



## MADEV (MADrid Electric Vehicles)

<b>Location</b>	<b>City of Madrid, Spain</b>
<b>Beneficiary</b>	Empresa Municipal de Transportes de Madrid S.A. (EMT) Public Transport company owned by Madrid City Council.
<b>CoM signatory</b>	YES (28 <sup>th</sup> November 2008)
<b>Sector</b>	Urban Public Transport EE. Electromobility
<b>Total PDS cost</b>	EUR 1 304 640
<b>ELENA contribution</b>	EUR 1 148 083 (88%)
<b>Project development services (PDS) financed by ELENA</b>	<p>The ELENA assistance will support the first large scale investment programme for electric vehicles in Spain.</p> <ul style="list-style-type: none"> <li>▪ Assessment and support for the selection of the best business models</li> <li>▪ Support for the legal implications of the project</li> <li>▪ Support the identification of administrative requirements</li> <li>▪ Implementation of management and monitoring tools to ensure a proper coordination</li> <li>▪ Support on the development of public charging network</li> </ul>
<b>Description of ELENA operation</b>	A Project Implementation Unit will be established within the EMT to manage the investment programme. This unit will coordinate, promote and analyse the proposals from the sector stakeholders (energy companies, vehicle and charging station manufacturers, etc.) and from the Municipality of Madrid. It will also support them technically in the implementation. The unit will be made up of existing staff and additional staff working at EMT and will receive support from external consultants.
<b>Timeframe</b>	2011-2013
<b>Basis for investment identification</b>	<ul style="list-style-type: none"> <li>▪ SEAP developed in the framework of the Covenant of Mayors: Plan de Uso Sostenible y Prevención del Cambio Climático de la Ciudad de Madrid 2008.</li> <li>▪ Project MOVELE (2009-2010).</li> <li>▪ Integrated Strategy for Electric Vehicles Promotion in Spain, presented on 06 April 2010</li> </ul>
<b>Investment programme description</b>	<ul style="list-style-type: none"> <li>▪ Acquisition of 1 400 Electric Vehicles (EV)</li> <li>▪ Acquisition of 1 870 charging points (CP)</li> </ul>
<b>Investment to be mobilized</b>	The expected investments amount to EUR 53,4 million
<b>Expected results</b>	<ul style="list-style-type: none"> <li>▪ Energy savings: 4160 MWh/year</li> <li>▪ CO2 reduced: 1800 CO2-eq [t]/year</li> </ul>
<b>Leverage factor</b>	47
<b>Market replication potential</b>	The market replication potential for other municipalities, notably in the Spanish market, is considered high.
<b>Project status</b>	ELENA contract signed on 25 November 2010.
<b>Contact Person at Beneficiary</b>	Sergio Fernández Balaguer <a href="mailto:Sergio.fernandez@emtmadrid.es">Sergio.fernandez@emtmadrid.es</a>