

ENERGY EFFICIENCY



„The most important thing about the first step is the direction – not the distance.“
Greek Saying



Energy efficiency services for energy supply companies

Within the context of the new European Energy Efficiency Directive, energy suppliers and network operators are obliged to make energy efficiency improvements. When new facilities are installed suppliers and operators are called on to present prospective cost-effectiveness analyses for the integration of highly efficient cogeneration units or district heating and cooling plants.

As an energy supplier you can benefit from the new regulations by offering your customers customized service products for improving their energy efficiency.

Novel energy efficiency products for your commercial and industrial customers will help you win new customers and strengthen existing customer relationships in the long term. After all, these new services will help your customers realise significant cost savings and thrive in the market.

Certified energy management system in accordance with DIN EN ISO 50001

Following the reform of the German Renewable Energy Sources Act (EEG), the introduction of energy management systems in accordance with DIN EN ISO 50001 remains essential for industrial enterprises with power consumption rates above 5 GWh that

want to continue drawing benefits from a reduction of the EEG apportionment in the special compensation scheme.

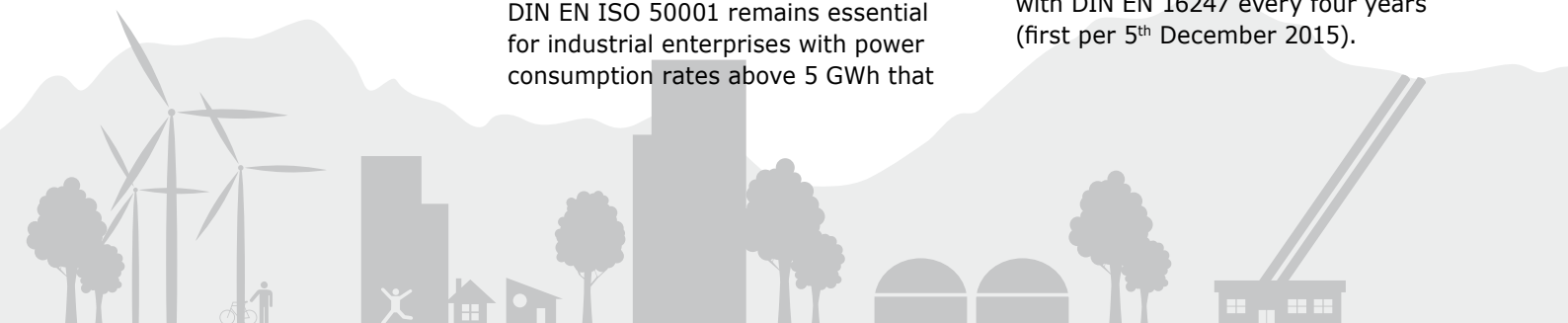
According to the amendment to the German Energy and Electricity Tax Act, a cap on the German eco-tax – the so-called “Spitzenausgleich” – can only be granted to companies that generate energy savings. They must introduce an energy management system in accordance with DIN EN ISO 50001 or an environmental management system in accordance with EMAS.

Energy audits in accordance with DIN EN 16247-1 and alternative EMSes

In the future the “Spitzenausgleich” tax-cap for SMEs will be granted in a procedure that is less complicated than the DIN EN ISO 50001 approach. This applies if proof can be provided for either:

- Regular energy audits in accordance with DIN EN 16247-1
- The introduction of an alternative energy management system as stipulated in Appendix 2 of SpaEfV.

Large-scale enterprises that have not yet introduced an EMS compliant with DIN EN 50001 or EMAS are obliged to conduct energy audits in accordance with DIN EN 16247 every four years (first per 5th December 2015).





Our services

In close collaboration with our partners, we provide support services for the effective implementation of new requirements in the energy efficiency domain.

Energy management systems in accordance with ISO 50001

- Take stock by registering useful data and drawing up the balance for additional energy data
- Carry out an energy assessment and documentation of optimization measures
- Draft a set-up and process flow description, including documentation in a management handbook
- Support for and execution of internal audits
- Accompany external certification process
- Ongoing monitoring

Energy audits in accordance with DIN EN 16247 for SMEs and large-scale enterprises

- Definition of system boundaries and energy targets
- Plant walk down with survey of significant inputs and energy consumers
- Determination of energy saving measures
- Prioritisation of defined measures
- Compilation of relevant audit reports
- Performance of annual audits
- Compilation of possible subsidies
- Implementation of optional repeat audits for continuous efficiency enhancement

Alternative EMS in Appendix 2 of SpaEfV for SMEs

- Collection and analysis of energy carriers and consumers
- Evaluation and documentation of potential savings
- Prioritisation of defined measures

- Development of an implementation road-map with the management board

In addition, we will support you by

- Preparing application for the tax cap at the Central Customs Office and
- Limiting the EEG apportionment at the German Federal Office of Economics and Export Control (BAFA)

Energy efficiency services for energy supply companies

- Identify and draw up balances for the status quo (baseline)
- Evaluate and select new service products together with the associated customer target groups
- Set up transparent systems for monitoring savings and introduce the new products
- Provide communication support in the context of distribution and marketing strategies

Selected References

Energy management systems in accordance with DIN EN ISO 50001:

- Manufacturer of construction machinery, Bayernwerk Natur, Goodyear Dunlop Tires Germany (Site Hanau), Meissen Keramik, Helmut Ratschiller Spezialbrote, Schwan-STABILO Cosmetics

Energy audits in accordance with DIN 16247-1 at 45 sites for various companies, including

- Bayer Gastronomie, Emsland Group, E.ON Energy Projects, EPSON EUROPE ELECTRONICS, Hausbank München, Indus Holding (including around 20 associated companies like AURORA Konrad G. Schulz, OBUK Haustürfüllungen, REMKO Klima- und Wärmetechnik), Münchner Bank

Tax cap applications ("Spitzenausgleich") and limiting EEG apportionment

- Meissen Keramik, erdgas schwaben

Support for strategic positioning of German energy supply company concerning the EU energy efficiency directive

Development of energy and climate strategies with identification, evaluation and planning measures for services for various companies