

GOOD PRACTICES IN SME

Implementing the ISO 50001 standard



Designed by freepik

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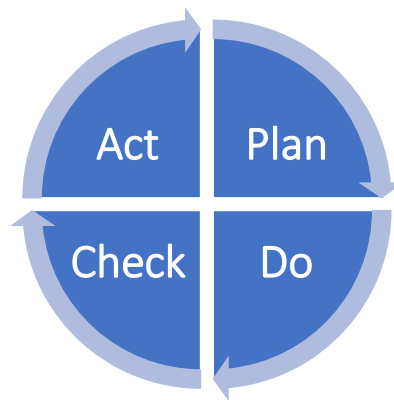
What is the ISO 50001 standard?

The ISO 50001 standard on management systems includes recommendations concerning the creation of systems and processes necessary for improving energy efficiency in companies and decreasing their energy consumption. Moreover, the introduction of a global standard is meant to decrease CO₂ emissions and decrease the negative effect on the environment.

What is a PDCA cycle?

The PDCA cycle (Plan-Do-Check-Act) is meant to introduce energy management into everyday organizational practices.

1. Plan: this element of the cycle reminds of the necessity for an energy overview, developing energy efficiency indicators, aims, actions and plans need to achieve the desired effects of the organizations energy policy.
2. Do: the second element of the cycle consists of implementing the planned actions.
3. Check: the processes and key actions must be monitored on a regular basis and the achieved effects must be reported.
4. Act: The last element of the cycle emphasises the need for continuous action for the improvement of the organization's energy efficiency.



How to conduct an energy overview?

To get an energy overview an organization should analyse the use and consumption of energy based on measurements and available data by identifying current energy sources and evaluating the future and current energy consumption profiles.

Based on the energy consumption analysis the organization should identify areas of significant energy consumption – that is buildings, appliances, systems, process and personnel. Next it must identify the dependant variables which influence the energy consumption and evaluate future energy use and consumption.

The organization should set priorities and identify opportunities for improving energy efficiency. The improvement potential of the organisation's energy score can also concern the use of renewable energy sources or heat recovery.

How to define the action plan?

To define the action plan the organization should:

- Designate people responsible for each area of the plan,
- Define the time frame and resources needed to achieve individual goals,
- Develop methods and action of improving the organization's energy score,
- Describe a method for verifying effects.

The action plan should be documented and updated at defined time intervals.

Training is worth it!

To ensure the proper implementation of the ISO 50001 standard in the company, it could be worth it to take part in an appropriate training on the standard's requirements. This will enable the thorough understanding of the standard's guidelines and adapting them to the company's business area of expertise.

We also encourage you to read the extended description of the ISO 50001 standard on its website <https://nape.pl/pl/iso-50001-rozszerzony-opis>.

Source: KAPE based on: ISO 50001 standard

