



Energy Management Systems

ISO 50001

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ISO 50001 was developed and published with the participation of energy experts from more than 60 countries with the intent to provide structured processes for identifying energy use, recognizing the significant energy users and applying improvement programs for maximizing energy use and reducing energy costs for an organization.

In addition to cost reduction, the standard is designed to improve environmental performance through energy and associated carbon emission reductions.

The management of energy by an organization has become a significant concern due to increasing operational costs and environmental impacts. In addition, an organization's customers are continuing to ask organizations about their impacts on the environment and how they are sustainable. A key management system tool is the ISO 50001 International Standard for energy management. The standard was developed and provides a structure of energy management practices that are considered to be essential for providing responsible use of energy sources, such as electricity, natural gas, steam, etc.

Benefits

The benefits of implementing an ISO 50001 management system include:

- Reduced energy costs
- Reduced greenhouse gas emissions
- Reduction of other environmental impacts
- More efficient use of energy sources

ISO 50001 also provides the necessary management system tools to evaluate risks and opportunities related to energy use. The structured approach includes monitoring and measurement of your significant energy users, and resulting data can help identify peaks in energy use and point to areas where improvement is evident. By making informed decisions and changes the organization's energy use is optimized, and day-to-day business becomes more efficient and sustainable. In many ways, energy management becomes a way of life with the organization resulting in behavioral changes and acute awareness of energy use impacts.

Energy costs are expected to significantly reduce with resulting improvement for your customers and the environment, making this standard a win-win.

In order to accommodate and encourage businesses to focus on managing their consumption of energy, the International Standard Organization created ISO 50001, the Energy Management Systems Standard (EnMS). An EnMS enables an organization to achieve its policy commitments and take action as needed to improve its energy performance. The EnMS standard applies to all factors affecting energy use that can be monitored and influenced by the organization.