

EnerSHIFT

SOCIAL HOUSING INNOVATIVE TENDER FOR ENERGY

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7 Partners

Liguria Region
IRE Liguria S.p.A
A.R.T.E. Genova
A.R.T.E. La Spezia
A.R.T.E. Savona
A.R.T.E. Imperia
SUNIA, SICET and Uniat



€ 967.687,50

100% co-financing rate by EU
leverage effect of 15
15 millions euros investments

Main aim of EnerSHIFT project is the preparation of a global investment for energy retrofitting of 43 public social housing buildings (235,000 sqm) located throughout the 4 Provinces of Liguria region by means of the application of innovative financing model as first example in the region, to contribute to energy saving policies. The buildings are managed by the Social Housing Operators (SHO). The project fully matches the scope of the call and its challenges as it focuses on the energy retrofitting of social housing buildings by means of the elaboration of a tender for the selection of Escos for the signature of an EPC contract (Energy Performance Contract).

We deal with an aggregated investment which is innovative because it is the first to be implemented in the Liguria Region and one of the few in Italy. This project represents a chance for the public staff to gain new knowledge on EPC to apply it again in the future on other sectors or be able to support other public entities in applying it.

EnerSHIFT falls under the topic Horizon2020-EE20 Project Development Assistance.

The project is coordinated by Urban Development and Buildings Projects Department of Liguria Region. The consortium is composed by other 6 subjects which contribute to reach the project's goal.

The regional energy Agency for infrastructures, urban renovation and energy (IRE) will coordinate the overall methodology and deliver the consolidated baselines and terms of references for the tender. They will guarantee consistency among data and costs.

The 4 SHOs perform the buildings audits and contribute to identify the interventions to be inserted in the investment programme.

The 3 tenants' syndicates (SUNIA as formal partner, involving SICET and UNIAT) will deal with tenants' engagement and behavioural change. They talk to tenants for tariff and costs issues.

Families involved into the project are 3,300.

EnerSHIFT aim is to realize an important financial operation that will give benefits in different fields:

- Financing
- Environmental
- Social
- Innovative
- Occupational

Where and how many buildings involved in the project



- 1 Bordighera - IM
- 3 Albenga, Quiliano and Cengio - SV
- 27 Genova and Ronco Scrivia - GE
- 12 La Spezia, Lerici, Sarzana, Follo, Arcola, Brugnato, Framura - SP

EnerSHIFT will contribute to the impacts expected by the call topic in the following ways.



1,4 millions €/y costs saving

14,5 GWh/y energy saving (-55%)



3492 tCO₂/y emissions reduction



The use of renewable energy will be raised



Kick-off meeting

On April 21, Liguria Region hosted the kick-off meeting - the first project meeting. All partners have attended the meeting with the representative dell'EASME, the Executive Agency for Small and Medium Enterprises of the European Commission. During the meeting all the Work Packages were be discussed in details and the partners have been able to talk directly with the representative of the Commission who supports them throughout the project.

Energy Audits



IRE Liguria has completed the training of technicians of the 4 SHOs. They are doing buildings' energy audits. Energy audits are used to understand how much energy is used by buildings, under current conditions, and what kind of interventions will implemented to reduce consumption and energy requirements.

European overview



Buildings are responsible for 40% of energy consumption and 36% of CO₂ emissions in the EU. Currently, about 35% of the EU's buildings are over 50 years old. By improving the energy efficiency of buildings, we could reduce total EU energy consumption by 5% to 6% and lower CO₂ emissions by about 5%. The EU is deeply focused on this thematic and projects like EnerSHIFT contribute to reach the goal of the energy saving and the emissions reductions.

The EU has fixed results to gain within 2020 and 2030. These results could be reached with different tools as the Energy Performance Contract - EPC. Under an EPC arrangement an external organisation (ESCO) implements a project to deliver energy efficiency, or a renewable energy project, and uses the stream of income from the cost savings, or the renewable energy produced, to repay the costs of the project, including the costs of the investment. In EPC ESCO remuneration is based on demonstrated performance; a measure of performance is the level of energy savings or energy service.



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