



### ELENA Project Factsheet

## Boosting Regional ENergy TransitiOn through EEand ReneWABIEs in public buildings (RENOWABE)

<b>Location of planned investments</b>	Region of Extremadura, Spain
<b>Final Beneficiary</b>	Junta de Extremadura (JuntaEx)
<b>Final Beneficiary's address</b>	Plaza del Rastro, s/n 06800, Mérida Spain
<b>Sector(s) of investment</b>	Energy efficiency and renewable energy sources in non-residential buildings
<b>Total Project Development Services (PDS) cost</b>	EUR 1,430,000
<b>ELENA co- financing</b>	EUR 1,287,000
<b>Project Development Services (PDS) financed by ELENA</b>	<p>The Project Development Services (PDS) financed by ELENA will support the implementation of an Investment Programme in about 225 public buildings located in the Region of Extremadura, targeting energy efficiency investments and building-integrated renewables in non-residential buildings. To achieve this target, different Project Development Services will be delivered by the staff allocated by JuntaEx and by external experts, and can be summarized as follows:</p> <ul style="list-style-type: none"> <li>• Building identification;</li> <li>• Methodology and guidelines development;</li> <li>• Baseline definition;</li> <li>• Building analysis;</li> <li>• Feasibility studies;</li> <li>• Decision making process;</li> <li>• Tendering process;</li> <li>• Ex-post monitoring.</li> </ul>
<b>PDS Timeframe</b>	From Q2 2022-Q1 2025
<b>Investment programme description</b>	<p>The Investment Programme targets energy efficiency investments and building-integrated renewables in about 225 non-residential buildings owned by Region of Extremadura. On average, 30% of energy savings are expected and, for the majority of the buildings, the RES contribution shall represent at least 25% of the final energy use.</p> <p>The project aims to mobilize an eligible investment of EUR 39 million (EUR 27.5 million for energy efficiency and EUR 11.5 million for RES).</p>

	<p>The renovations will include the modernization of the existing non-residential, including the following:</p> <ul style="list-style-type: none"> <li>• envelope insulation;</li> <li>• window replacements and improved glazing; heating, cooling &amp; ventilation upgrade;</li> <li>• domestic hot water;</li> <li>• indoor lighting;</li> <li>• HVAC systems;</li> <li>• energy management systems;</li> <li>• renewable energy solutions (mainly PV plants and if suitable solar thermal panels and biomass boilers).</li> </ul>
<p><b>Investment amount to be mobilized</b></p>	<p>EUR 39m</p>
<p><b>Description of the approach to implement the Investment Programme</b></p>	<p>The Investment Programme that will be implemented is aiming to reach a reduction of the energy consumption of about 30% in hospitals and care centres and to install renewables in smaller health and training centres. The energy efficiency investments will be realized through energy performance contracts while the RES investments will be mobilized using PPAs, leasing or EaaS.</p> <p>Both schemes require several preliminary development activities before the investment decision takes place, in order to ensure the achievement of the expected results, namely in terms of payback period in order to ensure that they are attractive for private investors. The project is expected to be developed in four waves in order to ensure that previous experience is included in the following projects.</p> <p>Once the investment decisions are taken (by the Permanent Commission of the E4PAREX Strategy), DG Accessibility, with the support of AGENEX and the legal experts will start developing the tender documents, including the technical requirements to be fulfilled by each one of the bidders. Typically, two different contract models are expected to be used: one for energy efficiency investments (typically and EPC) and other for integration of renewables in public buildings (different models are possible: PPA, leasing or EaaS).</p>
<p><b>Expected results of investments planned</b></p>	<ul style="list-style-type: none"> <li>• Energy Efficiency - Annual total energy saved 51.31 GWh representing a reduction of 30% compared to the baseline.</li> <li>• Renewable Energy - Annual total 18 GWh, of which: 18 GWh RE electricity generation.</li> <li>• CO<sub>2</sub> reduction - Annual total reduction of 17,009 CO<sub>2</sub> eq t representing a reduction of 36% compared to the baseline.</li> <li>• Jobs created -184 equivalent FTE.</li> </ul>
<p><b>Leverage factor (Minimum 20)</b></p>	<p>30</p>

<b>Status</b>	Contract signed on 23/03/2022
<b>Contact person at ELENA beneficiary</b>	Ms Maria Angeles López Amado, General Director of Accessibility and Centres, Regional Ministry for Health and Social Services, Junta de Extremadura - <a href="mailto:dq.accesibilidadycentros@salud-juntaex.es">dq.accesibilidadycentros@salud-juntaex.es</a>