BLACKBIRD FOR TRAINING

Energy Management System (EnMS)

4 – 8 January 2027
Barcelona (Spain)



Energy Management System (EnMS)

Ref: 3254903_181209 **Date:** 4 – 8 January 2027 **Location:** Barcelona (Spain) **Fees:** 5900 GBP

Introduction

This Energy Management System EnMS course provides participants with a comprehensive understanding of the principles, tools, and best practices for implementing and managing an EnMS in alignment with the ISO 50001 standard.

The course is tailored for energy managers, engineers, facility supervisors, auditors, and professionals involved in energy conservation, energy performance enhancement, and sustainability initiatives. Participants will learn how to develop and implement a robust energy management plan, conduct effective energy audits, and achieve continual improvement in energy use and performance.

Course Objectives

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

- Understand the core principles and framework of an Energy Management System EnMS.
- Explore the requirements of ISO 50001 and how to implement them within an organization.
- Conduct thorough energy reviews and identify areas for energy conservation and cost savings.
- Monitor, measure, and analyze energy performance indicators EnPIs to drive operational improvements.
- Develop actionable plans to support organizational energy goals and ensure continual improvement.

Course Outlines

Day 1: Fundamentals of Energy Management

- Introduction to energy management and sustainability.
- Key benefits of implementing an Energy Management System EnMS.
- Essential concepts: energy baseline, performance indicators, and energy data.
- Overview of the ISO 50001 standard framework and requirements.
- Roles and responsibilities in managing energy and driving energy performance.



Day 2: Planning an Energy Management System

- Understanding organizational context and developing an effective energy policy.
- Identifying energy aspects, legal requirements, and compliance obligations.
- Conducting an energy review and setting an energy baseline.
- Establishing objectives, targets, and energy performance indicators EnPIs.
- Developing a comprehensive energy management plan and actionable steps.

Day 3: Implementation and Operation

- Defining roles, responsibilities, and effective communication in EnMS.
- Competence building, training, and raising awareness among energy teams.
- Implementing operational controls for energy performance improvement.
- Documenting processes and maintaining control of records.
- Integrating EnMS practices into daily operations and other management systems.

Day 4: Monitoring, Measurement & Internal Audit

- Techniques for performance monitoring and data collection.
- Methods for analyzing energy data, detecting variances, and identifying improvement opportunities.
- Planning and conducting internal audits of the EnMS.
- Addressing non-conformities and implementing corrective actions.
- Conducting management reviews and using data to support decision-making.

Day 5: Continual Improvement and Certification

- Developing strategies for continual improvement of energy performance.
- Aligning EnMS with other management systems like ISO 9001 and ISO 14001.
- Preparing for ISO 50001 certification audits.
- Learning from case studies of successful EnMS implementation and best practices.
- Final workshop: creating a customized EnMS action plan for your organization.

Why Attend this Course: Wins & Losses!

- Gain a thorough understanding of Energy Management Systems EnMS and the ISO 50001 standard.
- Acquire practical skills to conduct energy audits and identify energy-saving opportunities.
- Learn how to set up an energy management plan that drives energy performance and sustainability.
- Build expertise in monitoring, measuring, and analyzing energy performance indicators EnPIs.
- Become a valuable contributor to your organization's energy goals and continual improvement journey.
- Enhance your career prospects in energy management and environmental stewardship.



Conclusion

The Energy Management System EnMS course is a crucial step for professionals aiming to enhance energy performance, reduce costs, and promote sustainability within their organizations.
With a blend of theory, practical exercises, and real-world case studies, this program equips participants with the knowledge and tools to lead successful energy conservation initiatives and achieve ISO 50001 certification.

Join this course to become a leader in energy efficiency and drive positive change towards a more sustainable and responsible future!

