# Lead Implementer EnMS 50001 – Certified Program

# دورة رئيس فريق محققي نظم إدارة الطاقة – معتمد عالمياً

## 19 – 23 April 2020

## Dubai / United Arab Emirates

## Introduction

ISO 50001 Lead Auditor Training is designed to give you the relevant skills and knowledge to carry out audits of Energy Management Systems (EnMS). This five-day course provides an opportunity for both Environmental and Energy management professionals to update their skills in interactive and supportive surroundings.

The course focuses on implementing the requirements of the ISO 50001:2011 standard to help your organization to develop & implement policy, identify significant energy & improve energy performance and also prepare & maintain required documentation.

## Objectives

**By the end of this course practitioners shall learn to:**
- Explain the purpose of ISO 50001 and the benefits to an organization of using the Standard.
- Outline key concepts and approaches to an energy management system.
- Describe, with reference to Plan – Do – Check – Act cycle, the structure, scope and purpose of ISO 50001.
- Outline key ISO 50001 definitions and terminology.
- Briefly summarize relevant energy management legislation.
- Identify sources of law and sources of information on energy management legislation.
- Describe the principles, processes and techniques used for the assessment of risk and the significance of these in all energy management systems.
- Outline and interpret the requirements of the ISO 50001 management systems specification in the context of an audit.
- Effectively plan and conduct an audit of the management and operation of an organization in accordance with the requirements of relevant EnMS audit criteria.
- Report the audit, including writing valid, factual and value-adding nonconformity reports.
- Undertake audit follow-up activities, including evaluating the effectiveness of corrective and preventive action.

## Who Should Attend?

Anyone within an organization interested and responsible for energy management practices and implementing energy efficiency into existing industrial management systems for continuous improvement for sustainability.

**Course Outline**

**Introduction to Energy Management**
- Demand for Energy Management
- Benefits of Adopting Energy Management System
- ISO 50001 vs. Other Management System Standards

**Overview of ISO 50001 Standard**
- General Requirements
- Management Responsibility
  o Process-based Energy Managements
  o Energy Management Legislation
- Energy Policy
- Energy Planning
- Implementation and Operation
- Checking
- Management Review

**Improvement on Energy Performance**

**Process and Auditing Requirements of ISO 50001 Certification**
- Accredited Certification Bodies
- ISO 50001 Certification Process
  o Audits: definition, principles, types
  o The Audit Process
  o **Stage 1** Audit
    ▪ Developing the checklist
- Certification Requirements
  o **Stage 2** Audit:
    ▪ Conducting the on-site audit
    ▪ Review of Findings
    ▪ Report and conclusion & Addressing corrective  actions
- Non-conformities

**Examination Review**

**Written Examination**

## Training Method

- Pre-assessment
- Live group instruction
- Use of real-world examples, case studies and exercises
- Interactive participation and discussion
- Power point presentation, LCD and flip chart
- Group activities and tests
- Each participant receives a binder containing a copy of the presentation
- slides and handouts
- Post-assessment

## Program Support

This program is supported by interactive discussions, role-play, and case studies and highlight the techniques available to the participants.

## Schedule

**The course agenda will be as follows**:
- Technical Session          08.30-10.00 am
- Coffee Break               10.00-10.15 am
- Technical Session          10.15-12.15 noon
- Coffee Break               12.15-12.45 pm
- Technical Session          12.45-02.30 pm
- Course Ends                02.30 pm

## Course Fees*

- **2,950USD**
  *VAT is Excluded If Applicable*