

Checklist ISO 50001 – Energy Management System



Our checklist gives you quick and easy information about whether your company is already sufficiently prepared for the certification of your energy management system (EnMS) according to **ISO 50001**.

ISO 50001 certification - Assess your energy management system correctly!

The following questions are structured according to the sequence of the basic structure for management system standards. You can mark a positive answer with a check

mark. This allows you to see at a glance in which areas your company already meets the requirements and which topics you need to deal with more intensively.

Context of the organization

You have identified external and internal issues that are relevant to your purpose and affect your ability to achieve the intended results of your EnMS and improve your energy-related performance.

You have identified the interested parties relevant to the energy-related performance and the EnMS and their relevant requirements.

You have determined both the legal and other requirements regarding your energy efficiency, your energy use and energy consumption, and ensure that these are checked at fixed intervals.

You have determined the limits and applicability of the energy management system and have not excluded any energy source within it.

Leadership

The top management has ensured that energy policy and objectives are consistent with the strategic direction of the organization.

The top management has ensured that the requirements of the EnMS are and will be integrated into the business processes of the organization.

The top management has ensured that action plans are approved and implemented and that the resources required for the EnMS are available (including the formation of an energy management team).

The top management has ensured that the Energy Performance Indicators (EPis) represent the energy-related performance in an appropriate manner.

The top management has defined an energy policy that includes a commitment to the continuous improvement of the energy-related performance and the EnMS.

Planning

You have determined the risks and opportunities that will ensure that the EnMS can achieve its intended results, including the improvement of the energy-related performance and the prevention of unwanted effects.

You have planned measures to deal with potential risks and opportunities.

You have set measurable energy targets that take into account the significant energy consumers (main consumers).

You have established action plans to evaluate the measured energy targets, including the process to verify the improvement of energy-related performance

When carrying out the energy assessment, you have analyzed the energy input and consumption on the basis of measurements and other data.

You have identified the main consumers when carrying out the energy evaluation on the basis of the analysis.

For each significant energy consumer, you have determined the relevant variables and the current energy-related performance and identified the persons performing activities that affect or influence the significant energy consumers.

You have identified and prioritized opportunities for improving the energy-related performance.

You have estimated the future energy use and energy consumption.

You update the energy assessment at specified intervals and also as a result of major changes in installations/locations, facilities, systems, or energy-using processes.

You have identified EPIs that are suitable for measuring and monitoring your energy-related performance and will allow you to demonstrate an improvement in energy-related performance.

You have defined the EnB (Energetic Baseline) using the information from the energetic evaluation.

You have identified relevant variables that have a significant impact on energy-related performance and have normalized the EPI values and the corresponding EnBs accordingly.

You have ensured that the main characteristics of your activities that affect energy-related performance are identified and measured, as well as monitored and analyzed at scheduled intervals.

Support

You have determined the required competence for internal employees and external representatives who influence the energy-related performance of the organization and the EnMS and ensure appropriate training and further education.

You have determined the need for internal and external communication in relation to the EnMS.

You have defined, marked and directed the documented information required by the standard.

Operation

You have planned, implemented and controlled the processes associated with your significant energy consumers that are necessary to meet the requirements and to implement the defined goals and measures.

You have considered possibilities for improving energy-related performance and operational control in the design of new, modified, or renovated plants/sites, facilities, systems and energy-using processes.

Evaluation of performance

You have determined what needs to be monitored and measured.

You evaluate the improvement of energy-related performance by comparing the EPI values with the corresponding EnBs.

You investigate major deviations in the energy-related performance and react to them.

You assess compliance with legal and other requirements regarding their energy efficiency, energy use, energy consumption and the EnMS.

You carry out internal EnMS audits at scheduled intervals.

The top management will evaluate the EMS at scheduled intervals to ensure continued suitability, appropriateness, effectiveness and alignment with your organization's strategic direction.

Enhancements

You respond to non-conformities and take the necessary measures to eliminate the causes.

You have proven the suitability, appropriateness and effectiveness of your EnMS and the continuous improvement of the energy-related performance.

**We support you in the successful certification of your energy management system according to ISO 50001.
Contact our experts today!**

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