SABS

ENERGY MANAGEMENT SYSTEMS
SANS/ISO 50001

Contents

1. Introduction

Energy is critical to organisational operations and can be a major cost to organisations, whatever their activities.

In addition to the economic costs of energy to an organisation, energy can impose environmental and societal costs by depleting resources and contributing to problems such as climate change.

Individual organisations cannot control energy prices, government policies or the global economy, but they can improve the way they manage energy in the here and now. Improved energy performance can provide rapid benefits for an organisation by maximising the use of its energy sources and energy-related assets, thus reducing both energy cost and consumption.

An effective Energy Management System (EnMS) is one that adopts a holistic view of economic development, and strives to balance financial gains with sustainable use of the environment and its natural resources.

The effectiveness of a company's energy management system is always illustrated through its objectives in striving to reduce its impact on the atmosphere, land, water and biodiversity.

Additionally, seeking certification of one's energy management system provides security for a company's operations to access markets and assurance that the system is audited accordingly and thus is internationally recognised.

2. What is an Energy Management System

An energy management system helps organisations to better manage their energy use. It involves developing and implementing an energy policy, setting targets for energy use and designing action plans to reach them. This can include implementing new energy efficient technologies, reducing energy waste or improving current processes to cut energy costs. SANS/ISO 50001, Energy Management Systems – *Requirements with guidance for use* gives organisations a recognised framework for developing an effective energy management system.

3. SANS/ISO 50001 provides a set of requirements that enable organisations to:

01
Develop a policy for more efficient use of energy

02
Fix targets and objectives to meet that policy

03
Gather data to better understand and make decisions concerning energy use and consumption

04
Measure the results obtained

05
Review the effectiveness of the policy

06
Continually improve energy management

5. Certification benefits when implementing SANS/ISO 50001

SANS/ISO 50001 is designed to help organisations improve its energy performance through making better use of its energy consuming assets. Improved energy performance can provide rapid benefits for an organisation by maximising its use of energy sources and energy-related assets, reducing both cost and consumption.

SANS/ISO 50001 is used by large and small organisations all over the world. It is about reducing the environmental impact, enhancing reputation and the aim is to drive down costs.

Leading companies around the world include sustainability in their integrated reporting. SANS/ISO 50001 gives a company the baseline and mechanism to define and track energy management for sustainability reporting to their stakeholders.

4. Why choose SABS for Certification

01
We have a proven track record, having worked with over 5 000 companies globally, from small and medium sized businesses, to big companies and we have been in business for more than 70 years.

02
The SABS works in partnership with industry experts, government bodies, trade associations and consumer groups to gain the widest possible market and industry view to shape standards to meet the challenges facing organisations today.

03
SABS Commercial (Pty) Ltd, a wholly owned subsidiary of SABS, is accredited by SANAS to offer SANS/ISO 50001 certification and our experienced auditors can help your organisation to become certified.

04
We provide end-to-end support, offering you a one stop shop that includes focused training programmes in integrated management systems i.e
SANS 9001, SANS 14001,
SANS 45001 and
SANS 50001 and a country wide service in training auditors

6.Preparing for Certification

Before applying for certification the following should be established:

- Management that is committed, involved, focused and responsive.
- Employees who are organised, responsible, authorised, competent, empowered and knowledgeable in quality principles and priorities.

To get the above in place you will need to:

01 Understand SANS/ISO 50001

02 Involve executive management and make them understand the concepts and obtain their commitment

03 Establish an energy management steering committee

04 Train management and employees that will be directly involved in the implementation of SANS/ISO 50001 in your company

05 Communicate a certification implementation plan to all employees in the company

06 Create self-assessment questions

07 Identify the organisations' key processes and the interactions with each other and the customer

08 Establish SMART objectives that drive the business.

09 Establish an energy management manual and relevant procedures

10 Establish an internal auditing system

11 Measure compliance with the procedures and other documents

12 Establish a comprehensive corrective action plan

13 Conduct a management review

14 Review results and act appropriately

Preparing for Certification

- Obtain SANS/ISO 50001 standard *(standardsales@sabs.co.za)*
- Understand the requirements of SANS/ISO 50001
- Involve executive management and make them understand the concepts and obtain their commitment
- Train management and employees that will be involved in the implementation of SANS/ISO 50001
- Establish an energy management steering committee
- Communicate the certification implementation plan to all employees in the company
- Create self-assessment questions and identify any gaps
- Determine internal and external issues relevant to the context of the organisation
- Determine the needs and expectations of interested parties
- Identify the organisation's activities, products, services and key processes, as well as the interactions these have with each other
- Establish an internal auditing programme
- Measure conformance and compliance with the documented information and requirements
- Plan actions to address risks and opportunities
- Conduct a management review
- Establish a comprehensive corrective action plan
- Review results and act appropriately
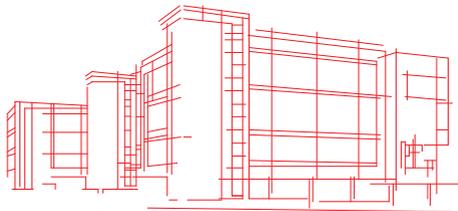
7. Training Solutions

The SABS Training Academy continues to bring to your doorstep quality education, training and development. We actively assist industry in creating an overall awareness of quality and the environment, and provide a country wide service in training quality system auditors.

All our courses are accredited by the Services SETA (Registration No. 99) in order to ensure relevant education, training and development that will maximise the return on your investment. In addition, some of our SANS/ ISO 9001 and SANS/ISO 14001 courses are accredited by SAATCA.

Courses in ISO 50001 include:

Introduction to energy management systems (EnMS) –- SANS 50001, and

Understanding and auditing of energy management systems (EnMS) – SANS 50001.

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