



ELENA Project Factsheet

FUTURE AUTONOMOUS SYSTEM OF (PUBLIC) TRANSPORT HAMBURG (FAST HAMBURG)

Location of planned investments	Hamburg, Germany
Final Beneficiary	Free and Hanseatic City of Hamburg (FHH)
Final Beneficiary's address	Alter Steinweg 4 20459 Hamburg, Germany
Sector(s) of investment	Sustainable Urban Mobility
Total Project Development Services (PDS) cost	EUR 2,010,000.00
ELENA co- financing	EUR 1,809,000.00
Project Development Services (PDS) financed by ELENA	<p>The Project Development Services (PDS) intended to be acquired through ELENA are needed to secure the coordination of the preparation and development of the investment programme. This specifically entails:</p> <ul style="list-style-type: none"> • Project Management & Coordination: FHH will carry out project management and coordination activities with the support of State Agency for Geoinformation and Measurement (LGV) and State Agency for Roads, Bridges and Water (LSBG). It will ensure the appropriate coordination between the different stakeholders of the project and smooth running of the IP implementation. External support will be taken for EIB contract management and reporting. • Technical studies • Financial and legal advice • Project results dissemination
PDS Timeframe	Q4 2024 – Q3 2028
Investment programme description	The Project concerns an Investment Programme (IP) consisting of deployment of autonomous and electric shuttles (AES) for demand responsive transport (DRT) system (or on-demand transport system) in Hamburg as the first step of the City's long-term ambition of deploying 10,000 autonomous and electric vehicles by 2030.
Investment amount to be mobilized	EUR 36,600,000.00

Description of the approach to implement the Investment Programme	The Investment Programme will be implemented by public transport operators (PTOs) in Hamburg - VHH and HOCHBAHN, while FHH acts as main coordinator of the project by coordinating the investments and communicating with the investors.
Expected results of investments planned	<p>The project contributes to modal shift to public transport, decarbonizing transport and improving air quality.</p> <p>The total estimated contributions are:</p> <ul style="list-style-type: none"> • Estimated annual reduction of NO_x reductions (and/or other pollutants and particulates) - Annual total reductions of 4.59 NO_x t • Estimated change in modal share – 13.1 million vehicle-km/year shift from passenger cars to public transport • CO₂ reductions – Annual total reductions of 1,702.44 t CO₂ eq. <p>The IP is expected to create employment of 118 FTE during project construction.</p> <p>The IP will also be an example of implementing autonomous shuttles in public transport. From this perspective, the project is assessed as having high impact in terms of deploying 'new to market' goods and services.</p>
Leverage factor (Minimum 20)	20
Status	Contract signed on 30/09/2024
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