



ELENA Completed Project Factsheet

Less energy, Less cost, Less impact (Progetto 3L)

Location	Provinces of Padova and Rovigo, Veneto Region (Italy)
Beneficiary	Provincia di Padova
CoM signatory	Yes
Sector	EE In buildings and street lighting
Total PDS costs (Project Development Services) accepted	EUR 1,373,818
Elena contribution	EUR 1,236,437 (90%)
Project development services financed by ELENA	The ELENA support included the following activities: <ul style="list-style-type: none"> • Financial intermediary selection • Building and street lighting audits • Development of tender documents • Tenders implementation
Description of ELENA operation	The Province of Padova, in close cooperation with the Province of Rovigo and the municipalities of Padova and Rovigo, supported municipalities to prepare joint calls for tenders and to negotiate the terms of the contracts for the individual sub-projects with ESCOs. Joint tenders were launched leading to separate contracts with the individual municipalities. The Province of Padova established a project Implementation Unit including 4 staff members (project manager, legal, accounting and administrative staff). In addition, external expertise was required for energy audits, legal, economic and engineering support in the tendering processes and monitoring of the projects.
Timeframe	October 2013– October 2017
Basis for investment identification	The investment programme has been prepared on the basis of information provided by local and regional authorities in the two provinces. All measures proposed by municipalities were included in their SEAP.
Investment programme description	All investments are implemented through EPC tenders with guaranteed energy savings through the duration of the contracts. The investment programme focussed on the following sectors: <ul style="list-style-type: none"> • Energy efficiency in buildings (2 tenders covering overall the refurbishment of 188 buildings belonging to the Province of Padova) • Energy efficiency for street lighting systems (one tender for the refurbishment of 14.388 lighting poles belonging to 12 municipalities within the Province of Padova)
Investment in implementation phase	EUR 46,914,395.61 An additional investment volume of EUR 25.765.523 was awarded one year after the end of the ELENA implementation phase.
Results expected to be achieved	<ul style="list-style-type: none"> ▪ Energy savings: 34 GWh/y ▪ CO2 reduction: 8,579 t CO2 eq/y ▪ Guaranteed savings offered by the ESCOs range from 30% to 46% for EE investments in buildings and 80% for street lighting projects.
Leverage factor achieved	37

Lessons learnt	<p>During the implementation, the project faced several risks. Two of these have had a strong impact on project implementation:</p> <ul style="list-style-type: none">▪ The participating municipalities had difficulties in responding to project participation requirements due to the lack of experience with similar contracts. Moreover the time of response of the municipalities, specifically for the approval of the council resolutions proved to be a very complex and time consuming procedure;▪ In addition, the administrative procedures requested by Italian regulations regarding tender procedures have shown to be extremely long-lasting. This led to unforeseen delays impacting on project implementation deadlines and created unnecessary bottlenecks.
Further information sources	Not available
Contact person at Beneficiary	Not available