

SHREYAS QUALITY MANAGEMENT SYSTEM (SQMS)



Training on
Energy Management System
(EnMS) ISO 50001:2011
Lead Auditor Course

Course Duration: Five Days

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INTRODUCTION

ABOUT ISO 50001:2011

ISO 50001:2011 is the International Standard for Energy Management, released in June 2011 that replaces the British and European Standard BS EN 16001:2009. It provides the most robust framework for optimizing energy efficiency in public and private sector organizations.

The standard aims to help organizations establish the systems and processes to improve their energy performance, including efficiency and consumption. The standard is applicable to all types and sizes of organizations.



ISO 50001 is designed to help companies make better use of their energy-consuming assets, evaluate and prioritize the implementation of energy-efficient technology, and promote efficiency throughout the supply chain. It is designed to integrate with other management standards, especially ISO 14001 on environmental management and ISO 9001 on quality management.

Certification to this standard defines an organizations commitment to continual improvement in energy management. Implementation will enable an organization to lead by example within their respective industries and ensure related legislative and regulatory requirements are met.

ISO 50001:2011 is a new Energy management systems standard which gives organizations the requirements for Energy Management Systems (EnMS). The standard is presently the world's leading energy management system increasingly being adapted by many companies internationally.

It is a comprehensive and flexible Energy Management System standard that provides benefits for organizations large and small, in both public and private sectors, in manufacturing and services, in all regions of the world. There are various factors that need to be considered at the

outset during the design phase, which subsequently need to be meticulously aligned with operating processes during commissioning.

BENEFITS OF ENERGY ACCOUNTING AND REPORTING AS PER ISO 50001:2011

- Significant financial savings can be achieved through increased energy efficiency. (Often forecast energy prices will rise by at least 20% by 2020)
- Enhanced marketing capabilities. Make your business stand out.
- ISO 50001 is the most robust energy management system, enabling organizations continual improvements on energy performance
- Organizations can ensure compliance with legal and regulatory requirements
- System Compatibility; ISO 50001 can be integrated with existing management systems

OBJECTIVES

- Describe the purpose and benefits of an energy management system
- Interpret the requirements of ISO 50001:2011 in the context of an audit
- Explain the purpose, content and interrelationship of ISO 50001:2011
- Summarize the role of law in energy conservation and the requirements of various acts and rules applicable in the industry sector
- Explain the role of an auditor to plan, conduct, report, and follow up on an energy management system audit in accordance with ISO 19011:2011
- Plan, conduct, report and follow up on a EnMS audit based on good process identification, sampling, and questioning techniques

COURSE CONTENT

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.

The course programme includes the following main topics:

- Introduction to Energy Management
- ISO 50001 Overview
- ISO 50001 Requirements
- Process-based Energy Managements
- Energy Management Legislation
- Accreditation, Certification and Auditor Competence

- Audits: definition, principles, types
- The Audit Process
- Stage 1 Audit
- Developing the checklist
- Stage 2 Audit: Conducting the on-site audit
- Stage 2 Audit: Review of Findings
- Stage 2 Audit: Report and conclusion & Addressing corrective actions
- Examination Review
- Course review and summary
- Written Examination

COURSE BENEFITS

On Successful completion of the course, the delegates would be able to understand

- Purpose and benefits of an energy management system
- Requirements of ISO 50001:2011 standards;
- Energy accounting;
- Quantification of Energy
- Summarize the role of law in energy conservation and the requirements of various acts and rules applicable in the industry sector
- Plan, conduct, report and follow up on a EnMS audit based on good process identification, sampling, and questioning techniques
- Manage an EnMS systems audit

CERTIFICATE

Participants qualifying written examination shall be awarded certificate of successful completion of the course.

WHO SHOULD ATTEND

- Energy Managers
- Energy/ Environmental auditors
- Facilities/ Plant Managers
- Environmental or Quality Managers
- Management representatives
- Consultants

- Individuals interested in conducting first-party, second-party, and/or third-party audits of an energy management system.
- Students from Engineering, Management, and Science Streams.

CERTIFICATE

Participants who score 70 % and above in both the continuous assessment and written examination will be issued an IRCA accredited certificate, while the others will be issued an attendance certificate.

About us

Shreyas Quality Management System is a Consultancy Development Centre(CDC), Govt. of India Accredited, and IMS(ISO9001QMS,14001EMS & OHSAS18001) certified Training & Consultancy Organization focused on organizational performance improvement through the globally accepted tools such as ISO 9001, ISO14001 EMS, ISO5001EnMS,TS16949,NABL ISO 17025,ISO15189,ISO 27001 ISMS, OHSAS 18001, SIX SIGMA, 5 S/Kaizen, TQM, quality costs, design of experiments(DOE) etc. It has helped many organizations both from manufacturing and service sectors to analyze and improve their performance through well-established systems. It has team members possessing a wide spectrum of professional qualifications, experience and expertise which could effectively and efficiently address improvement issues which are of importance to your business / organization. It has provided consultancy to more than 200 organizations both from manufacturing and service organizations for quality improvement.

Organised by-

SHREYAS QUALITY MANAGEMENT SYSTEM (SQMS)

(Consultancy Development Centre, Govt. of India Accredited, and IMS certified Training & Consultancy Organization)

Training & Consultancy for-

- ☐ Six Sigma, TQM - Quality Award, Quality Cost, TPM, SQC
- ☐ ISO 9001QMS; ISO 14001 EMS, QS 9000, OHSAS 18001, ISO 27001 ISMS, ISO 5001 EnMS
- ☐ ISO 17025/15189 (NABL Accreditation), NABH, HACCP, SEI-CMM,

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