



## ELENA Project Factsheet

### ELENA Helsinki Open Charging System (ELENA HOCS)

<b>Location of planned investments</b>	Helsinki Region, Finland																													
<b>Final Beneficiary</b>	HSL																													
<b>Sector(s) of investment</b>	Urban Mobility Service																													
<b>Total Project Development Services (PDS) cost</b>	EUR 1,700,000.00																													
<b>ELENA co- financing</b>	EUR 1,530,000.00																													
<b>Project Development Services (PDS) financed by ELENA</b>	<p>The ELENA-funded support project has the following scope, directly aimed at triggering and optimising the related investment programme:</p> <ol style="list-style-type: none"> <li>a. Coordination, management and capacity building on procurer side including key stakeholders</li> <li>b. Market dialogue and ecosystem building towards technology and service providers</li> <li>c. Development of the procurement, tendering and contractual framework</li> <li>d. Technical support to roll-out and deployment through simulations and system-level analysis</li> <li>e. Building and piloting business and ownership models for infrastructure and services</li> <li>f. Piloting and deploying innovative features on shared use of charging infrastructure</li> </ol>																													
<b>PDS Timeframe</b>	01.01.2020-31.12.2023																													
<b>Investment programme description</b>	<p>The investment program entails fast and slow charging equipment with related grid and management systems, BE-buses, fleet management system. With this investment in place, 18 % of the city buses in Helsinki Region will be electric with substantial climatic and local environmental benefits.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Investment component</th> <th style="text-align: center;">Total Investment cost (MEUR)</th> <th style="text-align: center;">% of total investment cost</th> </tr> </thead> <tbody> <tr> <td>1) Fast chargers</td> <td style="text-align: center;">8.2</td> <td style="text-align: center;">8 %</td> </tr> <tr> <td>2) Buses</td> <td style="text-align: center;">80.0</td> <td style="text-align: center;">83 %</td> </tr> <tr> <td>3) Open charging interfaces</td> <td style="text-align: center;">0.8</td> <td style="text-align: center;">1 %</td> </tr> <tr> <td>4) Depot chargers</td> <td style="text-align: center;">3.4</td> <td style="text-align: center;">4 %</td> </tr> <tr> <td>5) Refurbishment investments</td> <td style="text-align: center;">0.4</td> <td style="text-align: center;">0 %</td> </tr> <tr> <td>6) Charging system for electric ferries in Helsinki, one unit.</td> <td style="text-align: center;">2.5</td> <td style="text-align: center;">3 %</td> </tr> <tr> <td>7) Fleet management</td> <td style="text-align: center;">1.0</td> <td style="text-align: center;">1 %</td> </tr> <tr> <td><b>Total</b></td> <td style="text-align: center;"><b>96.3</b></td> <td style="text-align: center;"><b>100%</b></td> </tr> </tbody> </table>			Investment component	Total Investment cost (MEUR)	% of total investment cost	1) Fast chargers	8.2	8 %	2) Buses	80.0	83 %	3) Open charging interfaces	0.8	1 %	4) Depot chargers	3.4	4 %	5) Refurbishment investments	0.4	0 %	6) Charging system for electric ferries in Helsinki, one unit.	2.5	3 %	7) Fleet management	1.0	1 %	<b>Total</b>	<b>96.3</b>	<b>100%</b>
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<b>Investment amount to be mobilized</b>	EUR 96,3m																													
<b>Description of the approach to implement the Investment Programme</b>	Investments in infrastructure will be undertaken by the municipal authorities, while the private sector PTOs will invest in BE-buses as PSCs are tendered during the project period.																													
<b>Expected results of investments planned</b>	320 buses run by HSL will be electrified, and the charging infrastructure is opened for other municipal and private heavy duty service vehicles.																													
<b>Leverage factor (Minimum 10)</b>	63																													
<b>Status</b>	Contract signed 19/12/2019																													
<b>Contact person at ELENA beneficiary</b>	Mr. Reijo Mäkinen - <a href="mailto:reijo.makinen@hsl.fi">reijo.makinen@hsl.fi</a>																													