

LAPT

LONDON ACADEMY OF PROFESSIONAL TRAINING

CERTIFICATE

ISO 45001DTC — Occupational Health and Safety in Data Centre Environments

ISO Certification Programme



LAPT — London Academy of Professional Training

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Reference IIT-DTC-45001DTC • ISO IT & Related Technologies

UKPRN 10067351 • Registered in England and Wales, company 4984798

AT A GLANCE

REFERENCE	IIT-DTC-45001DTC
AWARD	Certificate
ASSESSMENT	430 marks — 258 to pass (60%)
PREREQUISITES	None
VALIDITY	Lifetime
AWARDING BODY	LAPT — London Academy of Professional Training

CURRICULUM

1	Designing Safety Training Programs 0 chapters 45 marks
2	Emergency Preparedness and Response 0 chapters 65 marks
3	Health and Safety Leadership 5 chapters · 6 classes 85 marks • 1 Understanding Occupational Health and Safety in Data Centres — 6 classes > 1.1 Define Key Concepts in Occupational Health and Safety for Data Centres > 1.2 Identify Common Hazards Specific to Data Centre Environments > 1.3 Explore Risk Assessment Techniques for Data Centre Operations > 1.4 Implement Safety Protocols to Mitigate Identified Risks > 1.5 Evaluate the Role of Leadership in Promoting Safety Culture > 1.6 Develop an Action Plan for Continuous Improvement in Occupational Health and Safety • 2 Identifying and Assessing Hazards in Data Centres • 3 Implementing Safety Management Systems in Data Centres • 4 Promoting a Safety Culture Among Data Centre Teams • 5 Continuous Improvement and Compliance Monitoring

• **1 Introduction to Occupational Health and Safety in Data Centres** — 6 classes

- › 1.1 Define Occupational Health and Safety in Data Centre Context
- › 1.2 Identify Key Regulations Governing Data Centre Safety
- › 1.3 Assess Common Hazards in Data Centres
- › 1.4 Explain Roles and Responsibilities in Health and Safety Management
- › 1.5 Develop a Basic Safety Plan for Data Centre Operations
- › 1.6 Implement Best Practices for Occupational Health in Data Centres

• **2 Regulatory Frameworks and ISO 45001 Standards** — 6 classes

- › 2.1 Understand the Importance of ISO 45001 in Data Centre Safety
- › 2.2 Explore Key Occupational Health and Safety Regulations in the UK
- › 2.3 Identify the Structure and Components of ISO 45001 Standards
- › 2.4 Analyze Roles and Responsibilities under ISO 45001 Framework
- › 2.5 Assess the Impact of Compliance on Data Centre Operations
- › 2.6 Develop an Action Plan for Implementing ISO 45001 Standards

• **3 Risk Assessment and Management Strategies** — 6 classes

- › 3.1 Identify Key Hazards in Data Centre Environments
- › 3.2 Assess Risk Levels Associated with Identified Hazards
- › 3.3 Implement Control Measures for Risk Mitigation
- › 3.4 Develop Incident Response Plans for Data Centre Safety
- › 3.5 Evaluate Effectiveness of Risk Management Strategies
- › 3.6 Communicate Risk Management Findings to Stakeholders

• **4 Promoting a Safety Culture in Data Centre Operations** — 6 classes

- › 4.1 Define Safety Culture in Data Centre Operations
- › 4.2 Identify Key Elements of a Strong Safety Culture
- › 4.3 Assess Current Safety Practices in Your Data Centre
- › 4.4 Develop Strategies to Enhance Safety Awareness
- › 4.5 Implement Safety Training Programs for Staff
- › 4.6 Evaluate the Impact of Safety Initiatives on Operations

• **5 Implementing and Auditing Safety Management Systems** — 6 classes

- › 5.1 Analyze Existing Safety Management Systems in Data Centres
- › 5.2 Identify Key Regulations for Health and Safety Compliance
- › 5.3 Develop a Framework for Implementing Safety Management Systems
- › 5.4 Conduct Internal Audits to Assess Safety Management Effectiveness
- › 5.5 Engage Stakeholders in Safety Management System Implementation
- › 5.6 Evaluate and Improve Safety Management Systems Based on Audit Findings

• **1 Fundamentals of Risk Management in Data Centres** — 6 classes

- › 1.1 Define Key Concepts in Risk Management for Data Centres
- › 1.2 Identify Common Risks in Data Centre Operations
- › 1.3 Analyze Risk Assessment Methodologies for Data Centres
- › 1.4 Evaluate the Impact of Risks on Data Centre Performance
- › 1.5 Develop a Risk Mitigation Strategy for Data Centres
- › 1.6 Implement a Risk Management Framework in Data Centre Settings

• **2 Identifying Risks in Data Centre Operations** — 6 classes

- › 2.1 Define Key Terms in Data Centre Risk Management
- › 2.2 Identify Common Risks in Data Centre Operations
- › 2.3 Analyze Risk Factors Specific to Data Centres
- › 2.4 Explore Case Studies of Data Centre Incidents
- › 2.5 Conduct a Risk Assessment Exercise for a Data Centre
- › 2.6 Develop a Risk Management Action Plan for Data Centres

• **3 Assessing and Evaluating Risks in Data Centre Environments** — 6 classes

- › 3.1 Identify Potential Hazards in Data Centre Operations
- › 3.2 Conduct Risk Assessments Using Qualitative Methods
- › 3.3 Evaluate the Impact of Identified Risks on Personnel and Infrastructure
- › 3.4 Prioritize Risks Based on Severity and Likelihood
- › 3.5 Develop Mitigation Strategies for High-Priority Risks
- › 3.6 Review and Update Risk Assessment Processes Regularly

• **4 Implementing Risk Mitigation Strategies in Data Centres** — 6 classes

- › 4.1 Identify Key Risks in Data Centre Operations
- › 4.2 Assess Impact and Likelihood of Identified Risks
- › 4.3 Develop Risk Mitigation Strategies for Data Centre Hazards
- › 4.4 Implementing Control Measures for Risk Reduction
- › 4.5 Monitor and Review the Effectiveness of Mitigation Strategies
- › 4.6 Communicate Risk Management Practices to Data Centre Staff

• **5 Monitoring and Reviewing Risk Management Practices** — 6 classes

- › 5.1 Identify Key Risk Indicators in Data Centre Environments
- › 5.2 Implement Monitoring Techniques for Risk Management
- › 5.3 Evaluate the Effectiveness of Current Risk Management Practices
- › 5.4 Conduct Regular Risk Assessments in Data Centres
- › 5.5 Develop a Framework for Continuous Improvement in Risk Management
- › 5.6 Report Findings and Adjust Strategies to Enhance Safety