



Energy Transition Audits Towards Decarbonization

EnTRAINER Press Release #3 – The Journey So Far

The year 2024 was a crucial one for EnTRAINER training program. The first editions (of a total of two editions per partner country) of the accredited training courses were delivered in Greece, Italy, Romania and Spain, with 314 registered participants. In addition, a third set of training courses was delivered in the four countries to company staff members. The second editions of the two courses have already started and will conclude in Spring 2025. Follow the link to find out more on [Accredited Training programmes in Energy Transition Audits](#)

Parallel to the training program, two open resources were created and are now freely available: a newly launched training platform for trained participants, and a set of four tools, available to all users through the project's website <https://entrainer-project.eu/>.

The developed tools include the following features: **CUSUM** Control offers on-line supervision of energy consumption anomalies or extreme behavioural deviations from the baseline pattern. **Heat loss calculator** provides a quantified, rough estimation of the building's thermal insulation characteristics. The **Energy Audit Estimator** provides a quick yet reliable assessment of a site's energy efficiency potential. It serves as an initial step to raise awareness of possible energy-saving measures before conducting a comprehensive energy audit. Finally, **On Site Auditor** acts as a remote portal that facilitates the on-site surveys during the actual energy audits. These tools consolidate the knowledge among energy transition auditors, creating a close relationship between energy professionals and the audited clients.

The EnTRAINER training program, along with its tools, address **Energy Transition Audits (ETAs)** in a holistic way, focusing on providing participants with essential skills and knowledge, and aiming to reskill and upskill both current and aspiring energy professionals and auditors.



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A first round of Energy Scans has been performed, engaging 41, energy-intensive companies across the four participating target countries, a process comprising the first step in the ETA approach. The detailed process, results, and key lessons learned are available in the [Report on Engagement of Clients and Initial Energy Scans](#).

Following the Energy Scans, the first round of ETAs was conducted during the second half of 2024 in five selected companies per target country, totalling 20 companies. The implementation of ETAs in the selected companies led to the following outcomes:

- Final energy savings of 188 GWh/year
- Primary energy savings of 369 GWh/year
- Renewable energy generation of 93 GWh/year
- GHG emissions reduction of 135 ktCO₂eq/year
- Investments in sustainable energy 260 mi €

Furthermore, three academic papers were published during 2024 – please follow the links to find out more.

- [EnTRAINER's Project Tools Framework for Energy Transition Audits Towards Decarbonization](#).
- [Empowering Energy Professionals: A Novel Educational and Training Program on Energy Transition Audits and Decarbonization](#).
- [Energy transition audits in industries located in Valencian region](#).

In 2024, several EnTRAINER events were held across the four partner countries, engaging a wide audience. These included 22 presentation events, reaching over 3,500 people, four tailored local workshops attended by 200 key stakeholders, and a policy session at [EUSEW 2024](#), titled '[Paving the way to net-zero energy in industry and small and medium-sized enterprises](#),' which attracted more than 300 participants. The EUSEW 2024 policy session was jointly delivered with our Sister Projects; it was a pioneering effort by EnTRAINER, AUDIT2MEASURE, DEESME2050, EE4SMEs, EE4HORECA, KNOWnNEBs, six EU-funded flagship projects in tackling a common challenge: spearheading decarbonization in industrial sectors and SMEs, advocating for clean energy transitions.

Finally, three regular, 2-day consortium meetings took place in Rome (Italy) and Cluj-Napoca (Romania) in 2024, and in Kozani (Greece) in March 2025, hosted by the University of Western Macedonia.



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EnTRAINER partners



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