



# ISO 50001

## ENERGY MANAGEMENT SYSTEM

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With more organisations taking into consideration the increased cost of energy and climate change, it is necessary that organisations learn to become environment conscious by adopting an energy management system - a key to reduce energy consumption and improving energy performance in organisations.

An effective ISO 50001 management system can help organisations to increase energy efficiency, reduce cost and improve on overall energy related practices whilst creating a positive impact on your company image in the business community and with prospective customers.

## WHAT IS ISO 50001 STANDARD

ISO 50001 is an internationally recognised and integrated set of processes and tools to develop a holistic energy reduction strategy through the implementation of an energy management system.

ISO 50001 establishes a framework for industrial plants, commercial, institutional, and governmental facilities as well as entire organisations to improve energy efficiency management and reinforce good energy management behaviours. ISO 50001 can also assist facilities in evaluating and prioritising the implementation of new energy-efficient technologies. ISO 50001 consists of common elements that can be found in other ISO management system standards, hence ensuring a high level of compatibility with other management systems such as the ISO 9001 (Quality Management System) and ISO 14001 (Environmental Management System) standards.

## PRINCIPLES OF ISO 50001 STANDARD

ISO 50001 specifies requirements for establishing, implementing, maintaining and improving an energy management system. The purpose of ISO 50001 is to enable an organisation to achieve continual improvement in their energy performance through a systematic approach.

ISO 50001 specifies requirements applicable to energy use and consumption, including measurement, documentation and reporting, design and procurement practices for equipment, systems, processes and personnel that contribute to energy performance.

The ISO 50001 standard is based on the Plan-Do-Check-Act methodology which encourages the organisation to put in place actions to reduce and monitor energy use. The following steps form the basic structure of ISO 50001.

**Plan:** Conduct the energy review and establish the baseline, energy performance indicators (EnPIs), objectives, targets and action plans necessary to deliver results in accordance with opportunities to improve energy performance and the organization's energy policy.

**Do:** Implement the processes.

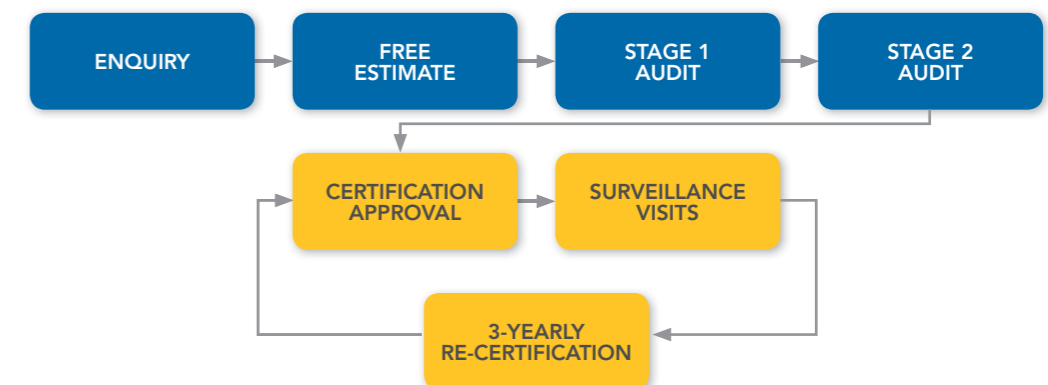
**Check:** Monitor and measure processes against energy policy and objectives, and report the results or take any necessary corrective action.

**Act:** Take actions to continually improve energy performance.

## BENEFITS OF ISO 50001 STANDARD

- Increase energy efficiency thus reducing cost
- Reduce environmental impacts
- Increase level of assurance of legal and internal compliance
- Identify the types of variables that are affecting energy use
- Increase profits through reducing excessive costs
- Uphold best practices by reinforcing proper energy management processes
- Encourage commitment within the organisation by introducing a systematic approach on sustaining of energy efficiency

## YOUR ROUTE TO CERTIFICATION



## SERVICE TAILORED TO YOUR BUSINESS

At DAS, we provide a certification service to satisfy your business by:

- Programming audit dates to suit your business requirements;
- Matching auditor skills to your company, products, processes and services;
- Utilising our own independently certified ISO 50001 Energy Management System Auditors and Technical Specialists;
- Applying an open-book approach to auditing; and
- Identifying the areas within the ISO 50001 Energy Management System that add most value to your organisation.

## WHY DAS ?

At DAS, we believe in certification service with a partnership approach. Building and sustaining a positive and supportive relationship with our clients is at the heart of our working principle.

With a team of highly competent system auditors , we provide the confidence that organisations are seeking, implementing a framework by taking a systematic approach to manage their business processes meeting customer and regulatory requirements.

“...can help organisations to increase energy efficiency, reduce cost and improve on overall energy related practices...”