

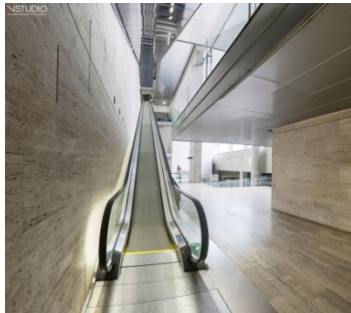


ELENA Completed Project Factsheet
Renewable and Energy Efficiency in Diputació de Barcelona
(REDIBA)

Location	Barcelona Region, Spain
Beneficiary	Diputació de Barcelona (Barcelona Provincial Council)
CoM signatory	Territorial Covenant of Mayor Coordinator
Sector	RES (mostly biomass) and EE
Total PDS costs	EUR 2 770 579
ELENA contribution	EUR 1 999 925
Project development services financed by ELENA	<p>Development and rolling out of the investment programme:</p> <ul style="list-style-type: none"> Establishment of a contractual framework to ensure the development of investments <p>Implementation of the EE projects through the involvement of ESCOs</p>
Description of ELENA operation	<p>A Project Implementation Unit (Local Energy Management Support Section) was set up to:</p> <ul style="list-style-type: none"> Promote and analyse proposals of potential projects by municipalities; Provide technical support to municipalities in the implementation of their projects. <p>In addition, 14 external studies were contracted, including: market analysis, strategy development for the participation of ESCOs in the project, establishment of the contractual framework and models of procurement specifications for the different products selected, legal support services and technical requirements of the technical assistances in public lighting.</p>
Timeframe	April 2010 – June 2014
Basis for investment identification	The previous study done by the EIB about the potential of investments in energy efficiency and renewable energy in the province as well as the development of Sustainable Energy Action Plans (SEAPs) in municipalities of the Barcelona Region (financed by the region).
Investment programme description	<p>Energy Efficiency in Street Lighting projects (85% of the amounts invested).</p> <p>RES production measures (10% of the investments, mostly biomass for heat supply, other investments linked to some PV projects and implementation of geothermal and solar thermal projects). Half of the predicted initial investments was PV roof projects but due to a change in the photovoltaic regulation (end of the feed-in-tariff scheme), they became unprofitable.</p> <p>Energy Efficiency in Public buildings (≈5% of the investment budget)</p>
Investment in implementation phase	EUR 95 994 657
Expected results	<ul style="list-style-type: none"> Energy savings: 39.3GWh/y RE heat and electricity generation: 9.8 GWh/y CO2 reduction: 16 624 t/y Jobs created: 350 direct jobs during construction phase of the projects

Leverage factor	48
Lessons learnt	Beyond encouraging municipalities to conduct Sustainable Energy Action Plans, the Territorial Covenant of Mayor coordinator could also ease the implementation of the 2020 targets and the ELENA facility is an excellent tool in this way. The economic crisis had a huge impact on the Spanish local administration. This situation, combined with the increasing energy prices, will make energy efficiency projects even more interesting and necessary for the economical sustainability of local administrations.
Further information sources	http://www.diba.cat/mediambient/elena
Contact person at Beneficiary	Ferran Vallespinós, Diputació de Barcelona, elena@diba.cat

Some of the investments projects:



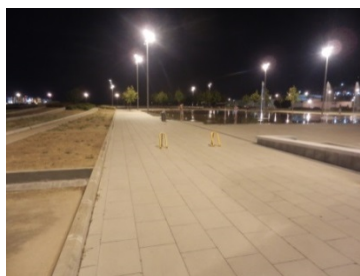
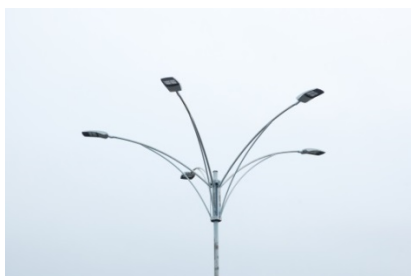
EE improvement of CCBB escalators



Biomass District Heating in Vic



View of Manlleu PV



Sabadell Street Lighting Project