

ISO 50001 能源管理标准

ISO 50001, ENERGY MANAGEMENT STANDARD



ISO 50001 能源管理标准

能源短缺已经成为人类所面临的重要挑战之一。随着经济不断发展，企业间的竞争变得十分激烈。企业家需要思考如何有效降低运营管理成本，从而增强企业的可持续竞争能力。建立“有效并持续改进”的管理能源机制的方法，可以帮助企业减少能源消耗，从而达到降低运营管理成本的目的，并且增强其可持续发展能力。

自 2000 年起，世界各国已陆续发布了各自的能源管理规范或标准，目前运用比较广泛的有

- 欧盟 DIN EN 16001:2009 能源管理体系要求
- 中国 GB/T 23331-2009 能源管理体系
- ISO 50001:2011 能源管理系统要求与指南

ISO 50001:2011 将补充已发布的 ISO 9001 质量管理体系和 ISO 14001 环境保护体系标准，并能与质量及环境体系高度兼容。该标准将影响全球 60% 的能源用户，并将为公共和私有机构提供相关的管理策略，从而提高能效，减少成本，提高能效性能。

德国莱茵 TÜV，您值得信赖的合作伙伴

- 德国莱茵 TÜV 的专家能确保为您的生产过程进行有效的能源及低碳管理
- 我们拥有强大的全球服务网络，把握全球能源及碳管理要求的主要政策，并提供一站式的认证服务
- 我们协助组织机构执行能源管理体系，并组织或进行产品温室气体查验
- 我们让通过检测的每一件产品都降低能源消耗，确保产品对人类和环境产生更小影响

ISO 50001 Energy Management Standard

Energy shortages have become a major challenge facing most populations today. With the development of global economy, competition amongst companies has become increasingly intense. Firms often think about how to reduce operations management costs effectively and enhance corporate competitive capability sustainably. Establishing a sustainable, effective and improved energy management system can directly help enterprises to achieve the goal of reducing operations management costs with comparatively less investment.

Various countries have issued energy management standards since 2000. The followings are applied extensively

- Europe: DIN EN 16001:2009
- China: GB/T 23331-2009
- International: ISO 50001:2011

The ISO 50001:2011 standard will supplement the ISO9001 quality management system and ISO14001 environmental protection system standards and is highly compatible with other national quality and environmental systems. The standard will affect 60% of energy consumers worldwide, and provide related management strategies to public and private organisations alike, thereby improving energy efficiency, reducing costs and enhancing energy efficiency performance.

TÜV Rheinland is your reliable partner

- Our experts will ensure that you have an effective energy and low-carbon management system in place during the manufacturing process
- We have a powerful global service network, understand the major energy and carbon management policies, regulations and requirements all over the world and can provide a one-stop testing and certification service
- We assist institutions and other organisations in implementing energy management systems and organising or conducting the greenhouse gas testing of their products
- We identify areas in which the energy consumption of the products we test could be reduced, in line with our mission to ensure that products have the least possible impact on human health and the environment

我们的服务

德国莱茵 TÜV 能为企业提供能源绩效测量、建立能源计划等方面的增值服务，并帮助组织或机构执行及改进能源体系管理，包括

- ISO 50001:2011 能源管理体系认证服务
- 能源审计
- 能效提升
- 节能减碳一体化评估服务
- 人员能力及资格培训
 - 标准解读与应用培训
 - 内审员与主任审核员培训
 - 节能减碳应用与实践培训

Our services

TÜV Rheinland provides value-added solutions to help organizations implement and improve energy system management, including

- ISO 50001:2011 certification
- Energy audit
- Energy efficiency solutions
- Integrated assessment service
- Skills and qualification training
 - Standard understanding
 - Internal auditor and Lead auditor training
 - Energy saving application and practice training

ISO 50001 能源管理系统模式

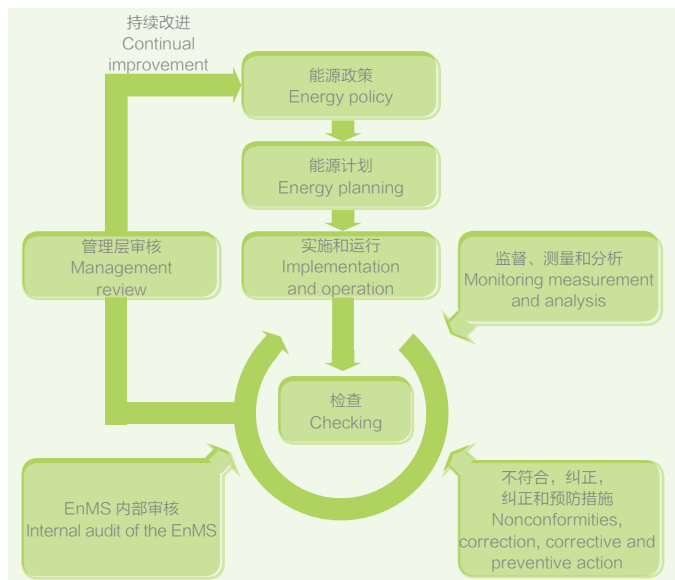
ISO 50001:2011 可分为以下各个单元，组织可针对其自身状况，独立建立或与既有管理系统（如 ISO 9001, ISO 14001 等）结合运作

- | | |
|--------|---------|
| ■ 一般规范 | ■ 实施与运营 |
| ■ 管理责任 | ■ 检查 |
| ■ 能源政策 | ■ 管理审查 |
| ■ 能源计划 | |

Based on its own situation and requirements, an organisation can independently establish the standard or implement it in combination with existing management systems such as ISO 9001 or ISO 14001 in the following arenas

- | | |
|-----------------------------|--------------------------------|
| ■ General requirements | ■ Implementation and operation |
| ■ Management responsibility | ■ Checking |
| ■ Energy policy | ■ Management review |
| ■ Energy planning | |

ISO 50001 Energy Management System model



适用范围

ISO 50001:2011 标准针对组织的能源管理工作，可广泛适用于包括服务业、汽车业、电子信息业、钢铁业等诸多行业。

Applied scope

The ISO 50001:2011 EnMS standard and requirements with guidance for use, is aimed at energy management and energy solutions at the organisational level, and is applicable to a wide range of industries, including the service industry, automobile industry, electronic and information technology industry and the steel industry.