

Learning from Europe to develop smart city solutions in Milan



Milan: big strides and big ambitions in becoming a smart city in Europe

Sustainable innovation during a harsh and prolonged economic crisis **requires radical changes in the way people live, move and work in Milan**, and the way Milan engages with its citizens.

Milan = first Italian Smart City, introduced Smart City guidelines in 2014.

- Heavily invested in renovation and development projects and experiments with new and innovative energy technologies
- Global pioneer in bio-waste recycling and a leader in bike and car sharing services
- Recently received the OECD's Transport Achievement Award for having introduced a congestion charging scheme

By 2020, the city aims to:

- Improve accessibility
- Further promote inclusion
- Support efforts toward sustainability
- Foster green growth and efficiency
- Establish public-private schemes to encourage long-term investment in business, research and innovation

Citizens, not technology are at the heart of Milan's smart city solutions.

Participation in 'Sharing Cities' to implement a common, collaborative approach for creating a smart city

- Joined in January 2016
- One of three strategic cities, cooperating with 'fellow' city Burgas, Bulgaria
- €24m in Horizon 2020 funding (€2m allocated to Milan)

'Sharing Cities' provides city-to-city mutual learning opportunities

- Peer learning visit and follow-up webinar to find out about Milan's smart city solutions and interact with experts
- Two workshops on urban mobility and co-designing shared smart urban services
- Two international delegations to promote Sharing Cities and Milan's smart city approach

Example of a collaborative process: Building retrofit

- Burgas to co-develop, validate and implement the Sharing Cities solutions and models implemented in Milan, such as building retrofit

Co-creation to improve living environment and reduce energy costs

Outcomes/ Benefits

- The project is being implemented in Milan's demonstration district, Porta Romana/ Vettabbia, an area already affected by other important urban transformation projects
- Retrofit buildings, introduce shared electric mobility services, and install energy management systems, smart lamp posts and an urban sharing platform through engaging with citizens:
 - 21,000 m² private buildings retrofit; 4,000 m² public buildings retrofit; 62 e-cars; 150 e-bikes/14 stations; 60 charge points; 125 parking bays; 10 e-logistics vehicles; 300 smart lamp posts; 1 social housing car sharing; Smart city lab
- The area's renewal will connect the historic centre of the city to its agricultural belt by "stitching together" two geographically, economically and socially separated areas
- Implementation of the "Smart City" approach will enable a series of projects that will transform the neighbourhood into an open-air laboratory and lead to innovation for the whole city
- **By sharing solutions, practices, experiences and results, and improving the way European partners manage city data and infrastructure, Sharing Cities co-creates an improved living environment and reduces energy costs**

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