



*Training Course:
BS EN 16001/ISO 50001 Development and
Implementation*

*15 - 19 August 2027
Manama (Bahrain)*

Training Course: BS EN 16001/ISO 50001 Development and Implementation

Training Course code: HE7009 From: 15 - 19 August 2027 Venue: Manama (Bahrain) - Training Course Fees: 5150 € Euro

Introduction

Energy and Carbon Management have become essential components for organizations seeking to reduce operational costs, optimize resource utilization, and minimize environmental impact. The BS EN 16001 / ISO 50001 Development and Implementation program is designed to provide participants with practical knowledge and methodologies for establishing, implementing, maintaining, and improving Energy Management Systems EnMS in accordance with ISO 50001 standards.

This course simplifies the principles of energy management and demonstrates how organizations can systematically improve energy performance, reduce waste, and support sustainability goals. Participants will gain practical insights into energy auditing, monitoring, targeting, policy development, and staff engagement while learning from real-world case studies and industry best practices.

Objectives

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

- Understand the principles and requirements of ISO 50001 Energy Management Systems.
- Identify sources of energy consumption and areas of energy waste.
- Develop effective energy management policies and strategies.
- Implement energy monitoring, targeting, and reporting systems.
- Conduct energy audits and evaluate organizational energy performance.
- Analyze energy data and establish energy performance indicators KPIs.
- Promote energy awareness and engage employees in energy-saving initiatives.
- Support carbon reduction and sustainability objectives within the organization.

Target Audience

- Energy Managers and Coordinators
- Environmental and Sustainability Professionals
- HSE Managers and Officers
- Facility and Operations Managers
- Maintenance Engineers and Supervisors
- Utility and Energy Engineers
- Quality and Compliance Professionals
- Project Managers and Technical Personnel
- ISO Management System Professionals
- Professionals involved in energy efficiency and sustainability initiatives

Training Outline

Day 1: Energy Overview

- Energy and environmental fundamentals
- Energy laws, regulations, and standards
- Introduction to ISO 50001 requirements
- Energy terminology and concepts
- Carbon emissions and environmental impact
- Energy applications in industry and facilities
- Best practices in energy management

Day 2: Energy Data & Management

- Understanding utility invoices and energy bills
- Metering systems and data collection
- Data interpretation and analysis
- Energy management reporting techniques
- Using energy data for decision-making
- Management competency evaluation
- Energy performance indicators KPIs

Day 3: Energy Auditing / Review

- Introduction to energy auditing processes
- Simple and detailed energy audits
- Management system auditing
- Process and equipment assessment
- Identifying energy-saving opportunities
- Reviewing operational efficiency
- Audit reporting and recommendations

Day 4: Monitoring and Targeting

- Monitoring energy performance using raw data
- Linking energy usage to operational activities
- Establishing benchmarks and KPIs
- Regression analysis and CuSum techniques
- Setting energy budgets and consumption targets
- Automated monitoring and targeting systems
- Reporting and performance evaluation

Day 5: People Power and Strategy Implementation

- Sources of guidance and support
- Staff engagement and awareness programs
- Building an energy-conscious culture
- Developing and implementing energy policies
- Strategic planning for energy management

- Communication and stakeholder involvement
- Partnerships and continuous improvement initiatives

Registration form on the Training Course: BS EN 16001/ISO 50001 Development and Implementation

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