



Energy Management Systems for Internal Auditors

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Energy Management Systems for Internal Auditors

5 days training course

For detailed information on training course dates, please click the link :

[Energy Management Systems for Internal Auditors.](#)

Who should attend?

This training course is suitable for a wide range of professionals in energy management but will greatly benefit:

- Operational or Facility/Building Managers
- Maintenance Managers
- Building or Process Operators
- Energy Engineering Consultants and Project Engineers

Course Overview

This course provides a detailed understanding of Energy Management Systems (EnMS) with a focus on ISO 50001 and its application for energy auditors and managers. It explores the concepts of energy performance, energy reviews, and system optimization, equipping professionals with the tools and methodologies needed to implement and maintain energy management systems effectively. The course includes a practical approach to energy review, energy performance, financial analysis, and how to build a solid business case for energy projects.

Objectives

By the end of the course, participants will:

- Understand key concepts and principles of Energy Management Systems (EnMS)
- Learn the structure and requirements of ISO 50001
- Be able to conduct energy reviews and identify significant energy uses
- Gain expertise in developing and implementing energy plans and action steps
- Understand how to evaluate energy performance and conduct financial analysis
- Learn how to build the business case for energy performance improvements

Course Outline:

Day 1: Key Concepts of Energy Management Systems (EnMS)

- Climate change policies and frameworks
- Energy efficiency benefits and barriers
- Overview of energy management concepts
- ISO 50001 model and key concepts
- Importance of management commitment
- Legal and other regulatory requirements
- Scopes and boundaries in energy management
- Developing an energy policy
- Roles and responsibilities within the energy management team
- Resources, competence, and awareness
- Effective communication and documentation strategies

Day 2: Energy Review I

- Planning and gathering data for energy reviews
- Analyzing energy trends and performance
- Identifying significant energy uses
- Quantifying relevant variables
- Linear and multiple regression techniques for energy analysis
- Energy performance indicators (EPIs) and establishing baselines

Day 3: Energy Review II

- Optimizing energy systems
- Identifying opportunities for energy efficiency improvements
- Reviewing control systems and critical operating parameters
- Understanding the role of technology in energy optimization
- Setting objectives, energy targets, and action plans
- Developing an actionable energy plan

Day 4: Implementation, Operation, Evaluation, and Improvement

- Operational control in energy management
- Integrating energy-efficient design and procurement strategies
- Performance checking and handling deviations
- Conducting internal audits and management reviews
- Addressing non-conformities and corrective actions
- Measurement and verification of energy performance

Day 5: Energy Performance, Financial Analysis, and Building the Business Case

- Assessing energy performance and setting energy metrics
- Financial analysis of energy projects and investments
- Developing a compelling business case for energy performance improvements



DOCUMENTATION

The **MTC team** has meticulously prepared **high-quality training materials** for distribution to all delegates.

CERTIFICATES

An **accredited Certificate of Completion** will be awarded to participants who successfully attend and complete the program.

SCHEDULE

Course sessions are scheduled as follows:

- **Morning Session:** 09:00 AM – 1:00 PM
- **Afternoon Session:** 01:00 PM – 05:00 PM

REGISTRATION & PAYMENT

To register, please complete the **registration form** available on the course page and submit it with your **preferred payment method**. Alternatively, you can contact us via **email or WhatsApp** for assistance.

TRAVEL & TRANSPORT

We ensure a **seamless travel experience** by providing **airport-hotel-airport** transfers for all participants.