



**EXEMPLAR GLOBAL, USA APPROVED
ISO 50001:2018 LEAD AUDITOR COURSE**

**OFFERED BY RECOGNISED TRAINING PROVIDER
NVT QUALITY CERTIFICATION INTERNATIONAL**



ISO 50001 Energy management



Pre-Requisites

Before starting this course, participants are expected to have the following prior knowledge:

a) Management systems

- The Plan, Do, Check, Act (PDCA) cycle
- The core elements of a management system and the interrelationship between Context, Leadership and Commitment, Energy Policy, Planning, Operation, Performance Evaluation, Management Review and Continual Improvement

b) Energy management

- The relevant sources of energy regulation, guidelines and standards
- Energy measurement units, sources, costs, tariffs and scheduling
- Energy use data analysis methods
- Electricity use: motors, drives, lighting, computer

c) ISO 50001

- An understanding of the requirements of ISO 50001 and the commonly used energy management terms and definitions, as given in ISO 50001

Learning Objectives :

KNOWLEDGE, SKILL AND APPLICATION

- Understand the operations of an Energy Management System based on ISO 50001
- Acknowledge the correlation between ISO 50001 and other standards and regulatory frameworks
- Understand an auditor's role to: plan, lead and follow-up on a management system audit in accordance with ISO 19011
- Learn how to lead an audit and audit team
- Learn how to interpret the requirements of ISO 50001 in the context of an EnMS audit
- Acquire the competencies of an auditor to: plan an audit, lead an audit, draft reports, and follow-up on an audit in compliance with ISO 19011

Course Overview

- ISO 50001 Lead Auditor training enables you to develop the necessary expertise to perform an Energy Management System (EnMS) audit by applying widely recognized audit principles, procedures and techniques. During this training course, you will acquire the knowledge and skills to plan and carry out internal and external audits in compliance with ISO 19011 and ISO/IEC 17021-1 certification process.
- Based on practical exercises, you will be able to master audit techniques and become competent to manage an audit program, audit team, communication with customers, and conflict resolution.



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Course Content

- EnMS Auditor/Lead Auditor certification
- Structure & Overview of ISO 50001:2018
- Explain the purpose of an Energy Management System (EnMS), EnMS standards, Management System audit and third party Certification
- The P-D-C-A framework
- Interrelationship between Management Responsibility, Energy Policy, Energy Planning, Checking Performance, Management Review and Continuous Improvement
- ISO 19011 Vs ISO 17021
- Audit Planning & preparation
- Audit Tools & Techniques
- Audit Performance
- Recording & Reporting Non Conformities
- Audit report preparation
- Corrective Action & audit follow-up
- Continuous Assessment exercises & feedback
- Syndicate & role play exercises & feedback
- Written Examination

Course Duration

40 hours

Who Should Attend?

- Auditors seeking to perform and lead Energy Management System (EnMS) certification audits
- Managers or consultants seeking to master an EnMS audit process
- Individuals responsible for maintaining conformance with Energy Management System requirements
- Technical experts seeking to prepare for an Energy Management System audit
- Expert advisors in Energy Management

NVT QC AT A GLANCE

Over 25 years experience

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Accredited by ANAB and NABCB for certification of quality management system of organizations

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Recognized by Exemplar Global as a training provider

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Presence in USA, Europe, Middle East, Africa, South East Asia and India

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Proven leadership in certification and training programs

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Over 10000+ audits in AQMS, QMS, EMS, ISMS, OHSAS, EnMS and IMS



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