

SUSTAINABLE ENERGY
SET@Work
 TECHNOLOGY AT WORK

Certified energy management systems

Review of Energy Aspects

www.setatwork.eu

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Course structure

1. Introduction
2. Organisation and planning
- 3. Review of energy aspects**
4. Target and Monitoring
5. Training and communication
6. Purchase and project design
7. Management review

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Agenda

- Requirements
- Data
- Breakdown of energy consumption
- Review of energy aspects
- Sources for inspiration

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Requirements

- Review of energy aspects defines priorities for improving energy performance
- Is based on past and present energy consumption data
- Energy consumption shall be associated with data on production levels and/or other factors that would have affected energy use;
- Must identify areas of significant energy consumption, in particular of significant changes in energy use
- Must provide an estimate of the expected energy consumption during the following period

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Requirements contd.

- Acts as identification of opportunities for improving energy performance
- Identifies all persons working for and on behalf of the organization whose actions may lead to changes in significant energy consumption;
- Results from previous energy management programme (if applicable) are included in the review
- Must identify necessary changes to the energy management programme for the following period

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Data required

- Energy bills and invoices
- Meter readings
- Production data
- Legal requirements including EU-ETS
- Organisational aspects
- Review procedure for ranking aspects

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Identify the core process needs

The invoice

Core energy needs

Good housekeeping
 Operation & maintenance
 Control
 Equipment
 Process
 Energy service

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Review of energy aspects

- Who can provide the data for assessing consumption?
- Which data are available
- Which data can be/are measured?
- Which data must be calculated?
- How is significant energy user defined?

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Sources for inspiration

- Technical department
- Maintenance
- Production
- Financial department
- Environmental department
- Guidance tools on the web
- Energy agencies

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The end

Thank you for your attention

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