ELENA Project Factsheet

Development of electric public transport for new opportunities (DEPO KLAIPEDA)

Location	Klaipeda, Lithuania
Beneficiary	City of Klaipeda municipal administration
CoM signatory	Not member of CoM
Sector	Urban public transport
Total PDS cost	EUR 675 700
ELENA contribution	EUR 608 130
Project Development Services (PDS) financed by ELENA	• Feasibility study for the renewal of the public transport systems analysing various scenarios on implementation level, and potential synergies between the tram and the electric bus implementations in terms of energy supply and usage, and the integration of the new transport means into the current system including the existing ITS systems for traffic management, the ticketing system and the passenger information system, as well an estimated budget and timeline for the implementation. Main impacts such as energy usage, reductions in emissions and changes to modal split will be analysed in the study. • Tender strategy and plan for the tram system using a PPP approach including design of tender documents covering all relevant technical, legal and financial aspects as well as the evaluation model for the tender. • Tender strategy and plan for the procurement of new electric buses to replace a proportion of the existing fleet of diesel buses.
PDS Timeframe	01 September 2017 – 31 August 2021
Investment programme description	Construction of electric tram system deployed as turnkey solution with infrastructures, stops, depot, rolling stock and IT systems with a length of approximately 10 km. Conversion of urban transport bus fleet by introducing 6 electric buses and related charging infrastructures.
Investment to be mobilized	EUR 86.3m

Description of the approach to implement the Investment Programme	The tram project is expected to be implemented using a PPP scheme, in which the private sector partner will finance the project implementation. The private sector partner would receive annual payments from the City of Klaipėda. The purchase of electric buses is planned to be made by the public transport operator KLAP.
Expected results	The total estimated contributions are: CO_2 reductions – Annual total reductions of 2 604 CO_2 eq t. NOx reductions – Annual total reductions of 19.25 t In terms of modal share, the current split is 37% of all trips per year are with public transport (buses) and 63% are with personal transport (cars), with some 2% of all vehicles being buses and some 93% being personal cars or vans. The future modal split of urban transport will be analysed and assessed as part of the feasibility study.
Leverage factor (Minimum 10)	142
Market replication potential	The project has a high replication potential due to the number of cities in the EU at a comparable size and structure with similar challenges in terms of improvements to urban public transport to support sustainable development. The potential for conversion of existing fleets of diesel buses into sustainable public transport solutions such as trams or alternative fuel buses is extremely high especially in Eastern Europe, and solutions as well as learnings from the project are very likely to be replicated. Furthermore, the use of PPP as a tendering and contract management regime could have a replication effect for other similar projects in the EU.
Status	Contract signed on 01/09/2017
Contact person at Beneficiary	Reda Svelniute: Reda.Svelniute@klaipeda.lt