



eco

Energy Management System



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**ISO
50001:2018
Syllabus**

AWARENESS ISO 50001:2018 TRAINING

GENERAL INFORMATION



DESCRIPTION

Awareness training is a one-day program covering the basic concepts and requirements of ISO 50001:2018. The training provides insight into the advantages of implementing an Energy Management System (EnMS).



EXPECTATIONS AND GOALS

By attending the program, candidates are expected to be able to:

1. Identify the basic concept and principles of an Energy Management System (EnMS)
2. Comprehend the basic elements of an Energy Management System (EnMS)
3. Identify the key requirements of ISO 50001:2018
4. Understand the concepts, approaches, methods, and techniques used to implement an Energy Management System (EnMS)



WHO SHOULD ATTEND

- Individuals interested in Energy Management
- Individuals seeking to gain knowledge about the main processes of Energy Management System (EnMS)



TOPICS

- Introduction to Energy Management System (EnMS) based on ISO 50001:2018
- Key definitions in ISO 50001:2018 standard
- Principles and concepts of ISO 50001:2018



PROVIDED MATERIALS

- The training module and case studies
- Certificate of Attendance

UNDERSTANDING ISO 50001:2018 TRAINING

GENERAL INFORMATION



DESCRIPTION

Understanding training is a two-day program that aims to give an introduction about Energy Management System (EnMS) and the benefits for organizations, and introduce the requirements of ISO 50001:2018.



EXPECTATIONS AND GOALS

By attending the program, candidates are expected to be able to:

1. Identify the key requirements and benefits of ISO 50001:2018
2. Explain EnMS definitions and concepts
3. Take steps to ensure energy management is part of the organization focus
4. Outline the application and requirements of ISO 50001:2018



WHO SHOULD ATTEND

- Individuals involved in Energy Management
- Individuals seeking to gain knowledge about the main processes of Energy Management System (EnMS)
- Individuals interested to pursue a career in Energy Management



TOPICS

- Background to Energy Management System
- Benefits of Energy Management System
- Terms and definition in Energy Management System
- Requirements of ISO 50001:2018



PROVIDED MATERIALS

- The training module and case studies
- Certificate of Attendance

IMPLEMENTATION ISO 50001:2018 TRAINING

GENERAL INFORMATION



DESCRIPTION

Implementation training is a two-day program that will help you learn to assess the effectiveness of ISO 50001:2018 implementation in your organization.



EXPECTATIONS AND GOALS

By attending the program, candidates are expected to be able to:

1. Understand the elements and operations of an Energy Management System and its principal processes
2. Acknowledge the correlation between ISO 50001 and other standards and regulatory frameworks
3. Understand the approaches, methods and techniques used for the implementation and management of an EnMS
4. Acquire the ability to interpret the guidelines of ISO 50001:2018 in the specific context of an organization



WHO SHOULD ATTEND

- Individuals involved in Energy Management
- Individuals seeking to gain knowledge about the main processes of Energy Management System (EnMS)
- Individuals interested to pursue a career in Energy Management
- Professionals seeking to master the implementation of an EnMS based on the requirements of ISO 50001:2018



TOPICS

- Introduction to Energy Management System (EnMS) concepts as required by ISO 50001:2018
- ISO 50001:2018 standard and regulation
- Planning and implementation of ISO 50001:2018



PROVIDED MATERIALS

- The training module and case studies
- Certificate of Attendance and Certificate of Success

PREREQUISITE:

Having an understanding of the requirements of the standard

CERTIFIED INTERNAL AUDITOR ISO 50001:2018 TRAINING

GENERAL INFORMATION



DESCRIPTION

Certified Internal Auditor training is a two-day program that provides the necessary input to master the skill needed by an Energy Management System auditor. The training empowers candidates to identify any gaps in their organization in accordance with ISO 50001:2018 standard.



EXPECTATIONS AND GOALS

By attending the program, candidates are expected to be able to:

1. Explain the role of an auditor to plan, conduct, report, and follow up an EnMS audit
2. Have the skills and knowledge needed to conduct internal audits against the requirements of the ISO 50001:2018 and to report and follow-up the results
3. Interpret the requirements of ISO 50001:2018 in the context of an EnMS audit



WHO SHOULD ATTEND

- Managers or consultants seeking to master an EnMS audit process
- Individuals responsible for maintaining conformance with Energy Management System requirements
- Professionals seeking to prepare for an Energy Management System audit



TOPICS

- Introduction to Energy Management System (EnMS) concepts as required by ISO 50001:2018
- ISO 50001:2018 standard and regulation
- Planning and implementation of ISO 50001:2018



PROVIDED MATERIALS

- The training module and case studies
- Certificate of Attendance and Certificate of Success

PREREQUISITE:

A basic understanding of ISO 50001:2018 (has attended Foundation Level: Awareness or Understanding training)

CERTIFIED LEAD IMPLEMENTER ISO 50001:2018 TRAINING

GENERAL INFORMATION



DESCRIPTION

Certified Lead Implementer program is a four-day program designed by our experienced tutor for you to learn how to set up an EnMS that conforms to ISO 50001:2018 standard in an organization. You will also learn how to set up policies, processes, and procedures for your EnMS.



EXPECTATIONS AND GOALS

By attending the program, candidates are expected to be able to:

1. Acknowledge the correlation between ISO 50001:2018 and other standards and regulatory frameworks
2. Understand the implementation of an EnMS in accordance with ISO 50001:2018 standard
3. Gain a comprehensive understanding of the concepts, approaches, methods, and techniques required for the effective management of an EnMS
4. Acquire the necessary expertise to support an organization in implementing, managing, and maintaining an EnMS as specified in ISO 50001:2018
5. Acquire the required expertise to manage a team implementing ISO 50001:2018
6. Develop the knowledge and skills required to advise organizations on best practices in the management of Energy Management System



WHO SHOULD ATTEND

- Managers or consultants involved in Energy Management
- Expert advisors seeking to master the implementation of an Energy Management System
- Individuals responsible for maintaining conformance with EnMS requirements
- EnMS team members



TOPICS

- Introduction to ISO 50001:2018 and initiation of an EnMS
- Plan the implementation of an EnMS
- Implementation of an EnMS
- EnMS monitoring, measurement, continuous improvement and preparation for a certification audit



PROVIDED MATERIALS

- The training module and case studies
- Lead Implementer Certificate

CERTIFIED LEAD AUDITOR ISO 50001:2018 TRAINING

GENERAL INFORMATION



DESCRIPTION

Certified Lead Auditor program aims to provide training for potential Energy Management System (EnMS) Lead Auditors and Auditors. The program is a five-day course designed by our experienced tutor for you to obtain the knowledge and skills to plan and carry out internal and third-party audits.



EXPECTATIONS AND GOALS

By attending the program, candidates are expected to be able to:

1. Acknowledge the correlation between ISO 50001:2018 and other standards and regulatory frameworks
2. Understand an auditor's role to plan, lead, and follow-up on a management system audit in accordance with ISO 19011
3. Learn how to lead an audit team
4. Interpret the requirements of ISO 50001:2018 in the context of an EnMS audit
5. Acquire the competencies of an auditor to plan an audit, lead an audit, draft reports, and follow-up on an audit in compliance with ISO 19011



WHO SHOULD ATTEND

- Auditors seeking to perform and lead Energy Management System (EnMS) certification audits
- Managers or consultants seeking to master an EnMS audit process
- Individuals responsible for maintaining conformance with Energy Management System requirements
- Technical experts seeking to prepare for an Energy Management System audit
- Expert advisors in Energy Management



TOPICS

- Introduction to Energy Management System (EnMS) and ISO 50001:2018 and initiation of an EnMS
- Audit principles, preparation, and launching of an audit
- On-site audit activities
- Closing the audit



PROVIDED MATERIALS

- The training module and case studies
- Lead Auditor Certificate

PREREQUISITE:

A basic understanding of ISO 50001:2018 (Foundation Level) and comprehensive knowledge of audit principles (Professional Level: Certified Internal Auditor training)

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CONTACT US

 (62) 21 2781 4200
 (62) 811 8468 777
 info@cbqaglobal.com

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