in Data Centres
- › 2.4 Assess Water Usage and Management Strategies
- › 2.5 Develop a Compliance Checklist for ISO 14001 Standards
- › 2.6 Implement Best Practices for Reducing Environmental Footprint

• 3 Implementing Environmental Management Systems in Data Centres — 6 classes

- › 3.1 Understand ISO 14001 Standards and Framework
- › 3.2 Assess Environmental Impact of Data Centres
- › 3.3 Develop an Environmental Management Policy for Data Centres
- › 3.4 Implement Audit Processes for Environmental Compliance
- › 3.5 Monitor and Measure Environmental Performance Metrics
- › 3.6 Engage Stakeholders in Sustainable Data Centre Practices

• 4 Monitoring, Measuring, and Evaluating EMS Performance — 6 classes

- › 4.1 Define Key Performance Indicators for EMS
- › 4.2 Develop a Data Collection Plan for Environmental Metrics
- › 4.3 Implement Monitoring Techniques for Energy Consumption
- › 4.4 Analyze and Interpret Collected Environmental Data
- › 4.5 Evaluate EMS Performance Against ISO 14001 Standards
- › 4.6 Create an Action Plan for Continuous Improvement in Environmental Management

• 5 Leadership and Culture in ISO 14001 Implementation — 6 classes

- › 5.1 Define Leadership Roles in ISO 14001 Implementation
- › 5.2 Cultivate a Sustainable Culture within Data Centres
- › 5.3 Identify Key Stakeholders for Environmental Management
- › 5.4 Develop Effective Communication Strategies for ISO 14001
- › 5.5 Assess Leadership Commitment to Environmental Practices
- › 5.6 Implement Continuous Improvement Initiatives in Data Centre Operations

• 1 Understanding Sustainability Principles in Data Centres — 6 classes

- › 1.1 Define Sustainability in the Context of Data Centres
- › 1.2 Identify Key Environmental Impacts of Data Centre Operations
- › 1.3 Explore Energy Efficiency Practices for Data Centres
- › 1.4 Assess Water Management Strategies in Data Centre Operations
- › 1.5 Implement Waste Reduction Techniques for Data Centres
- › 1.6 Develop an Action Plan for Sustainable Data Centre Management

• 2 Environmental Regulations and Standards for Data Centres

• 3 Energy Efficiency Strategies for Data Centre Design

• 4 Waste Management and Recycling in Data Centres

• 5 Implementing and Auditing ISO 14001 for Data Centres