

## Energy networks in sustainable cities

5 years  
Integrated Project  
VI Framework Program

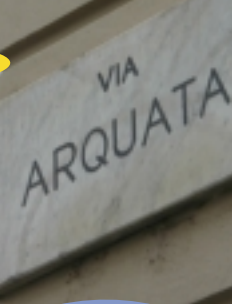
### Objectives:

- To verify the impact of a coordinated plan of energy efficiency measures on a district scale
- To evaluate socio-economic impact and sustainability of the measures



**Torino demonstration site**

The Italian project will be implemented in the Arquata district: **30 residential council buildings and one office building**, 2500 involved people

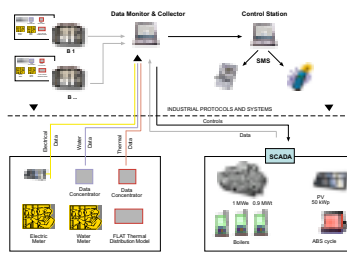


### Energy efficiency improvements

POLYCITY measures:  
District heating, Cogeneration, Photovoltaic, Low emitting glazing, Thermal Insulation

### The telematic energy manager

Development and testing of a telematic system, developed by CRF, for the integrated energetic management of the district as a whole.



### Socio-economic research

A framework for the evaluation of POLYCITY social, economic and environmental impact, through direct involvement of inhabitants



5 Italian partners coordinated by CRF



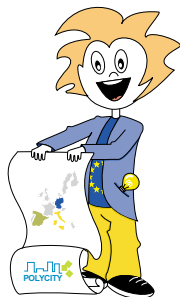
### Expected results

- 46% Primary Energy
- 47% CO2 emission

with respect to values before district riqualification

### International partners

3 regional projects ( Italy, Germany, Spain ) + associated communities from Eastern Europe and Canada



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