

ISO 50001 – Energy Management

Using energy efficiently helps organizations save money as well as helping to conserve resources and tackle climate change. ISO 50001 supports organizations in all sectors to use energy more efficiently, through the development of an energy management system (EnMS).

ISO 50001 can be used for certification, registration and self-declaration of an organization's EnMS. It does not establish absolute requirements for energy performance beyond the commitments in the energy policy of the organization and its obligation to comply with applicable legal requirements and other requirements. Thus, two organizations carrying out similar operations, but having different energy performance, can both conform to its requirements.

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 specifies requirements for establishing, implementing, maintaining and improving an energy management system, whose purpose is to enable an organization to follow a systematic approach in achieving continual improvement of energy performance, including energy efficiency, energy use and consumption.

The standard specifies requirements applicable to energy use and consumption, including measurement, documentation and reporting, design and procurement practices for equipment, systems, processes and personnel that contribute to energy performance.

ISO 50001 applies to all variables affecting energy performance that can be monitored and influenced by the organization. This International Standard does not prescribe specific

performance criteria with respect to energy.

The standard has been designed to be used independently, but it can be aligned or integrated with other management systems.

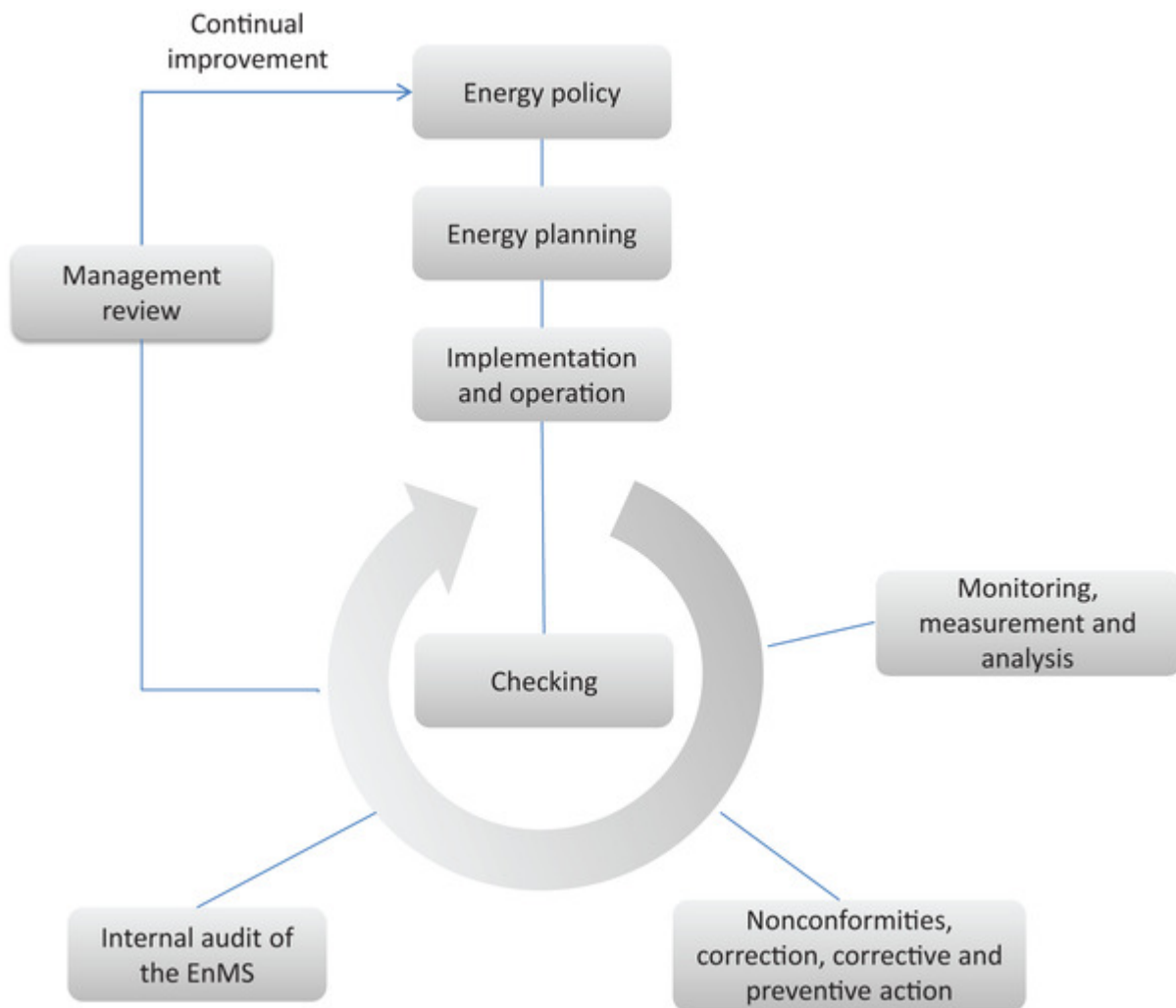
ISO 50001 is applicable to any organization wishing to ensure that it conforms to its stated energy policy and wishing to demonstrate this to others, such conformity being confirmed either by means of self-evaluation and self-declaration of conformity, or by certification of the energy management system by an external organization.

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.

The seven major components to ISO 50001 collectively follow a Plan-DO-Check-Act approach, which is shown in the following figure.



The basis of this approach is shown the following figure.



Contact us for a free no obligation assessment of how we can help you save money and improve your bottom line by effectively managing your energy costs.

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