



ELENA Completed Project Factsheet

Sustainable Energy – East Slovenia (SE-ES)

Location of planned investments	Slovenia
Final Beneficiary	City of Kranj
Final Beneficiary's address	Slovenski trg 1 4000 Kranj SLOVENIA
CoM signatory	Yes
Sector	<ul style="list-style-type: none"> • Energy efficiency in non-residential buildings • Energy efficiency in street lighting • Renewable energy integrated in buildings Waste heat recovery
Total PDS costs	EUR 2,339,661.00
ELENA contribution	EUR 1,991,700.00
Project development services financed by ELENA	<p>The ELENA technical assistance provided EUR 1,991,700.00 to enable a group of 12 Municipalities (led by Kranj) and 2 public companies (ELES and Post of Slovenia) to retrofit public infrastructure across Slovenia, largely in the eastern part.</p> <p>This included:</p> <ul style="list-style-type: none"> • Engagement with the asset owners and other stakeholders • Energy audits and technical documentation • Public tenders and procurement • Financial engineering, including grant applications and loans • Project management
Description of ELENA operation	<p>A group of 12 municipalities plus 2 public companies (ELES and Post of Slovenia) developed an energy rehabilitation programme for their buildings and other assets. A dynamic purchasing system for project preparation services was established. Joint public procurement was applied where possible. ESCO/EPC model was also deployed where possible – solar PV and street lighting. Financing the investments utilised the available ESIF funds in Slovenia, along with ESCO finance.</p>
Timeframe	01/04/2021 – 30/09/2024
Investment programme description	The investment programme covered the energy retrofit of 69 public buildings (approx. 120,000 m ²), the rehabilitation of over 7,000 lamp posts and the installation of approx. 15 MWp of solar PV capacity across different parts of East Slovenia.
Investment in implementation phase	EUR 75,672,122.00 m
Results expected to be achieved	<ul style="list-style-type: none"> • Energy Efficiency • Annual total energy saved 13.27 GWh Renewable energy • Annual total energy generated 17.18 GWh CO₂ reductions • Annual total reductions of 9,844 tCO₂.

Leverage factor achieved	37.99
Lessons learnt	<ul style="list-style-type: none"> • Coordination in multi-stakeholder projects, comprising both public and private entities (municipalities, ESCOs, state companies), highlighted the need for a clear governance framework to coordinate activities. Ensuring that all partners were aligned in their roles and responsibilities from the outset helped mitigate communication breakdowns and project delays; • Importance of early and consistent stakeholder engagement, especially municipalities and ESCOs, was vital for building trust and securing buy-in. Workshops, brainstorming sessions, and technical assistance were instrumental in aligning objectives, reducing potential conflicts, and enhancing collaboration across sectors; • Leveraging the ESCO/EPC model for risk mitigation was central to the project's success. It facilitated financing and transferred key risks — such as project design, construction, and energy savings guarantees — to private sector entities. Over 1/3 of the investments were financed via ESCO/EPC arrangements, highlighting the critical role of this model; • Innovative public procurement models in the ELENA project were key enablers for municipalities to bundle energy efficiency measures into larger projects, making them more attractive for investment. Moreover, the collaboration with ELES and Post of Slovenia in joint public procurement was groundbreaking for Slovenia. The use of Dynamic Purchasing Systems (DPS), allowed for the bundling of projects and ensured transparency, efficiency, and cost-effectiveness.
Further information sources	www.kranj.si
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