ISO 50001 Energy Management System: Master Implementation & Auditing Training Course

4 – 8 October 2027
Addis Ababa

AGILE LEADERS
Training Center

AGILE LEADERS
Training Center

ISO 50001 Energy Management System: Master Implementation & Auditing Training Course

Ref: 103600279_225111 **Date:** 4 – 8 October 2027 **Location:** Addis Ababa **Fees:** 6000 Euro

Course Overview:

The course is designed to equip professionals with the skills to implement, manage, and audit an Energy Management System EnMS based on the ISO 50001 standard.

Participants will learn about certification, compliance, audits, energy cost reduction, risk assessment, and continuous improvement. The course includes hands-on experience through case studies and interactive sessions, focusing on best practices for sustainable energy management.

Attendees will also prepare for certifications such as ISO 50001 Lead Implementer and ISO 50001 Lead Auditor to enhance their qualifications in energy efficiency.

Target Audience:

- Energy Managers and Consultants
- Auditors Internal & External
- Compliance Officers
- Facility & Operations Managers
- Environmental and Sustainability Officers
- Engineers & Technical Experts

Targeted Organizational Departments:

- Energy Management Teams
- Operations and Facility Management
- Compliance & Risk Assessment
- Procurement & Supply Chain Management
- Sustainability & Environmental Compliance
- Quality Assurance Teams

AGILE LEADERS
Training Center

Targeted Industries:

- Manufacturing & Heavy Industry
- Oil & Gas Sector
- Healthcare Facilities
- Government & Public Sector
- Retail & Commercial Buildings
- Data Centers & IT Infrastructure
- Renewable Energy Companies

Course Offerings:

By the end of this course, participants will be able to:

- Implement and maintain an ISO 50001-compliant Energy Management System.
- Conduct ISO 50001 internal audits and external audits.
- Develop an energy policy and planning framework.
- Execute ISO 50001 compliance and risk assessment.
- Prepare for the ISO 50001 Lead Implementer Exam.
- Conduct EnMS monitoring & measurement.
- Master ISO 50001 documentation training.
- Improve energy performance and cost reduction strategies.
- Gain 2 Certification from Agile Leaders & BECB

Training Methodology:

- Case Studies & Practical Exercises - Real-world scenarios for EnMS implementation & audits.
- Workshops & Problem-Solving Sessions - Apply energy management principles.
- Mock Audits & ISO 50001 Compliance Reviews - Prepare for real-world auditing challenges.
- Q&A Sessions with Experts - Address specific industry challenges.

Course Toolbox:

- ISO 50001 EnMS Documentation Templates
- Audit Checklists & Best Practice Guides
- Energy Policy Development Frameworks
- EnMS Risk Management Guidelines
- Exam Preparation Material for ISO 50001 Certification

AGILE LEADERS
Training Center

Course Agenda:

Day 1: Introduction to ISO 50001 & EnMS Fundamentals

- **Topic 1:** Understanding ISO 50001 Standard & Regulatory Framework
- **Topic 2:** Energy Management System EnMS Fundamentals
- **Topic 3:** Energy Policy & Planning
- **Topic 4:** Leadership & Project Approval
- **Topic 5:** Identifying Energy Performance Indicators EnPIs
- **Topic 6:** Gap Analysis & Readiness Assessment
- **Reflection & Review:** Key Learnings & Discussions

Day 2: Planning & Implementation of EnMS

- **Topic 1:** Defining EnMS Scope & Objectives
- **Topic 2:** Developing an Energy Performance Framework
- **Topic 3:** Energy Efficiency & Cost Reduction Strategies
- **Topic 4:** Document Control & Process Management
- **Topic 5:** Employee Training & Awareness Programs
- **Topic 6:** Integration with Other Management Systems
- **Reflection & Review:** Key Learnings & Discussions

Day 3: EnMS Operational Implementation

- **Topic 1:** Risk Assessment & Compliance Management
- **Topic 2:** Internal Audits & ISO 50001 Compliance Audits
- **Topic 3:** Sustainable Energy Procurement Strategies
- **Topic 4:** Operational Controls & Energy Monitoring
- **Topic 5:** Non-Conformity Handling & Corrective Actions
- **Topic 6:** Creating an Action Plan for Energy Optimization
- **Reflection & Review:** Key Learnings & Discussions

Day 4: Monitoring, Continuous Improvement & Certification Preparation

- **Topic 1:** Performance Measurement & Data Analysis
- **Topic 2:** Corrective Actions & Non-Conformance Handling
- **Topic 3:** Conducting Management Reviews
- **Topic 4:** ISO 50001 Certification Process & Requirements
- **Topic 5:** Audit Preparation & Documentation Review
- **Topic 6:** Case Studies & Best Practices
- **Reflection & Review:** Key Learnings & Discussions

Day 5: ISO 50001 Auditing Techniques & Exam Preparation

- **Topic 1:** Fundamentals of EnMS Auditing
- **Topic 2:** External Auditing Techniques & Best Practices
- **Topic 3:** Mock ISO 50001 Audit Exercises
- **Topic 4:** Audit Reporting & Findings Documentation
- **Topic 5:** ISO 50001 Exam Preparation & Certification Process
- **Topic 6:** Final Review & Closing Remarks
- **Reflection & Review:** Course Summary & Final Q&A

FAQ:

- ### What specific qualifications or prerequisites are needed for participants before enrolling in the course?

There are no formal prerequisites, but prior knowledge of energy management principles or auditing experience is beneficial.

- ### How long is each day's session, and is there a total number of hours required for the entire course?

Each day's session is structured to last around 4-5 hours, totaling approximately 20-25 hours over one week.

- ### How does ISO 50001 differ from other energy management certifications?

ISO 50001 focuses specifically on systematic energy performance improvement through data-driven decision-making, regulatory compliance, and continuous improvement processes, making it unique among energy-related certifications.

AGILE LEADERS
Training Center

How This Course is Different from Other ISO 50001 Courses:

This course distinguishes itself from generic ISO 50001 training by focusing on both implementation and auditing, providing a comprehensive understanding of Energy Management System EnMS operations. Participants will engage with real-world case studies and hands-on exercises to master ISO 50001 compliance and certification processes. The course also prepares attendees for ISO 50001 Lead Implementer and Lead Auditor certifications, giving them a competitive edge in the industry.