



ELENA Project Factsheet
EFFICIENT ECO-FRIENDLY TRANSPORTATION,
PUBLIC LIGHTING AND BUILDINGS IN THE REGION OF EPIRUS

Location	The Region of Epirus, Greece
Beneficiary	The Regional Authority of Epirus (the Region of Epirus), one of Greece's 13 administrative regions
CoM signatory	No
Sector	Energy efficiency improvements and renewable energy in public buildings, public lighting systems and sustainable transport.
Total PDS cost	EUR 1,672,800
ELENA contribution	EUR 1,505,520
Project Development Services (PDS) financed by ELENA	The Project Development Services (PDS) financed by ELENA will provide support to implement the Investment Programme in the Region of Epirus. The Region of Epirus will create the Project Implementation Unit (PIU) Team consisting of external consultants, supported by the Region's administration staff.
Description of ELENA operation	The project aims at improving the energy efficiency of public buildings and public lighting systems located in the Region of Epirus and deploy sustainable transport. The programme proposed has a substantial scale for the Region as well as a high level of ambition in terms of energy efficiency performance objectives set. It is a first project of that kind in Greece. The ELENA assistance contributes substantially to the implementation of the investment programme by bringing in missing resources and expertise. The ELENA support is designed with the aim of strengthening the Regions capacities.
PDS Timeframe	August 2016 – July 2019
Investment programme description	The ELENA PIU Team will work on the preparation of four investments schemes: <ul style="list-style-type: none"> • Design and implementation of a sustainable lake transportation system in the city of Ioannina • Design and construction of a new rural regional road lighting network, including smart grid technology, for the entire Region of Epirus, • Design and deployment of a new LED lighting technology including dedicated control systems in the Municipalities of Arta, Preveza and Igoumenítsa. • Design and implementation of Renewable Energy Systems and Energy Efficiency Retrofits in Public Buildings in the Region of Epirus

Investment to be mobilized	EUR 63.300.000
Description of the approach to implement the Investment Programme	The implementation of the Investment Programme is expected to start immediately after the conduction of the required preparatory studies. All investments schemes will be realised through a PPP initiative. For the lake transportation project, a private entity should have the lead role, the Region of Epirus will be acting as the public major partner with other local entities such as Municipalities, Public Transport Authority of Ioannina, etc. as other public partners. Regarding the other three investment schemes, a Special Purpose Entity (SPE) is to be established by the winning concessionaire to procure the street LED lighting - smart grid, urban LED lighting and EE in Buildings and to install and maintain that equipment. This SPE could be comprised of several partners, including large constructors and lighting-heating-cooling equipment manufacturers, operators (utility companies or international street lighting operators), ESCOs, financial institutions, and some government entities.
Expected results	<ul style="list-style-type: none"> • Energy Efficiency - annual energy saved 13.6 GWh_e and 7.1 GWh_{th} • Renewable Energy - annual total energy generation 1.2 GWh • CO₂ emissions reductions – annual total reductions of CO₂ emissions 25,400 t CO₂ eq.
Leverage factor (Minimum 20)	42
Market replication potential	The market replication potential of the project is considerable. The project is using an attractive concept of PPP for implementation. It is expected that lessons learned from carrying out the project in the Region of Epirus will allow other Greek regional or local authorities to follow a similar path.
Status	Contract signed 26/07/2016
Contact person at Beneficiary	Tatiana Kalogianni, Vice Governor of Ioannina