

# ISO 50001

## Self-assessment questionnaire



### How ready are you?

This document has been designed to assess your company's readiness for an ISO 50001 Energy Management System certification assessment. By completing this questionnaire your results will allow you to self-assess your organization and identify where you are in the process in relation to the main requirements of the standard.

#### Basic energy-related project information

Number of energy sources (Qty)	1 to 2 <input type="checkbox"/>	3 <input type="checkbox"/>	≥ 4 <input type="checkbox"/>	
<i>(Note this includes ALL sources of energy, e.g. electricity, gas, coal, compressed air, steam, LPG, Fuel oil, as well as renewables (e.g. solar))</i>				
Number of Significant Energy Uses (SEUs)	≤ 5 SEUs <input type="checkbox"/>	6 to 10 SEUs <input type="checkbox"/>	≥ 16 SEUs <input type="checkbox"/>	
Annual energy consumption (TeraJoule, TJ)	≤ 200 TJ <input type="checkbox"/>	200 TJ ≤ 2,000 TJ <input type="checkbox"/>	2,000 TJ ≤ 10,000 TJ <input type="checkbox"/>	> 10,000 TJ <input type="checkbox"/>
Number of EnMS effective personnel (i.e. personnel who materially impact the EnMS)	<input type="text"/>			

#### Commitment and policy

Has the organization defined and documented the scope and boundaries of its energy management system?

Does the policy define the scope and boundaries of the energy management system?

Has the organization determined and documented how it will meet the requirements of the standard in order to achieve continual improvement?

Is the policy appropriate to the nature and scale of, and impact on, the organization's energy use?

Does the policy include a commitment to continual improvement in energy efficiency?

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## Commitment and policy – *continued*

Does the policy include a commitment to ensure the availability of information and all necessary resources to achieve objectives and targets?

Does the policy provide a framework for setting and reviewing energy objectives and targets?

Does the policy include a commitment to comply with all applicable requirements relating to its energy aspects?

Is the policy documented and communicated to all personnel working for, or on behalf of, the organization?

Does the organization commit itself to periodically reviewing and updating the policy?

Is the policy made available to the public?

## Planning

### Energy aspects

Has the organization conducted an initial review of its energy aspects?

Are energy aspects reviewed and updated at predefined intervals?

Are significant energy aspects prioritized?

Does the organization maintain a register of opportunities for improving energy efficiency?

Are reviews of energy aspects documented?

### Legal

Has the organization identified and have access to the applicable legal and other requirements which apply to its energy aspects?

Has the organization determined how these requirements apply to its energy aspects?

### Energy objectives, targets and programs

Has the organization established and documented measurable energy objectives and targets at the relevant function and levels within the organization?

Has the organization set specific targets for those controllable parameters that have a significant impact on energy efficiency?

Has the organization established and documented energy management programs which define responsibilities and the means and time frame by which individual targets are to be achieved?

## Implementation and operation

### Resources, roles, responsibilities and authorities

Has the organization's top management ensured that any necessary resources are allocated?

Are roles, responsibilities and authorities defined, documented and communicated?

Has the organization's top management designated a management representative with full responsibility and authority for the energy management system?

### Awareness, training and competence

Is the management representative appropriately competent and qualified in energy and energy efficiency improvements?

Are all personnel working for, or on behalf of, the organization aware of the energy policy and energy management program?

Are all personnel working for, or on behalf of, the organization aware of how their activities and behavior contribute to the achievement of energy objectives and targets?

Are all personnel working for, or on behalf of, the organization aware of their roles and responsibilities in achieving the requirements of the energy management system?

Are all personnel performing tasks which can cause significant impacts on energy consumption competent on the bases of appropriate education, training and/or experience?

Are training needs associated with energy management identified?

### Communication

Does the organization communicate internally with regard to its energy performance and the energy management system?

Has the organization decided to communicate externally about its energy performance and the energy management system?

Where the organization has decided to communicate externally, has it established and documented an external communication plan?

### Energy management system documentation

Has the organization described the core elements of the energy management system and their interaction?

Has the organization identified the location of related documentation?

## Implementation and operation – *continued*

### Control of documents

Does the organization control records and other documents to ensure that they are traceable, current, available and protected?

### Operational controls

Does the organization have controls in place that prevent situations that could lead to deviation from the energy policy, objectives and targets?

Does the organization set criteria for the operation and maintenance of installations, equipment, buildings and facilities?

Does the organization inform suppliers that purchasing is partly evaluated on the basis of energy efficiency?

Does the organization include the evaluation of energy consumption when considering the design, change or restoration of assets which have the potential to affect energy consumption?

## Checking

### Monitoring and measuring

Has the organization established the monitoring, measuring and targeting requirements of its energy management program?

Does the organization have a demonstrable plan for improving the provision of meters?

Does the organization monitor, measure and record significant energy consumption and associated energy factors at defined intervals?

Are records maintained that demonstrate the accuracy and repeatability of monitoring and measuring equipment?

Does the organization assess and review the relationship between the energy consumption and its associated energy factors and defined intervals?

Does the organization maintain records of all significant accidental deviations from expected energy consumption, including causes and remedies?

Does the organization compare its energy performance indicators against similar organizations or situations?

### Evaluation of compliance

Does the organization periodically evaluate its compliance with legal and other obligations?

Does the organization maintain records of compliance against legal and other requirements?

## Checking – *continued*

### Nonconformity, corrective action and preventive action

Does the organization investigate nonconformance, initiate corrective and preventive action in a suitable manner within a specified time limit and retain all relevant documentation?

### Control of records

Does the organization maintain records to demonstrate conformity to the requirements of the energy management system and the standard?

Are the controls needed for record management defined?

Are records maintained in a legible, identifiable, traceable and readily retrievable manner, in accordance with an established retention period?

### Internal audit

Are audits of the management system scheduled and carried out at planned intervals?

Are staff conducting audits independent from the activity being audited?

Are audit results documented and reported to top management?

Is action following audits taken without undue delay?

Are follow-up activities verified and the results of verification reported?

## Review of the energy management system

Is the energy management system reviewed by top management at planned intervals?

Are records of management reviews maintained?

Do the reviews identify decisions and actions relevant to the improvement in the energy performance of the organization, changes to the energy policy, objectives and targets and allocation of resources?

Are results of the management review communicated to people in the organization?

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