ISO 50001: Energy Management System Standard

www.konsys-international.com
What is ISO50001? - Plan - Do - Check - Act

The solution ISO 50001 is providing a complex management strategy to public and private sector organizations enabling them to reduce costs, increase energy efficiency and improve energy performance.
The aim of the standard is to offer organizations a recognized framework whereby they can integrate energy performance into their management practices. Achieving a harmonized standard of implementation even across multinational organizations using a logical and consistent methodology to identify and implement improvements.

**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 energy management action plans.

**Check**: monitor and measure processes and the key characteristics of its operations that determine energy performance against the energy policy and objectives and report the results.

**Act**: take actions to continually improve energy performance...etc.
What is ISO50001? - Plan - Do - Check - Act

• Energy policy top management’s official statement of the organization’s commitment to managing energy
• Cross-divisional management team led by a representative who reports directly to management and is responsible for overseeing the implementation of the energy management system
• Energy review to assess current and planned energy use, energy sources and consumption and identify opportunities for improvement
• Baseline(s) of the organization’s energy use
• Energy performance indicators (EnPIs) that are unique to the company and are tracked against the baseline to measure progress
• Energy objectives and targets for energy performance improvement at relevant functions, levels, processes or facilities within an organization
• Action plans to meet those targets and objectives
• Operating controls and procedures for significant energy uses
• Measurement, management, and documentation for continuous improvement for energy efficiency
• Internal audit of progress reported to management based on these measurements.
AVReporter Energy Management Software is designed to record measurements, monitor the tendencies of key indicators, create reports providing an outstanding and flexible analytical tool serving the „CHECK” requirements of the ISO 50001 in determining the energy performance against the energy policy and objectives, reporting, recording and storing the results, aiding the strict documentation policy.

Due to its very sophisticated and detailed reporting facility AVReporter can be used on many different levels within an organisation. Different values, reports and analytical information will be needed and monitored by top level management, by the engineers and by the energy managers- AVReporter’s flexible customisation fully supports this demand.
AVReporter as a must have tool in the ISO 50001

Continuous Development

Management Review

Energy Policy

Energy Planning

Adapting, Implementing and Operating

Checking

Internal Audit

Monitoring, Measurement and Analysis = AVReporter

Corrective and Preventive Action
AVReporter and ISO 50001 Benefits

• Works from large to small organizations across diverse commercial, industrial and public sectors
• Improved cost savings
• Helps to achieve energy efficiency & compliance
• Reduced environmental impact – carbon & GHG
• Coordinating energy programs (Energy Efficiency, Energy Production, Renewable Energy and Alternative Energy)
• Facilitates external financial incentives (Electric utility, third party financing, tax benefits and others)
• Builds energy management into business practices
• Optimize energy-consuming assets
• Improves operations and capital cost decisions
• Facilitates energy management best practices
• Improves the ability to benchmark, measure and report energy intensity improvements
• Improves transparency and communication on the management of energy resources
• Helps in evaluating and prioritizing new energy-efficient technologies
• Framework for promoting energy efficiency throughout the supply chain
Thank You!

www.konsys-international.com