



ELENA Completed Project Factsheet
Greater Manchester Low Carbon Delivery Unit
(Manchester LCDU)

Location	Greater Manchester, United Kingdom
Beneficiary	Greater Manchester Combined Authority (GMCA)
CoM signatory	No
Sector	Heat networks Street lighting
Total PDS costs	EUR 1 298 834
ELENA contribution	EUR 1 168 950
Project development services financed by ELENA	The project development services supported the development of the Greater Manchester low carbon investment programme and focused exclusively on the development of district heating projects and on supporting energy-efficient street lighting projects.
Description of ELENA operation	The Elena funding supported the creation and development of a Low Carbon Development Unit (LCDU). Its main tasks included supporting the development of street lighting investment projects and district heating network investment projects. GMCA contracted the services of external experts/subcontractors with relevant legal, financial/commercial, technical and project management expertise to support the implementation of the project. Legal, procurement and technical services were provided thanks to the ELENA support.
Timeframe	July 2015 – May 2019
Basis for investment identification	The investment programme was prepared on the basis of information provided by the GMCA.
Investment programme description	<ul style="list-style-type: none"> • Implementation of the Manchester Civic Quarter Heat Network. The CQHN project includes the creation of an architecturally striking low-carbon Energy Centre at Manchester Central Convention Complex incorporating CHP and boilers connected to a 2km district heating network. • Retrofit or more than 50.000 street lighting points in Manchester
Investment in implementation phase	EUR 56m, out of which EUR 32m were invested in Public Lighting EUR 24m were invested in District Heating
Results expected to be achieved	<ul style="list-style-type: none"> • Energy saved: 30 GWh/year • CO₂ savings: 11,640 tCO₂eq/year
Leverage factor achieved	48

Lessons learnt	<p>Even with clear political support for low carbon projects finding the funding to bring Heat Networks projects to an investible level is extremely difficult because they require large capital investment and will experience long term time frame return and therefore may require a longer process which does not necessarily match ELENA timeframe requirements.</p> <p>In these type of projects, special attention and support need to be provided to procurement processes.</p> <p>Team stability (low levels of staff/support rotation) are needed when dealing with complex projects.</p>
Further information sources	<p>https://www.greatermanchester-ca.gov.uk/what-we-do/environment/low-carbon-project-delivery-unit/</p>
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