

€ TRAINING

Energy Management Systems Using ISO
50001



21 - 25 October 2024
Rome (Italy)



Energy Management Systems Using ISO 50001

REF: L1493 DATE: 21 - 25 October 2024 Venue: Rome (Italy) - Fee: 7140 Euro

Introduction:

This training program introduces ISO 50001, focusing on energy management systems to enhance efficiency and sustainability. Through it, participants will learn to implement, monitor, and audit energy management processes aligned with ISO standards.

Program Objectives:

At the end of this program the participants will be able to:

- Understand the fundamental principles of ISO 50001 and the importance of energy management systems.
- Develop and implement effective energy reviews, including Energy Performance Indicators EnPIs and baselines.
- Create and execute operational action plans that align with ISO 50001 compliance requirements.
- Monitor, measure, and review energy management processes in accordance with ISO 50001 standards.
- Perform energy audits under ISO 50001, identifying non-conformities and implementing corrective actions.

Targeted Audience:

- Operational Managers.
- Design Managers responsible for New Facilities.
- Project Managers especially those responsible for new facilities.
- Facilities Managers.
- Employees aiming to enhance their organization's environmental performance.

Program Outlines:

Unit 1:

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.

Unit 2:

Planning Requirements of ISO 50001:

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

Unit 3:

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.

Unit 4:

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.

Unit 5:

The Role of Auditing in ISO 50001:

- Non-conformities & Reporting.
- NCR Reports.
- Corrective Action Activities.
- Performing an ISO 50001 Audit.