



"Cities Standing up to Climate Change"

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EMPOWER **CITIES.** EMPOWER **PEOPLE.**

Cities standing up to climate change: ingoing hypothesis from the financier

- World Cities environmental footprint is poor (75% CO2 emissions)
- Implementing climate change related projects - **challenging !**
- Finding financing - **more challenging !**
- Political willingness to embark on the projects - **decisive!**
- No bankable project without viable feasibility study /project preparation
- No one financing solution for all: City to decide whether the leverage private finance or use their own funding

City Mayors need to deal with a number of issues – developing smart and resilient cities is in vogue



Sustainability

Smart citizens

Mobility

- Prioritise activities for the 4 years term
- Secure political support
- Use Private Public Partnerships to develop and implement innovative technological solutions






...is an instrument created by the European Commission to help to build resilient communities



- Managing complexity
- Ruling political majority at the local level

Combining grant schemes with the commercial financing to push for stronger climate action

	<u>Key project characteristics</u>	<u>eeef's contribution towards 'smart' or 'more smart' city</u>
	<p>Upgrade of the University Hospital in Bologna, Italy</p> <p>Largest hospital energy efficiency upgrade in Italy in form of the PPP</p>	<p>Financing via project bond structure over €42m under the newly established PPP scheme</p>
	<p>Energy audit City of Gijón, Spain</p> <p>Grant to conduct feasibility study of the street lighting infrastructure (40,000 lighting points) an public buildings (98)</p>	<p>Subsequent financing for the potential investment of €21.7m when the feasibility study has been completed successfully</p>
	<p>Energy audit City of Ferrara, Italy</p> <p>Grant to conduct feasibility study of the street lighting infrastructure (27,000 lighting points) an public buildings</p>	<p>Subsequent financing for the potential investment of €15.7 when the feasibility study has been completed successfully</p>
	<p>Street lighting upgrade City of Santander, Spain</p> <p>Grant to conduct feasibility study of the street lighting infrastructure an public buildings with the subsequent financing</p>	<p>Financing in the form of purchase of receivables resulting from the upgrade of the street lighting infrastructure after the feasibility study was completed</p>

City of Gijon embarked on the 'long' journey towards the clean energy economy



Gijon

- Since 3 years, the City has been positioning itself as 'Gijón en Europa' with a number of projects and initiatives at European level.
- The new City plan of action for sustainable energy to transform Gijon to apply energy saving solutions/emissions reduction initiatives
- Implementing climate change related projects is impossible without:
 - i. launching feasibility studies
 - ii. legal, financial & technical project experience
- Projects to be implemented without affecting the City budget, i.e. no debt raising



eeef

- Designed to assist municipal authorities to fulfil energy and CO₂ targets
- Experienced partner in energy efficiency projects at the local level and their legal, financial, technical background
- eeef's flexible financing instruments reduce risks for the City
- Technical Assistance for feasibility studies is linked to the eeef funding

Gijon and eeef have launched a project together:
Step 1: Complete energy audits (street lighting, building upgrade) by 2018

Step 2: Launch the investment programme by 2019



Street lighting upgrade in the City of Venlo, Netherlands as a part of the clean energy concept



www.eeef.eu/video-venlo.html



SMARTCITY

EXPO WORLD CONGRESS

