

Course Overview:

The Energy Management System or EMS as we know it today had its origin in the need for electric utility companies to operate their generators as economically as possible. That there was ample cost justification for this has been demonstrated many times. At this point, I shall refer to an electric power system as consisting of generators, transmission system, and the distribution system to customer loads.

To operate the system as economically as possible required that the characteristics of all generating units be available in one location so that the most efficient units could be dispatched properly along with the less efficient. In addition, there was a requirement that the on/off scheduling of generating units be done in an efficient manner as well.

Course Objective:

- Gain access to best-practice in Energy Management
- Receive guidance on how to integrate energy management with existing ISO management systems
- Gain an understanding of Energy Management systems requirements and operational controls
- Gain an understanding of how to plan effective monitoring and measurement to enable energy efficiencies and cost-savings
- Understand how to ensure continual improvement

Course Outline:

- The Principles Of Energy Management
- Establishing And Monitoring The Energy Management System
- Setting Scope And Policy
- Energy Review
- Energy Aspect Identification
- Mapping Energy Use
- Legal Aspects
- Management Commitment
- Continual Improvement
- Monitoring And Measurement
- Operational Control
- The Certification Process

Who Should Attend:

- Organizations wishing to reduce energy costs.
- Those responsible for implementing and/or maintaining EMS systems in an organisation
- Consultants involved in the design and implementation of energy management systems

Training Language:

EN / AR

Training Methodology:

- Presentation & Slides
- Audio Visual Aids
- Interactive Discussion
- Participatory Exercise
- Action Learning
- Class Activities
- Case Studies
- Workshops
- Simulation