

Replicable Practices PRODESA, GREECE

Energy efficiency in Greek municipal buildings

PRODESA aims to assist 7 municipalities in Athens Metropolitan Area to begin energy efficiency and renewable energy projects, using innovative financial tools and attracting private investments.

To achieve its objectives, the project focuses on optimal bundling of the fragmented municipal projects to achieve considerable size, reasonable payback time and risk diversification. Resources will be used to optimize financial results for all parties and to ensure high participation of ESCOs in the tenders.

PRODESA is the first to aim to create a network of at least 30 municipalities in Greece that will be supported in order to replicate the results.

The project launched in May of 2017, has a duration of 51 months and is financed by HORIZON 2020. The total cost of interventions is of €20.24 million.

There will be energy efficiency interventions in 116 municipal buildings, integration of a total **3.2 MW of photovoltaics** on the roofs of these buildings and re-lamping for the municipal lighting. **Total energy savings are 45.6 GWh/y** and the generated energy from RES is 4.8 GWh/y.

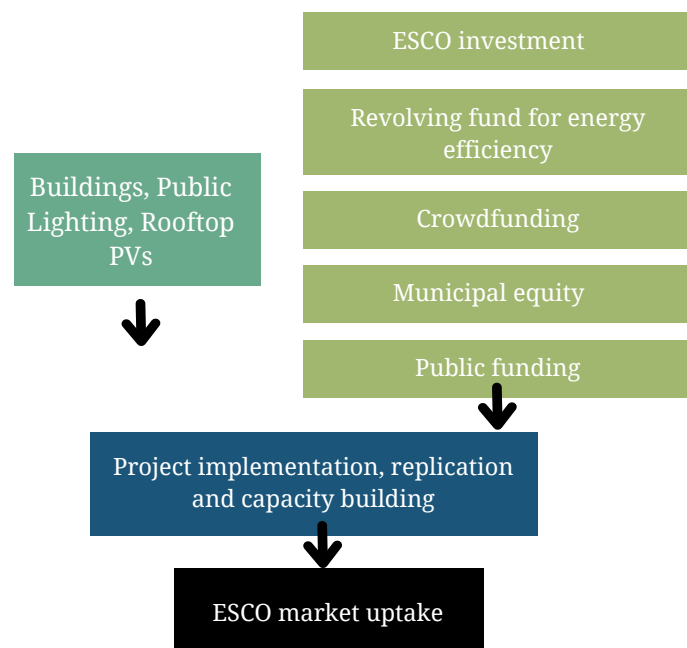
The energy savings after the completion of the interventions are estimated **8 GWh/year**. PVs will be integrated into the roofs of municipal buildings in order to cover a large proportion of the buildings' needs for electricity.

The improvement of municipal street lights will take place in 3 Municipalities with **6.3 MW of installed capacity**, reduces the energy consumption by **37.6 GWh/year**. The interventions include replacement of existing lamps with LED and integration of dimming equipment that could be combined with communication systems and security cameras where necessary.

All interventions in municipal buildings and street lighting, aim both to save energy as well as to improve the conditions for users.



PRODESA's financing approach





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Replication

PRODESA will deliver a comprehensive replication scheme which will be:

- developed to suit specifically the needs of the two replicator municipalities
- easily adaptable to suit the needs of all urban municipalities across the EU.
- The results are expected to be widely replicable in municipalities:
 - in Greece, who are waiting for a showcase project of energy performance contract (EPC)
 - in Europe, where large scale project of this kind will contribute towards standardisation of energy efficiency investments
- Establishment of a network of at least 30 municipalities willing to replicate PRODESA's solutions
- Coaching for the development of energy efficiency project pipelines

More information on PRODESA

<https://www.prodesa.eu/>



PROSPECT+ fosters capacity building in regional and local authorities in order to finance and implement effective and efficient sustainable energy plans, including their proper monitoring and verification.

<https://www.h2020prospect.eu/>

