



# En 16001 energy management systems





## Overview

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The EN 16001 standard which came into force in July 2009 defines standardised EU-wide criteria for an energy management system. Energy management systems help to increase energy efficiency in companies and organisations. The document follows the headings in the I. The preceding European standard EN 16001 already contributed to significant improvements, newly adapted to ISO 50001. The guidelines are intended to support organisations of any type, size and sector in the implementation of an energy management system according to. For many, the answer is an Energy Management System (EnMS) - a framework for the systematic management of energy.



## En 16001 energy management systems

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### **BS en 16001**

An EnMS based on BS EN 16001 involves defining energy policies and objectives, identifying significant energy uses, implementing energy efficiency procedures, monitoring energy consumption, and ...

### **BS EN 16001:2009**

This standard specifies requirements for establishing, implementing, maintaining and improving an energy management system. Such a system takes into account legal obligations with which the ...



### [Energy Management Systems in Practice](#)

Energy management and energy management systems Energy management includes all the measures that are planned and implemented to ensure minimum energy consumption for the current activity.<sup>6</sup>

### [EN16001 Technical guideline Rev 2.0formattedfinal](#)

This document has been prepared to describe technical information that organisations could present in applying for approval of their energy management systems under the Energy Management Systems ...



## Energy Management Systems in Practice

1 nAVIGAtIONPlan-Do-Check-Act:Practical examples:IntEGRAtION Of EnMSManagement systemsEnergy management and energy management systemsAdvantages of an energy management system2. Environmental protection3. Sustainable management1. Plan2. Do3. Check4. ActPractical example (adapted):A PIANEnergy consumption - Energy conversionThe following steps should be followed during the planning stages:ExAMPIE Of An ORGAnISAtIONAI CHART FOR An EnERGY EFFICIEnCY tEAMExAMPIARY POSItIONS AnD RESPOnSIBIlItIESSUPPORt PROGRAMMES - ExAMPIES3. Review consumption, costs and production of energyThese can be, for example:EnERGY fLOW WItHIn tHE COMPANyCONSUMPtIONR EnERGY CONvERSION fACTORS5. Energy objectives and targetsHere are a few starting points:Evaluated dataEnergy objectives6. Develop action plansEstablish action plansDocumentation of the action plansb DO2. for a successful EnMS, focus on raising and building awareness3. facilitate employee trainings and professional developmentExpand your spectrum of training measures with energy-relevant training:tHE fOLLOWInG ASPECTS Of tHE EnMS SHOULD bE COMMUnICAtED5. Document and monitor your EnMStYPICAI PROCESSES In A COMPANyEnergy-conscious design:Energy-conscious procurement:The following aspects must be considered during a regular review:Monitor and measure the results of your EnMS regularlyThe following aspects should be part of the regular monitoring:When conducting the internal audit, the auditor shall:6. Get your EnMS reviewed by the top management (Management board)Re-certificationLiterature tipExternal communicationCOMPANy DATA4.3.



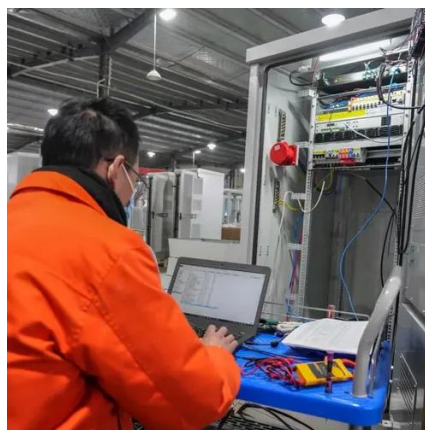
Energy policy Requirements ISO 14001:2009 4.2. Environmental policy What should additionally be done with an existing ISO 14001? 4.4.1. General 4.4.2. legal and other requirements 4.4.6. Energy objectives, energy targets and energy management action plans Requirements ISO 14001:2009 4.3.2. legal and other requirements 4.3.3. Objectives, targets and programme(s) 4.5.2. Competence, training and awareness 4.5.3. Communication 4.4.2. Competence, training and awareness 4.4.3. Communication Requirements ISO 14001:2009 4.5.4.1 Documentation requirements Control of documents 4.5.5. Operational control 4.5.6. Design 4.5.7. Procurement of energy services, products, equipment and energy 4.6. Checking Requirements ISO 14001:2009 4.6. Operational control 4.6.1. Monitoring, measurement and analysis 4.6.2. Evaluation of legal and other requirements 4.6.3. Internal audit of the EnMS 4.5.1. Monitoring and measurement The procedure must include: 4.5.2. Evaluation of compliance 4.5.5. Internal audit and preventive action 4.6.5. Control of records non-conformity, corrective action and preventive action 4.5.4. Control of records 4.7.1. General 4.7.2. Input to management review 4.7.3. Output from management review What should additionally be done with an existing ISO 14001? EMAS No general item legal and other requirements Corresponds to EMAS environmental review Operational control Control of records For this guide, a navigation system has been developed to make it easier for you to find important information. The following navigation support is provided: See more on adelphi Scribd

## **BS en 16001 - Energy Management Systems - BSi**

An EnMS based on BS EN 16001 involves defining energy policies and objectives, identifying significant energy uses, implementing energy efficiency procedures, ...

[Lakshy Management Consultant Pvt. Ltd.](#)

Providing BS / EN 16001 consulting, Training and Certification facilitation services across the world.



### DIN EN 16001: Energy Management Systems in Practice

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### DIN EN 16001: Energy Management Systems in Practice

ISO 50001:2011, Energy Management Systems Requirements with Guidance for Use, adopted in June 2011, is the international standard for energy management systems.



### **ENERGY MANAGEMENT ISO 50001**

A key way to achieve this is through implementation of an energy management system framework based on standardized best practice such as ISO 50001 / BS EN 16001.

### BS EN 16001:2009 Energy Management



## System

BS EN 16001 specifies requirements for an energy management system in order to enable you to develop and implement a policy and objectives which take into account legal requirements and ...



## **EN 16001 Energy Management Systems**

The standard specifies the requirements for an EnMS to enable your organization to develop and implement a policy, identify significant areas of energy consumption and target energy reductions.



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