

EU Energy Efficiency Directive

Comply with upcoming legal obligations and increase the energy efficiency of your enterprise.

The European Union is facing unprecedented challenges resulting from increased dependence on energy imports, scarce energy resources and the need to limit the effects of climate change. Energy efficiency is a valuable means to address each of these challenges.

Siemens supports businesses and public entities in meeting the legal obligations. Our experts offer all-in-one solutions including the implementation of measures to improve energy efficiency performance.

Background

The European Energy Efficiency Directive 2012/27/EU (EU-EED) establishes a common framework of measures for the promotion of energy efficiency in the European Union. With this Directive, the EU Commission aims at ensuring the achievement of the European Union's 20 percent target on energy efficiency increase by 2020 compared to projections, and to set a basis for further improvements beyond that date.

The directive lists a number of policies and measures for governments, energy suppliers and enterprises. The different implementation of the EU-EED in the EU member states is a significant challenge, especially for multinational companies.

Until now, the directive is only partially transposed into national legislation of the member states.

The challenge

Under Article 8 of the EU-EED, large enterprises employing at least 250 persons or exceeding an annual turnover of €50 million and having a balance sheet above €43 million are required

- to execute energy audits of their operations, carried out by accredited auditors at least every 4 years, or
- to implement an energy management system according to ISO 50001 or equivalent.

The first compliance period ends in December 2015.

While bearing the potential of significant benefits on long-term cost effectiveness and sustainability, this provision forces large companies to take immediate action for short-term compliance. Especially multinational enterprises and companies with a multitude of sites in EU member states are significantly impacted by this obligation.



EU-EED advisory services

Support in decision-making process

- Status quo analysis
- Cost-benefit analysis

System implementation

- Energy audits (EN 16247)
- Energy management system (ISO 50001)

Ongoing Services

- Energy efficiency projects
- Implementation and financing
- Monitoring and reporting

Our offerings

Siemens consultants advise you in deciding for the most cost-effective “route to compliance” under the EU-EED and the respective national legislation. They closely monitor the developments in the EU and the member states and guide you to achieve the highest value while meeting the regulatory obligations in your countries of operation.

Our offerings include

- a country-specific assessment of your obligations under the EU-EED-related legislation,
- a thorough cost-benefit analysis of the different options for your operations throughout Europe,
- guidance and support during the implementation process, independently whether you decide for execute individual energy audits or the implementation of a certified energy management system according to ISO 50001.

Your benefits

Benefit from our EU-wide approach and know-how regarding the different domestic regulations, energy markets and funding programs on energy efficiency. Siemens experts have extensive experience in implementing energy management systems and in performing corresponding energy audits with highly qualified and certified auditors. With our services you will not only be able to meet the upcoming obligations but also create a solid basis for the identification of optimization potential and the reduction of your energy costs.

Consequently, Siemens supports you in developing corporate energy efficiency and sustainability programs which may contain the following services:

- realizing and financing energy saving measures,
- implementing an energy monitoring and controlling system maintained by the web-based service platform Navigator from Siemens,
- continuous optimization of building performance by permanent control of technical facilities.

Highlights

- Compliance with European and national energy efficiency regulation
- Increase in transparency of energy data
- Identification of efficiency potential
- Implementation of optimization measures
- Sustainable reduction of energy costs and environmental footprint

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