



Quality Management & Operational Excellence

# **ISO 50001 Energy Management Systems – Lead Auditor**

## Course Introduction

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Energy management is key to saving energy in your organization. Much of the importance of energy saving stems from the global need to save energy – this global need affects energy prices, emissions targets, and legislation, all of which lead to several compelling reasons why you should save energy at your organization specifically.

### Reducing energy consumption

Organization's focus on reducing energy consumption is now a major international consideration in socially responsible management as environmental and sustainability concerns worldwide look to reduce our human impacts on planet Earth.

### ISO 50001

This training course is designed to provide participants with the foundational concepts of ISO 50001 and structure for identifying and then reducing energy consumption for any organization or industry.

This course will cover topics such as the systematic approach to determining energy use in any organisation, setting targets for energy usage reduction where practical, measuring energy consumption, managing energy consumption, and energy management improvement.

## Target Audience

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- practitioners in quality and audits
- Senior members and managers of organisations who need to understand the significance of training employees on quality management
- Quality team members
- Professionals aspiring to undertake a quality-related certification
- Construction project owners
- Design consultants
- Construction contractors
- Architects

- Non-engineering construction professionals

## Learning Objectives

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- Gain a comprehensive understanding of the ISO 50001 standards and the importance of management systems.
- Develop an energy policy for the organization and plan actions to improve energy efficiency and use
- Conduct an energy 'REVIEW' and establish an energy 'BASELINE', 'PERFORMANCE INDICATORS' and 'OBJECTIVES'
- Identify practical energy measurement processes

## Course Outline

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### • 01 DAY ONE

#### **Introduction to the ISO Standard on Energy Management**

- Introducing ISO 50001 – The need for the standard
- Introduction to Energy Management Systems
- The Standard – clauses 4.1 and 4.2
- Energy POLICY
- Energy Policies vs. ISO 50001

### • 02 DAY TWO

#### **Planning Requirements of ISO 50001**

- Meaning of Energy Review
- Energy Review Methodology
- Energy Performance Indicators (EnPIs)
- Energy Baselines
- Developing Possible EnPIs

### • 03 DAY THREE

## Operational Planning and Implementation Requirements of ISO 50001

- Energy Objectives, Targets and Action Plans
- Development of Possible Action Plans
- Compliance with Legislation & other Requirements
- Implementation & Operation
- Identification of Operational & Implementation Controls

### • 04 DAY FOUR

## Monitoring and Measurement Requirements of ISO 50001 and Review

- Monitoring & Measuring
- ISO 50001 Requirements
- Identification of Monitoring & Measuring Controls
- Preparing Questions to Check that Appropriate Monitoring and Measuring Takes Place & Identification of Weak Areas
- Interpreting the Standard

### • 05 DAY FIVE

## The Role of Auditing in ISO 50001

- Non-conformities & Reporting
- NCR Reports
- Corrective Action Activities
- Examples
- Performing an ISO 50001 Audit
- End of Course Review

## Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
June 30, 2025	July 4, 2025	5 days	4250.00 \$	UAE - Dubai
Aug. 25, 2025	Aug. 29, 2025	5 days	4250.00 \$	UAE - Abu Dhabi
Dec. 1, 2025	Dec. 5, 2025	5 days	4250.00 \$	UAE - Abu Dhabi

