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DEESME

National schemes for energy efficiency in SMEs



Guiding SMEs and national authorities through the energy transition by taking profit of multiple benefits and energy management approaches

Dear readers,

Welcome to this second issue of our newsletter! If you missed the first one, [you can find it here](#): it introduced DEESME's concept, objectives and activities.

What happened since then? Over a year since the project start, we have released several publications, on the policies and multiple benefits of energy audits and management approaches, we provided guidelines for national authorities to overcome the challenges of article 8 of the Energy Efficiency Directive, and much more. We have uploaded a freely-accessible tool supporting the implementation of the multiple benefits approach and organised, collaboratively with 6 other Horizon 2020 projects, an event during the EU Sustainable Energy Week ***Towards a decarbonized Europe: Increasing energy efficiency in SMEs for clean energy transition***. The material and recording are available.

What is coming next?

We hope that the DEESME proposed multiple benefits approach will motivate SMEs to see energy management from a new perspective that connects energy efficiency to business development and improvement. Training activities and many events are in the pipeline to transfer the work we have been doing this past year.

This newsletter contains valuable content for national authorities and other policymakers as well as for companies, do not hesitate to make it travel to share our work.

Stay tuned and enjoy reading!

Ivana Rogulj (IEECP), DEESME project coordinator



PUBLICATIONS



Please note that below publications are still subject to the European Commission's approval.

It is quite common for energy saving measures to be evaluated in terms of direct short-term economic return. On the other hand, other consequent benefits in various management areas (environment, safety at work, business attractiveness, productivity, etc.) are rarely considered and evaluated. [This guideline intends to provide consultants in the energy sector and business managers with useful information to enhance the multiple benefits approach, i.e. to include non-energy aspects in the Energy Management System \(EnMS\) and identify and enhance the benefits obtained.](#) The report analyses the relationship between ISO50001:2018, the ISO 50000 series standards and other standards for the management of non-energy aspects that may be involved in interventions in the energy field such as ISO 14001, 46001, 45001 and other technical standards based on the High Level Structure. It focuses on the implementation of the multiple benefits approach, with explanations, guidelines, suggestions and examples.

[View the report](#)

Monitoring concept

DEESME assists SMEs to develop and test the technical project solutions in information and training initiatives, realising energy audits, and implementing energy management systems starting from international standards and considering the multiple benefits of energy efficiency. [The report presents how DEESME will monitor the results and impact of the work](#) (number of energy efficiency measures triggered by the project, the corresponding investments and environmental impact, etc.). It specifies how the successful use and application of the DEESME tools will be monitored. It includes a description of the KPIs, their operationalization and data requirements to determine them, an overview of the data collection process, a presentation of the templates used for data collection, a bundle of information on the practical implementation of data collection for each partner and a description on how the collected data will be processed.



The multiple benefits approach of energy audits

Companies, especially SMEs tend to disregard the implementation of energy efficiency measures because they cannot discern the direct business benefit they will gain from them.

[This report presents the integrated multiple benefits approach that expands the scope of energy audits and energy management systems beyond the traditional financial and technical concerns and seeks to relate identified measures with the multiple business and non-energy benefits that can come along energy efficiency.](#)

The approach is based on the concept of the business model that is used both as a diagnostic tool and as a business design tool for the advancement of business sustainability.

[Read more in a short article written to link the report and our tool.](#)



**authorities in enhancing
the uptake and
implementation of energy
audits and energy
management systems**

The DEESME project aims to enable the National Authorities of selected EU Member States or their national implementing bodies to enhance the uptake and implementation of energy audits and/or management systems within companies according to Article 8 of the Energy Efficiency Directive (EED). [This article compiles a series of four documents elaborated in DEESME, supporting them in addressing challenges in the national implementation of Art. 8 EED per country.](#) It links to 10 national guidance documents with best practices needed for the implementation of Article 8 of the EED, now available in the national languages, for Austria, Bulgaria, Croatia, Finland, Greece, Ireland, Italy, Poland, Slovenia and Spain.

To read more about the reports separately, dedicated articles are available, see below.



DEESME releases new reports on best-practice on energy audits, energy management and multiple-benefits policies

Shaped from the [inventory report of needs and requirements of national authorities \(NAs/IB\)](#), DEESME releases a report with relevant insights about the best practices needed in terms of policies for energy audits, energy management and multiple-benefits of energy efficiency. [The report aims at paving the way for developing proposals on how to respond to 10 identified challenges, derived to enable the analysis of current practices in the MSs, regarding the uptake and implementation of energy audits and/or EMAS within companies. For each challenge, a thorough analysis was conducted to identify current practices in EU-27 MS.](#) Eventually, the report highlights a few suggestions on how NAs could support the uptake of energy efficiency measures in companies, spreading the concept of “Multiple benefits approach” in an empowered management framework for companies further.



Focus on the guidance for national authorities on overcoming challenges in the implementation of Article 8 EED

[This guidebook supports National Authorities in the EU Member States in the implementation of Article 8 of the EED, based on information collected from November 2020 to June 2021 by DEESME.](#) NAs were asked about their challenges and requirements in the implementation and enforcement of Article 8 EED. Based on their responses, a list of common, generalized challenges was established and potential solutions and good practice from implementations in other European Member States researched. This document provides the results, targeted at implementers in the NAs, and shall help them reflect upon established processes and to consider potential solutions as realized in other Member States. It is structured along 11 challenges: 6 with a focus on non-SMEs requirements according to Article 8 EED and 4 with a focus on encouraging SMEs. In addition, the potential role of non-energy benefits (NEBs) is also covered. For each challenge, sub-challenges were derived, for which specific solution strategies are presented. A separate page is dedicated to each solution strategy, in which there is a checklist that may support the reflection of NAs, as well as good practice examples intended as inspiration. Further

Challenge overview

Eleven generalized challenges with regard to the implementation of energy audits and energy management systems based on the requirements of Article 8 of the EED were identified. These challenges were derived from a literature review, a survey, and interviews conducted with NAs and their implementing bodies in the 27 Member States (MS) of the EU. Six challenges target non-SMEs, four challenges are targeted at SMEs, and one challenge deals explicitly with NEBs across both company types.



DEESME Overcoming challenges in Art. 8 EED

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Challenge overview



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COMING SOON: Trainings! A first report sets the stage

DEESME partners are planning, for 2022, the trainings addressing companies (especially SMEs) wishing to reduce their carbon footprint by implementing energy efficiency measures. The trainings will aim at raising awareness about energy audits and energy management systems and share recommendations as well as best practices for companies / SMEs to become more sustainable. [Eager to know more? Check our training guidelines](#) : they describe the training material that will be used to raise awareness and the interest of business and energy managers. The objectives are:

- **Raising awareness** of the DEESME multiple benefits approach and increasing the interest of business and energy managers.
- **Developing understanding** of the DEESME multiple benefits approach as a method for considering energy efficiency investments from a strategic perspective.
- **Explaining** how to take profit from energy efficiency by assessing the multiple benefits that can derive from energy efficiency.
- **Developing the capacity/ skills** for the implementation of the DEESME multiple benefits approach.
- **Achieving preparedness for the implementation** of the DEESME multiple benefits approach

TOOL



energy efficiency and sustainability in the business model analysis. To put the business model into effect, a company needs to carry various processes and activities. These, in conjunction with the related resources and capabilities and their coordination along the company’s value chain, will deliver the business value.

The business modelling analytical framework serves as a diagnostic tool for the description and understanding of the ‘business logic’, the current business situation, practices and objectives and provides the basis for the multiple benefits analysis that spans energy auditing beyond energy efficiency and relates it to the attainment of the general business objectives.

The DEESME methodology incudes 4 stages:



The **business model analysis** demonstrates the underlying business logic and the business priorities for the creation of value and the improvement of business efficiency;



The **energy efficiency analysis** reveals the opportunities for energy efficiency and reduced energy emissions;



The **multiple benefits analysis** recognizes and evaluates business benefits that expand the scope of energy management and relate energy efficiency decisions to business development;



The **business model sustainability advancement** searches for opportunities for business model innovation and improvement through the advancement of business sustainability.

The DEESME multiple benefits approach suggests that energy efficiency can bring several benefits that go beyond energy and cost savings and can be related to the business model innovation and improvement. [Next to the methodology, DEESME provides a tool in the form of a spreadsheet file that will guide and provide structure to the proposed multiple benefits approach. Each step of the procedure is developed in a separate sheet of the spreadsheet file.](#)

ARTICLES

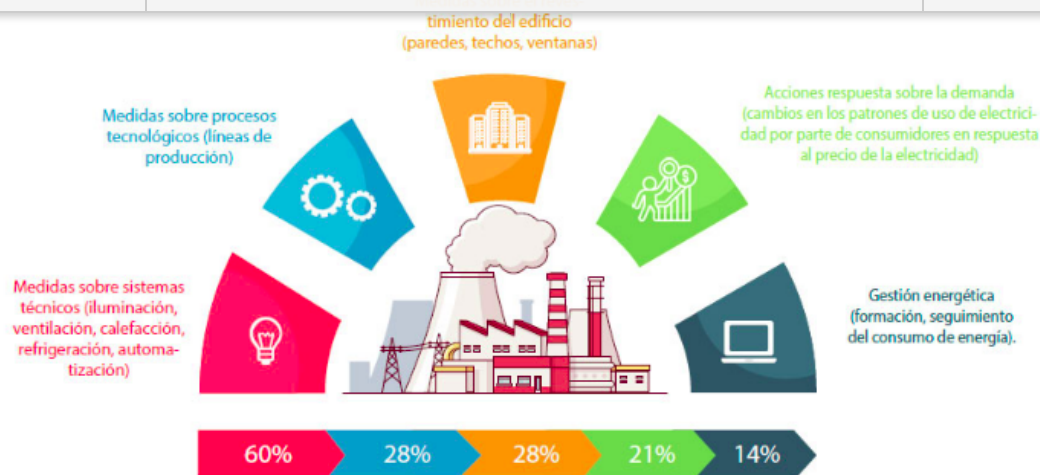


International recognized sustainable Energy Management System (EnMS): ISO 50001



The EC proposes a new Energy Efficiency Directive (EED): changes in Article 8 concerning energy audits





In a joint article with sister projects Innoveas, SMEmpower, E2driver, ICCEE and Triple A, and under the lead of the Speedier project, which just came to an end, we explore all crucial measures for companies, especially SMEs, to become more energy efficient.

The article is available in Spanish and English

- [Formación, desarrollo de políticas corporativas y auditorías energéticas, claves para el éxito de las medidas de eficiencia energética en pymes](#)
- [Training, the development of corporate policies and energy audits, keys to the success of energy efficiency measures in SMEs](#)

NEWS FROM THE SISTER PROJECTS



EUSEW session - Increasing energy efficiency in SMEs for a clean energy transition – Event material

[Building on the results of 7 EU-funded projects](#) – DEESME, E2DRIVER, ICCEE, INNOVEAS, SMEmPOWER, SPEEDIER and Triple-A-, this session provided guidelines and good practice to implement energy efficiency solutions and to facilitate the energy transition.

SMEs have a high untapped energy saving potential which can be unlocked by overcoming structural, market and financial barriers. Attendees heard about available services, tools and policies that can unlock considerable amounts of energy/cost savings and assist in achieving emission targets.

The session focused on three key aspects of energy efficiency improvements in SMEs around Europe:

- Barriers and opportunities in implementing energy efficiency solutions,
- Best practices and case studies, such as trainings, tools, services etc.,
- Policies to enhance the implementation of energy efficiency measures in SMEs in the upcoming years.

[All material are now available.](#)

Save the date! ICCEE final conference – April 7, 2022, Wels (Austria)

The aim of ICCEE is to bridge the inefficiencies in the cold supply chain stages, increasing the energy efficiency and the energy culture of food and beverage manufacturing industries, warehouses, cold storage and logistic operators. It has also enhanced the awareness towards energy efficiency and sustainable supply chain initiatives at every organisational level, from top

supply chains, and training courses to increase the supply chain energy efficiency in the food and beverage sector and implement real energy efficiency measures and investments. [Discover the methodology, tools, capacity building and practical experiences in food and beverage cold supply chains gained by attending the ICCEE final event and obtain the free toolbox for replication in your projects.](#)

PAST EVENTS

- [SME program for energy efficiency: The SPEEDIER final conference, material available](#)
- [DEESME Policy Workshop on Article 8 of the EED: overcoming national challenges on energy audits: article with key findings available](#)
- These days, DEESME is a partner of the ENLIT Milano event – together with other 130 projects! <https://www.enlit-europe.com/online-calendar/enlit-europe-2021>

EXTERNAL RESOURCES



Energy efficiency measures towards SMEs – a policy brief from ODYSSEE-MURE

- Why is improvement of SME energy efficiency important?
- What kind of energy efficiency policy measures include SMEs?
- Who are the stakeholders involved in improving SME energy efficiency?

Accelerating the implementation of energy efficiency measures by SMEs could lead to substantial energy savings and generate significant economic benefits for sector, [read more in this ODYSSEE-MURE briefing](#).

No net zero without SMEs: exploring the key issues for greening SMEs and green entrepreneurship – new OECD paper

[This paper from the OECD shows why there will be no net zero without SMEs and how vital it is for climate and environmental policies to support entrepreneurs and SMEs so that they can contribute to a green and inclusive transition.](#) SMEs are rising up to reduce their environmental footprint but face big challenges adapting to climate policies. DEESME can cope with this issue by supporting national authorities with guidelines and tools for policies



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