What is the ISO 50001?
This international standard for Energy Management Systems (EnMS) was released in June 2011. It specifies the requirements for an EnMS that help organizations to establish systems and processes to improve their energy performance, including efficiency and consumption.

As experience shows from both Siemens own sites as well customer installations, energy consumption can be sustainably reduced through an EnMS which builds on a framework for continuous improvement.

How can Siemens support you to implement this standard?
Based on the current situation at your plant and the goals you have set, we define a customized solution for an EnMS based on the ISO 50001. We will support you step by step to implement the requirements of the ISO 50001 including the steps leading up to and actual certification.

Preparation phase
Our auditors will conduct an assessment of your organization to rate the level of maturity of your EnMS. The assessment is carried out using a specially developed tool that reflects the experience gathered at Siemens in many such assessments.

The next step is to support you in fulfilling the criteria stipulated by the ISO 50001. This involves organizational structures, ensuring the necessary transparency from all relevant data and includes identifying quantitative saving potentials.

Value Services

Improvement of energy efficiency with an Energy Management System
A step by step approach to ISO 50001 certification

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Certification phase
We support you during the whole process leading to successful certification. By involving our experts from the beginning, you can be sure that the certification process itself is structured, smooth and effective.

Thanks to an Energy Management System based on the ISO 50001 you can:
• Quickly identify quantitative potential savings in energy and related costs
• Fulfill requirements to comply with legal regulations and/or country-specific legislation
• Qualify for incentives, identify greenhouse gas abatement potentials
• Gain transparency regarding the quality and improvement potentials of all energy relevant processes
• Improve company image with customers, partners and stakeholders in general
• Increase motivation of employees to save energy

Why Siemens?
• More efficient preparation for the certification: Siemens has successfully helped customers to fulfill the requirements of the ISO 50001. Our experts are able to deal with and navigate through even complex or unexpected aspects of achieving certification
• Industrial expertise: In addition to ensuring certification, the experts from Siemens provide additional best practice advice and practical improvement suggestions from other energy management and modernization projects
• Technical requirements: We are able to supply and install energy data acquisition systems and products needed in order to achieve the energy transparency specified by the ISO 50001
• Long-term partner for plant life-cycle services: e.g. Asset Performance Management covering improvement projects and contracting

Last but not least: With the transparency and improvement potentials identified, Siemens consultants and delivery offices worldwide can provide the local resources to define detailed concepts and implement improvement measures – of all nature and scope – and with financing solutions from Siemens Financial Services if desired.

Contact us!

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Energy management system model for ISO 50001