



# European Energy Network

The voluntary network of European Energy Agencies - at the heart of the clean energy transition

## Name and Country of EER Member

ENEA - Italy

ITALIAN NATIONAL AGENCY  
FOR ENERGY EFFICIENCY



## Name of Project/Programme & Link to website

Energy audits implementation for Large enterprises and Energy Intensive Enterprises.

[www.efficientaenergetica.enea.it/servizi-per/imprese/diagnosi-energetiche/indicazioni-operative.html](http://www.efficientaenergetica.enea.it/servizi-per/imprese/diagnosi-energetiche/indicazioni-operative.html)

## Description of Project

According to Art. 8 of Lgs. D. 102/14, two categories of companies have been targeted as obliged to carry out energy audits on their production sites, firstly by the 5th of December 2015, and then at least every four years:

- Large enterprises (subsection 1);
- Energy intensive enterprises (subsection 3).

In Italy an organization qualifies as Large enterprise if it shows:

1. A number of employees  $\geq 250$  and an annual turnover  $> \text{€ } 50$  million and an annual budget  $> \text{€ } 43$  million Or
2. A number of employees  $\geq 250$  and an annual turnover  $> \text{€ } 50$  million Or
3. A number of employees  $\geq 250$  and an annual budget  $> \text{€ } 43$  million

Energy Intensive Enterprises are the ones with large energy consumptions (Electricity consumption  $> 1$  GWh/year) applying for a tax relief on part of the purchased energy. All the energy intensive enterprises are registered on the list of CSEA (Governmental Agency related to electricity).

To make the most from the art.8 obligation, ENEA has built a set of measures aimed to support enterprises and professionals -also through their business associations- in fulfilling the energy audit obligation. These measures, based also on a direct dialogue with stakeholders, include for 2019:



- 40 Events (in presence) for about 2,500 participants
- About 5,000 answers in written (emails, faq)
- At the end of 2019 an overall number of 16 technical guidelines published
- A full section of the National Energy Efficiency Agency website ("Diagnosi Energetiche") constantly updated
- Dedicated meetings with business associations aimed to improve the art.8 policy implementation

This process of support, knowledge sharing and open dialogue with stakeholders helped in turning the obligation in an opportunity.

At the end of 2020 the art. 8 implementation (second obligation period) lead to:

- 11,172 Energy Audits uploaded on the ENEA webportal (<https://audit102.enea.it/>)
- 6,434 Enterprises carried out an energy audit
- 2,314 SMEs
- 622 Sectors included (ISIC 4 level)
- 70% Monitored sites – 18% EnMS
- 1,147 Certified Auditors/ESCOs involved in the scheme

## Aim/Expected Impact of Project

The EED establishes a common framework of measures for the promotion of energy efficiency (EE) in order to ensure the achievement of the European targets and to pave the way for further EE improvements beyond 2020.

Italy transposed the EED into national law by issuing the Legislative Decree n102 of 4 July 2014, where article 8 is dedicated to Energy Audits, a necessary tool to assess the existing energy consumption and identify the whole range of opportunities to save energy. Within this framework ENEA is the managing Agency of the programme and its dissemination on behalf of the Italian Ministry of Economic Development.



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## Involvement of the Agency and Link to the EU Green Deal

- **Smart Integration**
- **Digitalisation**
- **Research and innovation**

ENEA is the managing Agency of the programme on behalf of the Italian Ministry of Economic Development. Activities carried out:

- Management of national energy audits database
- Co-creation and edition of sector guidelines for development of mandatory Energy Audits
  - Development of innovative methodologies for energy analysis performance as function of sector and sites
  - Standardization of procedures for energy monitoring and accounting
  - Development of sector/process energy benchmarks and energy indicators (general and specific KPIs)
- Training activities in energy management