

Scandinavian Academy
Training Center

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Riyadh - Al Khaleej District - Sheikh Abdul Aziz Bin Abdul Rahman Bin Bishr Street - 13223 - Office No. 5 | P.O.BOX : 13224

Course: ISO 50001 Developing and Implementing an Energy Management

Code	City	hotel	Start	End	price	Language - Hours
EE-366SA	Al Baha	Hotel Meeting	2027-01-31	2027-02-04	13950 SR	En - 25

Introduction

ISO50001 is a recent addition to the portfolio of International Management Standards, as exemplified by ISO9001 (Quality) and ISO14001 (Environment). It has long been appreciated that Energy resources have impacts in terms of Cost and Environmental implications however the methodology by which these can be reduced has not always been clearly understood or applied.

As with any recognised Management system it is vital to carry out a process of developing and implementing the Standard and once functioning effectively maintain it so that it causes Continual Improvement to take place in performance. However the process of Energy Management has often been one of occasional or intermittent activity and this has not maximised the potential saving achievable. This course demonstrates that taking a standardised approach will embed Energy Management into daily activity.

- What is Energy Management?
- The need for Energy Management
- What is an Energy Management System (ISO50001)
- Energy Management System development in your organisation

- Energy Management System implementation in your organisation

- Energy workshops to develop the technical and analytical skills needed

Objectives

To make Energy Management part of any organisation’s daily best practice:

- Develop an understanding of where Energy Management fits into overall business management

- To help delegates to identify opportunities to reduce and minimise Energy usage, cost and Environmental Impact

- To provide a recognised technical and administrative approach and create a global understanding of the relevance of effective Energy Management

- To prove that quantification and appreciation of levels of, and points of energy use can make a significant difference

- To demonstrate the Energy Management is not about working harder but about working smarter!

- To keep organisations competitive

Training Methodology

The training will be presented in both PowerPoint and iMind Map seminar form with the intention of raising and answering issues pertaining to taking control of Energy usage. Each module will be supported by examples, case studies and workshop components to generate interactivity.

Organizational Impact

Any organisation providing delegates will find that participants will gain new skills and understanding not only in the process of Managing Energy effectively but also to the recognised International Standard ISO50001.

- Understanding and Recognising energy reduction opportunities
- Competency in Establishing, Implementing and Maintaining an effective Management System
- The ability to self-certify to ISO50001
- The ability to prepare for external certification
- The opportunity to demonstrate to customers and clients yet another aspect of effective organisational best practice
- International recognition and appreciation of enthusiasm for mitigating Climate Change

Personal Impact

To develop in delegates:

- An appreciation of what is Energy Management
- An appreciation of the background of where ISO50001 came from
- An understanding of the main steps that will guarantee an effective EnMS
- An ability to create effective Energy Management programme in your organisation
- Knowing how to identify energy and cost saving opportunities
- An ability to train and develop energy skills in your team

Who Should Attend?

- Energy Managers
- Energy Consultants
- Business / Organisational Managers

- Business Planners and Advisors
- Technicians
- Energy and /or Environmentally responsible individuals
- Compliance Officers and Manager

Outline

Day 1

- Drivers for reducing energy usage + Workshop
- Issues of climate change
- Identifying organisational needs and capabilities
- The opportunities to reduce energy usage + Workshop
- Energy auditing – identifying significance + Workshop
- Monitoring and Targeting
- Regression Analysis
- Cumulative Sum Calculations
- Setting realistic targets for improvement

Day 2

- Monitoring and targeting – continued + Workshop
- Preparing an internal audit of energy consuming practices + Workshop
- Analysis of collected and available energy data
- Identifying significance
- Prioritising solutions
- Analysis of Energy Data Workshop
- Daily Energy Management
- Energy Projects

Day 3

- ISO50001 components and clauses
- Energy Management Gap analysis
- Initial Seven steps
- Establishing ISO50001 + Workshop
- Implementing ISO50001
- Maintaining ISO50001
- Resources
- Staff development and training

Day 4

- Working through all of the steps and stages Workshop
- Steps 1 – 7 Exercises and Solutions
- Open Discussion

Day 5

- Internal Auditing of ISO50001
- ISO19011:2002
- Duties of Internal Auditor
- Duties of Auditee organisation
- Closing Workshop
- Final Discussion
- Revision
- Examination

The Scandinavian Academy for Training Center adopts the latest scientific and professional methodologies in training and human resource development, aiming to enhance the efficiency of individuals and organizations. Training programs are delivered through a comprehensive approach that includes:

- Theoretical lectures supported by PowerPoint presentations and visual materials (videos and short films).
- Scientific evaluation of participants before and after the program to measure progress and knowledge acquisition.
- Brainstorming sessions and practical role-playing to simulate real-life scenarios.
- Case studies tailored to align with the training content and participants work nature.
- Assessment tests conducted at the end of the program to evaluate the achievement of training objectives.

Each participant receives the training material (both theoretical and practical) in printed form and saved on a CD or flash drive. Detailed reports, including attendance records, final results, and overall program evaluations, are also provided.

Training materials are prepared professionally by a team of experts and specialists in various fields. At the end of the program, participants are awarded a professional attendance certificate, signed and accredited by the Scandinavian Academy for Training Center.

Program Timings: 9:00 AM to 2:00 PM

The program includes:

- A daily buffet provided during the sessions to ensure participants comfort.
- A closing ceremony on the final day to distribute certificates and celebrate participants achievements.
- **Note: All prices are exclusive of 15% Value Added Tax (VAT).**

Our Success Partners

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