Energy Management System

Why do I need EnMS :-

- Most energy efficiency achieved through changes in how energy is managed rather than through installation of new technologies;
- An energy management system provides a method for integrating energy issues into existing management systems for continual improvement
- The PDCA model of management systems has proven successful for quality, health and safety, and environment (changes culture, engages management, changes behavior)

Who need it :-

ISO 50001:2011 – Energy Management System – An Overview

- ISO 50001 is based on the management system model of continual improvement also used for other well-known standards such as ISO 9001 or ISO 14001. This makes it easier for organizations to integrate energy management into their overall efforts to improve quality and environmental management

.ISO 50001:2011 provides a framework of requirements for organizations to:

- Develop a policy for more efficient use of energy
- Fix targets and objectives to meet the policy
- Use data to better understand and make decisions about energy use
- Measure the results
- Review how well the policy works, and
- Continually improve energy management.

ISO 50001   Why is it important ?

Energy is critical to organizational operations and can be a major cost to organizations, whatever their activities. An idea can be gained by considering the use of energy through the supply chain of a business, from raw materials through to recycling. In addition to the economic costs of energy to an organization, energy can impose environmental and societal costs by depleting resources and contributing to problems such as climate change. The development and deployment of technologies for new energy sources and renewable sources can take time. Individual organizations cannot control energy prices, government policies or the global economy, but they can improve the way they manage energy in the here and now. Improved energy performance can provide rapid benefits for an organization by maximizing the use of its energy sources and energy-related assets, thus reducing both energy cost and consumption. The organization will also make positive contributions toward reducing depletion of energy resources and mitigating worldwide effects of energy use, such as global warming. ISO 50001 is based on the management system model that is already under- stood and implemented by organizations worldwide. It can make a positive difference for organizations of all types in the very near future, while supporting longer term efforts for improved energy technologies.

Certification to ISO 50001

Like other ISO management system standards, certification to ISO 50001 is possible but not obligatory. Some organizations decide to implement the standard solely for the benefits it provides. Others decide to get certified to it, to show external parties they have implemented an energy management system. ISO does not perform certification.
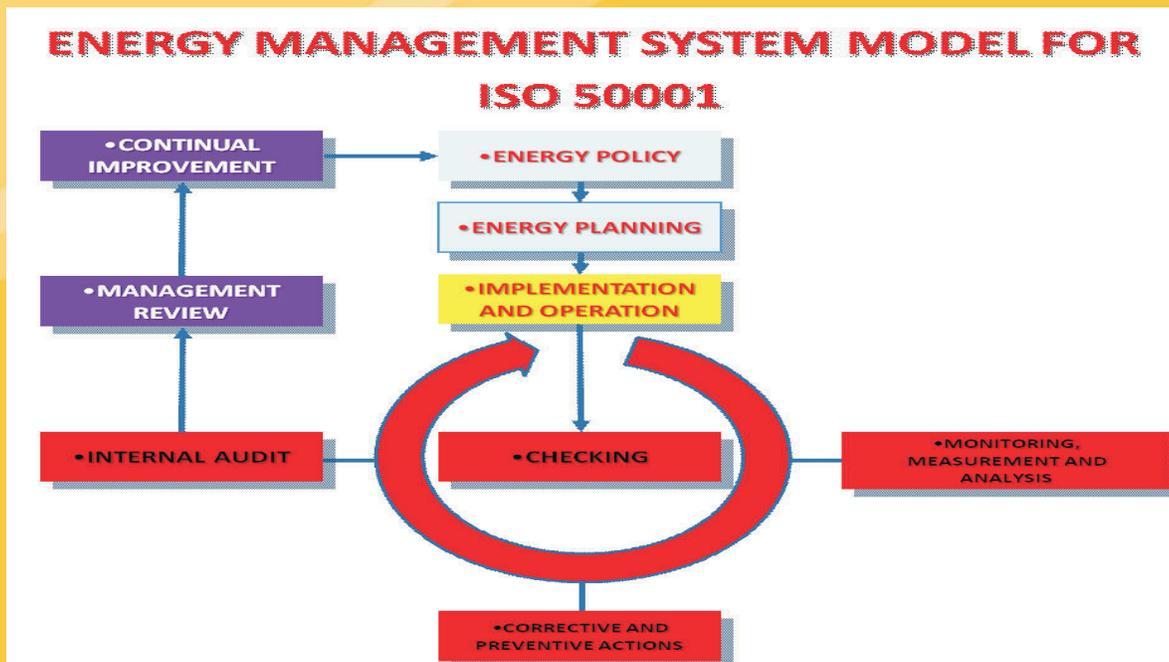
ENERGY MANAGEMENT SYSTEM

ISO 50001 Energy Management Certification Process :-

To comply with the ISO 50001 energy standard an organisation must follow and develop the following processes, policies and protocols internally:

➤
  - ➤ Management responsibility for energy management
  - ➤ ISO 50001 energy policy
  - ➤ Energy planning, review and baseline process
  - ➤ Energy KPIs
  - ➤ Energy objectives, targets and action plans
  - ➤ Energy communication and training processes
  - ➤ Energy design requirements
  - ➤ Energy documentation requirements
  - ➤ Energy operational control and emergency procedures
  - ➤ ISO 50001 energy performance monitorin

ENERGY MANAGEMENT SYSTEM MODEL FOR ISO 50001

ISO 50001 (EnMS) Benefits: -

  - ➤ Reduced overhead costs, thus increasing profitability
  - ➤ Enhanced competitiveness
  - ➤ Reducing fuel consumption
  - ➤ Increased awareness and assurance of legal, other and internal compliance re – quirements
  - ➤ Reduced emissions, such as Green House Gases, particulate matter, NOx and SOx
  - ➤ Increased efficiency of energy sources, equipment, processes and maintenance re - lated energy uses activities

Are you Looking for the Energy Management System

Call for further information at:

International Certification Services Pvt.Ltd.
Corporate Office
22/23, Goodwill Premises Swastik Estate , 178 CST Road , Kalina ,
Santacruz (E) , Mumbai -400 098 , Maharashtra, INDIA.
Tel:022 -26507777-82, 42200900, 30608900-4 , Fax: 26507778
Email: info@icspl.org / info@icsasian.com Web: www.icsasian.com / www.icspl.org