

ELENA Completed Project Factsheet

Energy Programme Southern Denmark (EPSD)

Location	The Region of Southern Denmark
Beneficiary	The Region of Southern Denmark
CoM signatory	No
Sector	EE and RES in buildings and street lighting
Total PDS costs	EUR 2 691 501
Elena contribution	EUR 2 422 355
Project development services financed by ELENA	<p>The Elena assistance focussed on the following aspects:</p> <ul style="list-style-type: none"> • Initial project preparation • Preparation of tenders • Running the call for tenders and tender attribution • Implementation of investment programme
Description of ELENA operation	<p>ELENA co-financed both establishing of a Project Secretariat and provision of external services required for programme implementation.</p> <p>The Project Secretariat was composed of a Project Manager, 9 technical experts and 2 Project secretaries. The Project Secretariat was responsible for overall management of the programme and reporting to the EIB. The Secretariat managed the financial side of the project, tender for external experts, supervise contracts with external experts and ensure proper communication between all the partners as well as with the public.</p> <p>External expert support was used for project preparation (selection of buildings, street lighting systems, energy audits, technical studies etc.), preparation of tenders (legal and technical advice), support in the procurement process and support with preparation of contracts.</p>
Timeframe	February 2014– February 2017
Basis for investment identification	<p>The Region had collected comprehensive data on the building stock and on the street lighting systems. This allowed for estimating the investment potential and energy and CO2 savings to be achieved. The data collection was also aiming at identifying municipalities' needs in terms of technical support which was reflected in the application.</p>
Investment programme description	<p>14 municipalities and the Region of Southern Denmark initiated the EPSD project, and all 15 partners invested in energy savings measures.</p> <p>The amounts invested for the 3 categories of energy investments, are:</p> <ul style="list-style-type: none"> • Building envelope: EUR 34 719 175 • Installations: EUR 35 255 301 • Street lighting: EUR 9 031 122 <p>Within the building envelope, the main projects were focusing on: insulation in attic or roof, insulating of walls, replacing old window with new low energy class and replacing doors.</p> <p>The energy saving projects completed focussing on Installation were: Conversion from oil or natural gas to district heating, Heat-pump installation, low energy consuming pumps and fans, improved heat recovery on air system, Insulating warm distribution pipes, household appliances (dryers, washing machines and drying cabinets), solar PV and solar heating.</p>

Investment in implementation phase	EUR 79 005 598
Results expected to be achieved	<ul style="list-style-type: none"> • Energy savings: 51.15GWh/y • RE heat and electricity generation: 4.61GWh/y • CO₂ reduction: 11,367t/y • Jobs created: 291
Leverage factor achieved	33
Lessons learnt	<ul style="list-style-type: none"> • It is an important point to consider that the EPSD project for the partners represented only a small proportion of an otherwise busy work day. Projects - like ELENA scheme - which requires relatively high level of documentation, also requires a lot of attention at the project secretariat in relation to continuous and perseverance communications about documentation requirements, otherwise there is a risk that the required documentation are not submitted in a timely manner. • Another important learning point for project management is that it is associated with certain difficulties to create a uniform documentation structure across local traditions in municipalities. The Secretariat addressed this potential challenges by developing templates (pre-registration form, secretariat counselling etc.) that the partners should use in different phases of energy saving investments. • The partners emphasize that the technical assistance through the project has contributed to another professional perspectives on their energy investment optimizations than there would otherwise have been. Several of the partners, become acquainted with advisers they had not used before and thus gained new perspectives on current challenges. The processes of the technical assistance has also contributed to the partners have been able to use each other's tender materials for mutual inspiration and learning, as well as the common platform of material has actively contributed to the optimization and more intelligent solutions.
Further information sources	www.rsyd.dk/EPSD
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