



## ELENA Project Factsheet

### ELENA Integrated Transports Management System in Padova (InToMYPad)

<b>Location of planned investments</b>	Padova, Italy
<b>Final Beneficiary</b>	APS Holding S.p.A.
<b>Final Beneficiary's address</b>	Salboro Street 22/b 35124 Padova, ITALY
<b>Sector(s) of investment</b>	Urban Transport
<b>Total Project Development Services (PDS) cost</b>	EUR 1 628 000
<b>ELENA co- financing</b>	EUR 1 465 200
<b>Project Development Services (PDS) financed by ELENA</b>	<p>Activities covered under the PDS refer to:</p> <ul style="list-style-type: none"> <li>• Coordinate the Investment Programme, its projects and all the players involved;</li> <li>• Verify the compliance with deadlines, according to the chronogram;</li> <li>• Coordinate the overall software development and deployment, thus integrating different projects involved;</li> <li>• Monitoring the progress and the execution of works, according to the tendering process;</li> <li>• Analyse, manage and monitor the compliance with deadlines and obligations assumed towards the subjects providing financial resources;</li> <li>• Analyse and manage the financial agreements and needs;</li> <li>• Structure the tenders for the selection and the contracts with the subjects involved, according to market procedures;</li> <li>• Negotiate in an active and competent way with the counterparties, in order to reduce the asymmetry of information and capability between the public and the private sector;</li> <li>• Organize communication campaigns with the involvement of local citizens and stakeholders.</li> </ul> <p>The implementation of the investment program will be carried on under the governance structure of APS Holding. APS will recruit additional staff for the InToMYPad development. This staff includes:</p> <ul style="list-style-type: none"> <li>• Project Secretary;</li> <li>• Project Assistant Engineer;</li> <li>• Project Assistant Legal;</li> <li>• Project Assistant Accounting.</li> </ul> <p>The Project manager and the Project assistant will form the Internal Experts team. The Internal Team will be established at APS and it will work in cooperation with the local offices of the Municipality of Padova. The internal team will manage the daily activities, representing the supportive structure to the PM and covering the main areas of competences related to the implementation of the InToMYPad, namely technical, legal and economic-financial.</p> <p>An external team will support the Internal Team for specific project-related activities.</p>

<b>PDS Timeframe</b>	Q1 2022 – Q4 2025
<b>Investment programme description</b>	<p>The Investment Programme for which the ELENA financial support is required includes the following projects:</p> <ol style="list-style-type: none"> <li>1. Realisation of a new transport management software for the Municipality;</li> <li>2. Realisation of the new tram line connecting the train station, two main hospitals and a southern district of Padova (Voltabarozzo);</li> <li>3. Upgrading of the batteries to lithium titanate technology in the existing and new tram lines.</li> </ol>
<b>Investment amount to be mobilized</b>	EUR 79m
<b>Description of the approach to implement the Investment Programme</b>	<p>APS Holding is the main decision maker in the realisation of the Investment Programme.</p> <p>The main steps of the process are the following:</p> <ol style="list-style-type: none"> <li>1. Set up of an internal team of experts</li> <li>2. Selection of external experts</li> <li>3. Supporting the implementation and integration among the investment components</li> <li>4. Monitoring</li> </ol> <p>More in detail:</p> <ol style="list-style-type: none"> <li>1. APS will select a team of experts to set up the internal team working on the Investment Programme. These advisors will work in close cooperation with the Project Manager who is responsible for the overall development of the project.</li> <li>2. In addition, APS will select further consultants with public procedures, to advice on specific issues.</li> <li>3. Specific competences will be required also to ensure the effective integration of all the components, both existing and under development, under the operative structure of APS. Concerning implementation, the main turning points concern: <ul style="list-style-type: none"> <li>○ The purchase of the broad software</li> <li>○ The works for the tram line realisation to be procured and negotiation for the purchase of the vehicles</li> <li>○ The research and development activities to be procured, as well as the consequent supply of LTO batteries for tram vehicles</li> </ul> </li> <li>4. Finally, monitoring procedures will be put in place to verify the smooth development of the single components and their integration in the current framework.</li> </ol> <p>For the execution of the Investment Programme APS will need to procure:</p> <ul style="list-style-type: none"> <li>• The purchase of the broad software</li> <li>• The works for the tram line realisation to be procured and negotiation for the purchase of the vehicles</li> <li>• The research and development activities to be procured, as well as the consequent supply of LTO batteries for tram vehicles</li> </ul> <p>These activities will be realised by third parties. Similarly, external experts hired on the project will ensure the integration and the customisation of the single components into the overall new traffic management system.</p>

<b>Expected results of investments planned</b>	Reduction in the GHG emissions: 2,411 t CO <sub>2eq</sub> /year Reduction in the NOx emissions: 7.83 t/year Energy savings: 5.4 GWh/year
<b>Leverage factor (Minimum 10)</b>	54
<b>Status</b>	Contract signed on 23/12/2021
<b>Contact person at ELENA beneficiary</b>	Riccardo Bentsik - <a href="mailto:rbentsik@apsholding.it">rbentsik@apsholding.it</a>