Developing & Implementing an Energy Management (ISO 50001)

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. You will have:

- 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 program in your organization
- Knowing how to identify energy and cost saving opportunities
- An ability to train and develop energy skills in your team

As with any recognized 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 maximized the potential saving achievable. This course demonstrates that taking a standardized 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 organization
- Energy Management System implementation in your organization
- Energy workshops to develop the technical and analytical skills needed

Who Should Attend?

Energy Managers, Energy Consultants, Business, Organizational Managers, Business Planners and Advisors, Technicians, Energy and Environmentally responsible individuals, Compliance Officers and Manager

Course Objectives:

By the end of this course delegates will be able to:

- Develop an understanding of where Energy Management fits into overall business management
- Help delegates to identify opportunities to reduce and minimize Energy usage, cost and Environmental Impact
- Provide a recognized technical and administrative approach and create a global understanding of the relevance of effective Energy Management
- Prove that quantification and appreciation of levels of, and points of energy use can make a significant difference
- Demonstrate the Energy Management is no about working harder but about working smarter!
- keep organizations competitive

Course Outline:

- Drivers for reducing energy usage
- Issues of climate change
- Identifying organizational needs and capabilities
- The opportunities to reduce energy usage
- Energy auditing – identifying significance
- Monitoring and Targeting
- Regression Analysis
- Cumulative Sum Calculations
- Setting realistic targets for improvement
- Monitoring and targeting
- Preparing an internal audit of energy consuming practices
- Analysis of collected and available energy data
- Identifying significance
- Prioritizing solutions
- Analysis of Energy Data
- Daily Energy Management
- Energy Projects
- ISO50001 components and clauses
- Energy Management Gap analysis
- Initial Seven steps
- Establishing ISO50001
- Implementing ISO50001
- Maintaining ISO50001
- Resources

Staff development and training