

TOWARDS A DECARBONISED EUROPE:

Increasing energy efficiency in SMEs for clean transition

Erudino Llano Güemes, 19/10/2021,
9:00 AM

Reasons

The main reason why this session is important:

- SMEs have a high **untapped energy saving potential** which can be unlocked by overcoming structural, market and financial barriers.

Objective

The aim of this session is to provide guidelines and good practice to:

- Implement **energy efficiency solutions**.
- Facilitate the **energy transition**.

Key Aspects

There are three key aspects of energy efficiency improvements in SMEs around Europe:

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

Parts of the event

- **Presentation of the projects**, Erudino Llano Güemes, E2DRIVER project.
- **Engagement of stakeholders**, Ivana Rogulj, DEESME project.
- **Implementation of Energy Efficiency in SMEs**, Mara Corbella, INNOVEAS project.
- **Policies related with Energy Efficiency in Europe focused on industry and SMEs and ways to improve it**, Padraig Lyons, SPEEDIER project.
- **Round table**, Grigoris Papagiannis, SMEmPower project.
Filippos Dimitrios Mexis, TRIPLE-A.

Projects

DEESME

DEVELOPING NATIONAL SCHEMES
FOR ENERGY EFFICIENCY IN SMES



Objectives:

- Enable companies to manage the energy transition by taking profit of multiple benefits and energy management approaches.
- Support the development and the implementation of EU policies on energy efficiency in the framework of art. 8 of EED beyond the project by providing national authorities with guidelines proposals and recommendations on how to strengthen the national schemes.
- Enhance the adoption of the DEESME approach by National Authorities beyond the project timeline through the implementation of institutionalization activities.

Target market:

- National Authorities
- SMEs


Partners:

IEECP, FIRE, SOGESCA, Fraunhofer, Cleopa GmbH, SEDA, ECQ, KAPE, Energy Efficiency.

Projects

E2DRIVER	TRAINING ON ENERGY AUDITS AS AN ENERGY EFFICIENCY DRIVER FOR THE AUTOMOTIVE SECTOR	
<p>Objectives:</p> <ul style="list-style-type: none"> • Develop a collaborative-cooperative training platform boosting the automotive supply industry collective intelligence on energy efficiency. • Enable the development of specific training plan itineraries based on the company's needs and trainees' role in the company, which will increase the effectiveness of the training sessions and the awareness on energy issues among the staff. • Be tested and validated in 40 companies from the automotive supply industry in four countries that represent over 50% of the EU employees in this sector: Spain, France, Italy and Germany. • Certify a total of 60 trainers in E2DRIVER training methodology, which will ease the replication of the project results and the business consolidation of E2DRIVER platform. 		
<p>Target market:</p> <ul style="list-style-type: none"> • SMEs from the automotive industry. 		<p>Partners:</p> <p>CIRCE, Fraunhofer, POLITO, SINERGIE, ENGIE, EPROPLAN, SERNAUTO, AEN, MESAP, MOV'EO, EPC, MERIT.</p>

Projects

ICCEE	Improving Cold Chain Energy Efficiency	
<p>Objectives:</p> <ul style="list-style-type: none"> • Design and deliver a dedicated cold supply chain energy efficiency tool to support the decision making processes of the supply chain companies in estimating their energy saving potential. • Promote and facilitate investments in the viable energy efficiency improvement measures estimated with the tool. • Create a capacity building program and a community dedicated to exchange experiences in cold chains' sustainability, supporting the change in the energy culture of companies and improving their energy performance through both direct training and e-learning. 		
<p>Target market:</p> <ul style="list-style-type: none"> • SMEs in the cold chains of the food and beverage sector. 		<p>Partners:</p> <p>UNIBS, IEECP, FIRE, Adelphi, ATEE, Fraunhofer, RTU, ESCAN, SPES GEIE, Romalimenta, ANEPKO, USTUTT, ECSLA.</p>

Projects

Innoveas

INNOVating the uptake of Energy Auditing Schemes for SMEs



Objectives:

- Consolidate a structured, permanent and expandable offer to help develop continuous self-sustainable services to raise awareness and build capacity in the field of energy auditing and related energy saving measures in SMEs.
- Design and deploy staff trainings and capacity building programmes to enhance corporate policy towards energy efficiency, energy culture and sustainable supply-chain initiatives.
- Identify and analyze the enabling conditions and non-technical barriers hindering the adoption of energy auditing practice.
- Systematise awareness raising procedures to overcome the psychological and organisational barriers to energy audits in SMEs, deliver a training offer to SMEs and formulate a capacity building programme targeting stakeholders.
- Create an institutional structure to sustain the project's objectives and results and lay the basis for the creation and consolidation of a pan-European network of enablers likely to support in the coming years the growth and expansion of the training offer to on energy efficiency for European business.

Target market:

- SMEs in Construction, Chemical and Food Processing sectors.

Partners:

IIPLE, Confindustria Bergamo, Dr. Jakob Energy Research, UTBW, A3E, NAPE, LEAG, ESCI, K&I, CKA.

Projects

SMEmpower

A holistic framework for Empowering SME's capacity to increase their energy efficiency



Objectives:

- “Empower” SMEs to undergo energy audits and implement their proposals.
- Train 720 experts and apply their acquired knowledge to at least 160 pilot installations as practical action.
- Train a total of at least 800 SME persons.
- Reach 24.87 GWh/year primary energy savings and trigger at least 4 mil € of investments.
- Ensure that barriers to energy efficiency projects are removed by teaming between energy professionals and decision makers, Enable better implementation of energy-efficiency policies and enhance the digitalization of industry towards the fourth industry revolution.
- Promote, enable and support the Energy experts to use effective tools for energy optimization, new technologies and processes towards energy efficiency, in collaboration with top decision makers –CEOs, CFOs etc.

Target market:

- SMEs

Partners:

AUTH, TEES, SGZ, UTC, OEB, SERVELECT, ENERGIADA, UPV, Adelphi, UOWM.



National schemes for energy efficiency in SMEs



Projects

SPEEDIER

SME Program for Energy Efficiency through Delivery and Implementation of Energy Audits



Objectives:

- Facilitate the uptake of energy audits and implementation of the resulting energy conservation measures in SMEs in each of the 4 pilot regions by offering a programme of outsourced energy management.
- Demonstrate the effectiveness of the self-financing mechanism as a means of driving investment in energy conservation measures among SMEs and large enterprises.
- Enhance the energy culture of SMEs through a series of engagement awareness and capacity building activities leading to SMEs that are fully aware of the multiple benefits of energy auditing.
- Demonstrate the SPEEDIER Service as an innovative & effective tool in SMEs and large enterprises.
- Increase the skills of the key market stakeholders that will enable the long-term delivery of the SPEEDIER Service beyond the end of the project.

Target market:

- SMEs and large enterprises.

Partners:

IERC, Sustainable Innovations,, TUS, CTA, PCT, Politecnico di Milano, ITeC, TFC, AEEPM.

Projects

Triple-A

Enhancing at an Early Stage the Investment Value Chain of Energy Efficiency Projects



Objectives:

- Make energy efficiency investments more **transparent, predictable** and **attractive** for investors / financiers and project developers.
- Provide **Standardised Triple-A Tools** and **Benchmarks** to effectively **assess sustainable energy investments** and integrate energy efficiency in investors and financiers' overall investments strategy.
- Identify "**Triple-A**" energy efficiency investments, aiming to reduce the respective time and effort required at the crucial phase of the **investments conceptualization**, as well as to **increase efficiency** of respective **decision making**

Target market:

- Financing Bodies
- Companies/ Project Developers
- Policy Makers and Policy Support Institutes
- Researchers and Academia in Business and Techno – economic Fields
- Other: Technology suppliers, property valuers, real estate agents, Technical chambers

Partners:

EPU-NTUA, ABN AMRO, IEECP, JRC, GFT, CREAMA, ADELPHI, PB, UPRC, SEVEN, VIPA, NTEF.



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Contact Us



EMAIL

ellano@fcirce.es

WEBSITE

<https://www.fcirce.es/>

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