

LAPT

LONDON ACADEMY OF PROFESSIONAL TRAINING

CERTIFICATE

ISO 61400 — Wind Turbines Design and Safety

ISO Certification Programme



LAPT — London Academy of Professional Training

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Reference ENG-RNW-61400 • ISO Energy

UKPRN 10067351 • Registered in England and Wales, company 4984798

AT A GLANCE

REFERENCE	ENG-RNW-61400
AWARD	Certificate
ASSESSMENT	300 marks — 180 to pass (60%)
PREREQUISITES	None
VALIDITY	Lifetime
AWARDING BODY	LAPT — London Academy of Professional Training

CURRICULUM

1 ISO ENG Foundation 7 chapters · 42 classes 100 marks	
• 4 Clause 4: Context of the Organisation — 6 classes › Understanding the Organisation in Wind Turbine Design › Identifying Interested Parties in Wind Energy Projects › Defining the Scope of ISO 61400 Compliance › Setting Boundaries for Wind Turbine Management Systems › Analyzing Stakeholder Expectations in Wind Energy Operations › Integrating Contextual Factors into Wind Turbine Safety Planning • 5 Clause 5: Leadership — 6 classes › Understanding Leadership Commitment in ISO 61400 Compliance › Developing Effective Policies for Wind Turbine Safety › Defining Roles in Wind Turbine Leadership Structures › Establishing Responsibilities for ISO 61400 Implementation › Clarifying Authorities within Wind Turbine Management › Evaluating Leadership Effectiveness in Wind Turbine Operations • 6 Clause 6: Planning — 6 classes › Identifying Risks and Opportunities in Wind Turbine Planning › Establishing Objectives for Wind Turbine Development › Strategic Planning Techniques for Wind Turbines › Integrating Safety Measures in Wind Turbine Projects › Monitoring and Evaluating Objectives in Wind Energy › Risk Management Frameworks for Wind Turbine Design • 7 Clause 7: Support — 6 classes › Understanding Resources for Wind Turbine Support Compliance › Essential Competence for Wind Turbine Support Personnel › Building Awareness in Wind Turbine Design and Safety › Effective Communication Strategies in Wind Turbine Projects › Documented Information Requirements for Wind Turbine Support › Integrating Support Systems in Wind Turbine Design Processes	• 8 Clause 8: Operation — 6 classes › Understanding Operational Planning for Wind Turbines › Implementing Control Measures in Wind Farm Operations › Standard-Specific Requirements for Wind Turbine Operations › Risk Assessment in Wind Turbine Operational Planning › Best Practices for Operational Control in Wind Turbines › Monitoring and Reporting in Wind Turbine Operations • 9 Clause 9: Performance Evaluation — 6 classes › Understanding Performance Evaluation in ISO 61400 for Wind Turbines › Monitoring Techniques for Wind Turbine Performance Evaluation › Measurement Standards in ISO 61400 Wind Turbine Assessments › Analyzing Performance Data in Wind Turbine Operations › Internal Audit Processes for ISO 61400 Compliance › Conducting Management Reviews in Wind Turbine Performance Evaluation • 10 Clause 10: Improvement — 6 classes › Understanding Nonconformity in Wind Turbine Design › Corrective Actions for Safeguarding Wind Turbines › Implementing Continual Improvement in Wind Energy Projects › Methods for Identifying Nonconformities in Wind Systems › Evaluating Effectiveness of Corrective Actions in Wind Turbines › Strategies for Long-term Improvement in Wind Energy Safety

• CH1 Understanding ISO 61400 and Its Requirements — 6 classes

- › Introduction to ISO 61400 and Wind Turbines
- › Key Principles of Wind Turbine Design Safety
- › Interpreting ISO 61400 Clauses and Standards
- › Overview of ISO 61400 Implementation Process
- › Recognising Stakeholder Involvement in ISO Standards
- › Integrating ISO 61400 into Existing Frameworks

• CH2 Conducting Effective Gap Analysis for Compliance — 6 classes

- › Identifying Compliance Gaps in Current Practices
- › Tools for Conducting Gap Analysis on ISO 61400
- › Methodologies for Documentation Review and Assessment
- › Engaging Stakeholders in Gap Analysis Findings
- › Creating an Action Plan for Identified Gaps
- › Tracking Progress and Addressing Compliance Issues

• CH3 Project Planning for ISO 61400 Implementation — 6 classes

- › Developing an ISO 61400 Implementation Roadmap
- › Setting Achievable Objectives and Milestones
- › Assigning Roles and Responsibilities in Teams
- › Resource Allocation for Efficient Project Execution
- › Monitoring Project Progress and Making Adjustments
- › Communication Strategies for Stakeholder Engagement

• CH4 Documenting Processes and Procedures Effectively — 6 classes

- › Creating Effective Documentation for ISO Compliance
- › Utilising Templates for ISO 61400 Documentation
- › Best Practices for Version Control and Updates
- › Establishing Document Management Systems
- › Training Staff on Documentation and Quality Assurance
- › Reviewing and Updating Documents Regularly

• CH5 Preparing for Internal Audits and Certification — 6 classes

- › Planning and Conducting Internal Audits
- › Developing Auditing Checklists for ISO 61400
- › Reporting Findings and Non-Conformities Effectively
- › Management Review Processes for Continuous Improvement
- › Preparing for External Certification Audits
- › Strategies for Successful Certification Outcomes

• CH1 Understanding ISO 61400 for Wind Turbine Safety — 6 classes

- › Introduction to ISO 61400 Standards
- › Key Components of Wind Turbine Design
- › Safety Regulations in Wind Energy
- › ISO Compliance and Best Practices
- › Case Studies on Wind Turbine Failures
- › Future Trends in Wind Energy Standards

• CH2 Positioning ISO Skills in Renewable Energy — 6 classes

- › Mapping ISO Skills to Industry Needs
- › Identifying Key Stakeholders in Renewables
- › Aligning ISO Standards with Market Demands
- › Strategic Skills Development for Consultants
- › Leveraging ISO Knowledge for Competitive Advantage
- › Building Cross-functional Teams for Consulting

• CH3 Building Your Consultant Brand — 6 classes

- › Creating a Sustainable Consulting Brand
- › Marketing Strategies for ISO Consultants
- › Networking in the Renewable Sector
- › Establishing Credibility and Trust
- › Developing Personal and Organizational Branding
- › Using Social Media Effectively in Consulting

• CH4 Advisory Services for Wind Energy Clients — 6 classes

- › Understanding Client Needs in Wind Energy
- › Effective Communication with Clients
- › Providing Value-Added Advisory Services
- › Risk Management in Wind Projects
- › Navigating Regulatory Compliance for Clients
- › Developing Long-term Client Relationships

• CH5 Integrating ISO Standards with Industry Practices — 6 classes

- › Aligning ISO Standards with Operational Practices
- › ISO + Industry Collaboration Techniques
- › Implementing Quality Management Systems
- › Performance Metrics for Consulting Success
- › Innovating Solutions within ISO Frameworks
- › Future-Proofing Your Consulting Practice