

Energy management system ISO 50001

kWh



Recognizing potential and cutting costs

Energy consumption is becoming an increasingly important cost factor for organizations and companies. Ongoing efforts to optimise energy consumption by means of an energy management system (EnMS) are therefore essential for achieving cost reductions. An energy management system determines and documents existing potential for improving energy efficiency and cutting costs.

Considerable potential for companies is hidden in production processes and cross-sectional technologies. The optimization of material flows, products, processes, services and user behaviour contributes to minimizing energy input.

The energy management system generates findings which serve as a basis for determining which action can be taken to save energy at what expense. It is used to assess the company's energy consumption and achieve a constant improvement of energy efficiency in conformance with legal requirements.

What is ISO 50001?

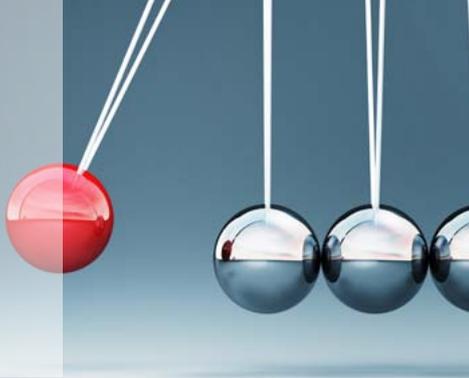
The standard describes the requirements placed on an energy management system aimed at enabling a company to systematically and continuously improve its energetic performance, taking into account the legal regulatory framework.

Expertises and field reports show that even small and medium-sized companies can realise substantial savings potential with the aid of an energy management system.

ISO 50001 is mainly based on the environmental management system standard ISO 14001 and can thus be easily integrated into the latter. The combined implementation of the two systems is thus both reasonable and recommendable.

Benefits of certification to ISO 50001

- ▶ Continuous increase in energy efficiency due to the obligation to actively influence energy consumption.
- ▶ Cost savings due to efficient energy management
- ▶ Defined energy policy serves to monitor achievement of corresponding energy targets
- ▶ Systematic guarantee of conformance to applicable laws and regulations within the scope of the company's energy consumption
- ▶ Competitive edge due to proof of a certificate
- ▶ Interested persons and organisations associate the company with the concept of environmental awareness
- ▶ Subsidies pursuant to the German Renewable Energy Act (EEG) and further tax relief can be anticipated
- ▶ Cost advantages of combined certification to ISO 14001



Steps towards successful certification

- 1 Consultation**
 - ▶ Clarification of open questions
 - ▶ Mutual definition of the next steps
 - ▶ Project brief or optional pre-audit
- 2 Document check and on-site audit**
 - ▶ Readiness analysis
 - ▶ Verification of conformity of your management system to standard requirements
 - ▶ Employee interviews
 - ▶ Implementation of documented statements in daily operations
- 3 Audit report with the following contents:**
 - ▶ Results of our evaluation
 - ▶ In the event of inconsistencies, it will provide pointers for optimisation and improvement potential with possible follow-up assessment
- 4 Certificate and DEKRA seal**
 - ▶ Award of the certificate upon successful certification.
 - ▶ Granting of the DEKRA seal for the term of your certificate

Annual monitoring to verify the maintenance and continued development of your management system

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Further services you will benefit from

Use the DEKRA Certification Service for other areas and systems, e.g. ISO 9001 or ISO 14001. We are accredited for more than 40 standards in the international field – and will be pleased to help you combine the desired certifications with little effort.

On the subject of energy the DEKRA Group also provides numerous other services:

- ▶ Energy benchmark, e.g. industry-specific classification of your consumption
- ▶ Sustainability management, e.g. ecological balance sheets
- ▶ Training, e.g. energy management specialist
- ▶ Personal certification, e.g. energy consultant
- ▶ Product testing and certification, e.g. for solid bio and secondary fuels

The DEKRA seal

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 **DEKRA**

On the safe side.