



ELENA Project Factsheet Smart City Mobility Concept (SCMC)

Location	City of Amsterdam, the Netherlands
Beneficiary	GVB Exploitatie B.V. (GVB), Amsterdam
CoM signatory	The owner of GVB, the City of Amsterdam, signed the CoM in 2009
Sector	Urban public transport
Total PDS cost	EUR 3 894 672
ELENA contribution	EUR 3 505 205
Project Development Services (PDS) financed by ELENA	<p>For the four Work Packages (see below), the following PDS are financed by ELENA :</p> <ul style="list-style-type: none"> • WP1: Feasibility study for a braking energy recovery system. • WP2: IT system design and specifications for architecture, algorithms and decision support systems, as well as desktop research in Smart City IT systems. • WP3: Technical project management, feasibility studies, legal advice and procurement expertise. • WP4: Feasibility studies and technical analysis.
PDS Timeframe	Q3 2017 – Q2 2021
Investment programme description	<p>Four specific working packages (WPs) are included in the investment program :</p> <ul style="list-style-type: none"> • Implementation of a regenerative braking energy system for the metro. • Implementation of IT backbone for smart mobility concept • Implementation of 67 electric buses including charging infrastructure • Implementation of 12 hybrid plug-in electric harbour ferries
Investment to be mobilized	EUR 165.8m
Description of the approach to implement the Investment Programme	<p>Each WP will have a designated project team and steering committee, which will be coordinated and managed by the ELENA TA both internal staff and external expertise. The project teams will prepare the required technical, economical and legal analysis, which will form the basis for design of tender documents for public procurement procedures for works and deliverables.</p> <p>Deployment of all four WPs will be managed and coordinated by</p>

	GVB, who also will be responsible for operation and maintenance of all invested assets when the project is completed.
Expected results	<p>When completed, the four WPs are expected to result in annual reduction of 16 650 t CO₂ eq and 66.9 t NO_x.</p> <p>The projects will contribute to an increase of annual ridership of the public transport system from 0.86 mio passenger km per year to 1.10 mio.</p>
Leverage factor (Minimum 10)	47
Market replication potential	The project has a high replication potential since it covers several modes of transport applied in most larger cities in the EU, and the means to be implemented could be considered applicable in many cities. The ELENA support contributes to a significant increase in expenditure in the priority activities of sustainable transport in the urban areas and thus contributes to implementing regional and national objectives in these sectors. The market replication potential of the project is considerable.
Status	Contract signed on 12/07/2017
Contact person at Beneficiary	Mr. Maurits Hekking, MVO Manager