

€ TRAINING

Energy Management Systems Using ISO
50001





Energy Management Systems Using ISO 50001

Introduction:

This training program on Energy Management Systems using ISO 5000 provides a clear structure for identifying and then reducing energy consumption in any large business or organization. The 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.

Program Objectives:

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

- Produce an energy policy for an organization.
- Conduct an energy "REVIEW".
- Establish an energy "BASELINE", "PERFORMANCE INDICATORS" and "OBJECTIVES".
- Determine practical energy measurement processes.
- Plan actions to improve energy efficiency and use.
- Understand the importance of management systems in achieving the above.

Targeted Audience:

- Operational Managers.
- Design Managers responsible for New Facilities.
- Project Managers especially those responsible for new facilities.
- Facilities Managers.
- Persons keen to improve the environmental performance of their organization.

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.