



*Training Course:
Energy Management System (BS EN 16001/ISO
50001)*

*14 - 18 October 2024
Kigali (Rwanda)*

Training Course: Energy Management System (BS EN 16001/ISO 50001)

Training Course code: EW6041 From: 14 - 18 October 2024 Venue: Kigali (Rwanda) - Training Course Fees: 7140 € Euro

Introduction

Energy and Carbon Management are now seen as essential aspects of successful organizational management. The use of energy resources is fundamental to our outcomes, however often little time is given to its management and control even though the pressures are ever-present to reduce organizational costs and usage of resources plus minimization of perceived environmental impact.

Energy Management, on a day-by-day basis, is neither overly complex nor difficult once the necessary practices and methodologies, suitable for the organization, have been learned and applied.

- Understand the process of Energy Management
- Learn about the International Energy Management Standard ISO 50001
- Reduce operational costs, Carbon footprint, and Environmental Impact
- Network with others wishing to take control of this aspect of their organization
- Learn from an international Energy Management practitioner

Course Objectives of Energy Management System BS EN 16001/ISO 50001

The objectives of this course can be summarised as follows:

- To understand where energy resources come from
- To identify energy "Waste"
- To gain expertise in managing the resource once it comes on site
- To enroll all organizational colleagues in the day to day management of energy resources
- To demonstrate to all parties Customers and Suppliers the best practices being carried out

Course Benefits of Energy Management System BS EN 16001/ISO 50001

- A developed ability to identify and prioritize energy wasteful activities and practices
- A developed understanding of the contribution that can be made by every member of staff at ALL levels
- An ability to gather, process and analyze data and relate it to other aspects of organizational levels of activity
- An ability to develop and project management solutions that will enhance organizational performance
- Improved individual managerial performance and expertise

Course Results of Energy Management System BS EN 16001/ISO 50001

- Effective analysis of how where and when energy resources are employed
- The ability to create a Policy / Strategy for cost reduction
- Better personnel relationships and involvement/awareness
- Compliance with Internationally recognized business practices
- The foundation of methodologies to support future or current Carbon and Green House Gas reporting

The Core Competencies

- Develop Policies and Strategies
- Understand Objectives and Targets related to resource usage
- Recording and responding to variations from short period budgets
- Establishing effective metering approaches
- Staff development and Training

Course Outlines of Energy Management System BS EN 16001/ISO 50001

Day One

Energy Overview

- Energy & the Environment
- Energy laws, regulations, and procedures
- Energy Language
- Carbon Emissions
- Energy Standards
- Energy applications

Day Two

Energy Data & Management

- Invoices
- Metering
- Data manipulation and interpretation
- Management output
- Using data
- Evaluation Management competency

Day Three

Energy Auditing / Review

- Auditing process
- Simple Auditing
- Management Auditing
- Detailed Auditing
- Process Assessment
- Equipment and activity Assessment

Day Four

Monitoring and Targeting

- Using raw data
- Establishing connections with activity levels
- Benchmarks / KPIs
- Regression Analysis and CuSum

- Establishing budgets and targets for consumption
- Automatic Monitoring & Targeting / Reporting

Day Five

People power

- Sources of help & guidance
- Enrolling staff members
- Making Policy & Strategy work
- Partnerships
- Information / communication

Registration form on the Training Course: Energy Management System (BS EN 16001/ISO 50001)

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