

A wide-angle photograph of a city skyline, likely London, featuring a mix of modern glass skyscrapers and older stone buildings. In the foreground, there is a large green park with trees and a body of water. The sky is filled with soft, white clouds.

Learnings from the Sharing Cities Project

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PLATFORM



3
city-wide open
data platforms



3
city-wide sustainable
energy management
systems

PEOPLE



1,700
users on
digital
social
markets

PLACE



2,000
planned e-bikes

855
e-bikes
operational



2,400
smart
lampposts



167
e-logistics
vehicles



343
smart
parking
spaces



113
e-cars



311
e-charge
points

6,125,000
kWh/y
reduction
in energy



Objectives

- Demonstrate benefits of scale
- Low carbon technology
- Open up and accelerate the market
- Make the case for collaboration

An impressive record of delivery



completed pioneering energy retrofit of Lisbon's iconic City Hall



reduction of 6,124,494 kWh/yr through retrofitting buildings



Privacy Impact Assessment



eMobility measures: On course to achieve 1,916 tCO₂ savings, representing a 70% over-delivery



first UK water sourced heat pump on public housing



led on the development of European and UK smart cities networks



45% more units of technology delivered than what we were committed to deliver in the original bid

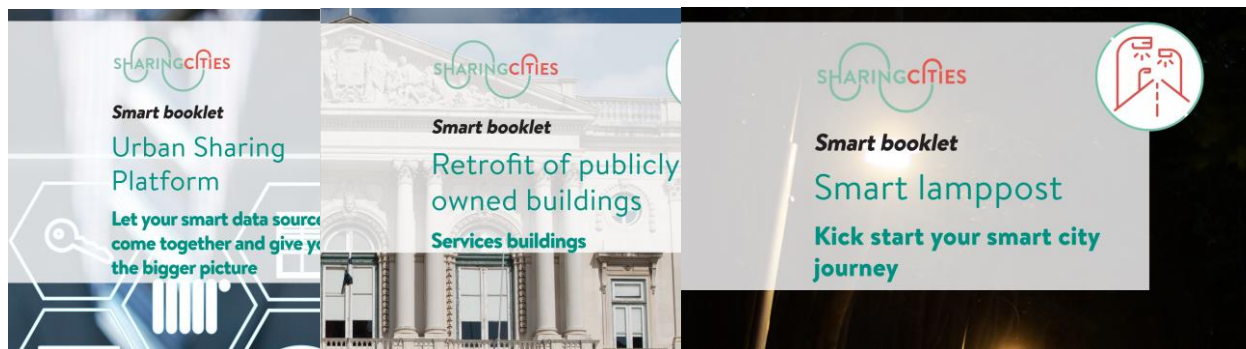


real-time data fed to the London Datastore

Tools which Cities Can Use – Smart Booklets

The Sharing Cities Smart Booklets provide short summaries of the key solutions with outline of the scope, technology deployed, Funding & Finance and Common Challenges & Recommendations

<http://www.sharingcities.eu/sharingcities/smartcities>



Building retrofit

Conduct deep energy retrofits of public/private residential properties affecting 15,000 people. This includes integration of low-carbon energy sources, physical modernisation, digital controls, and promote policy innovations and citizen/private incentives to save energy.



Citizen engagement

Develop new approaches and tools to improve the public's understanding of how smart cities should operate. Promote the citizens' active participation.



Energy management

Implement Integrated Energy Management System to integrate and optimise energy from all sources in districts (and interface with city-wide system); including demand response measures.



Urban sharing platform

Manages data from a wide range of sources, including sensors, as well as traditional statistics. It is built on common principles, open technologies and standards.



Smart lampposts

Demonstrate smart lighting integrated with other smart service infrastructure (eV charging stations; smart parking; traffic monitoring via sensors; data management, wifi, etc). A swift and secure way to 'bootstrap' smart cities.



E-mobility

A portfolio of inter-connected initiatives supporting the shift to low carbon shared mobility solutions: e-bike sharing, e-car sharing, e-logistics, e-vehicle charging points and smart parking.

Tools which Cities Can Use – Smart PlayBooks

The Sharing Cities playbooks are comprehensive implementation toolkits designed to help cities interested in - or in the process of - replicating smart cities solutions, to understand the steps required to successfully implement these new technologies in their own urban contexts.

The playbooks provide practical guidance and insights, answer common questions and concerns, and provide recommendations through the knowledge gained from testing and implementing the solutions in the three lighthouse cities of London, Lisbon and Milan.

<http://www.sharingcities.eu/sharingcities/resources>





The Sharing Approach

PRINCIPLES

DOING



THE RIGHT THING



THE RIGHT WAY



WITH THE RIGHT TECH



DOING THE RIGHT THING

- Led by outcomes
- Tech is only one solution
- Start with the user needs
- Create a vision
- Define problem
- Prioritise with citizens



IN THE RIGHT WAY

Co-design and collaborate

- Reduce barriers to collaboration
- Put people at the heart
- With SMEs and large businesses and
- Academics

Ethical and transparent

- With and for citizens
- Clear lines of responsibility
- Open decision making
- Mapping who's doing what

Protect people's privacy

- GDPR
- Data management (processing and analytics)



WITH THE RIGHT TECH

Safe and resilient

- Cyber security
- Data protection
- Operationally sustainable

Compatible and consistent

- Common standards that enable interoperability
- Promotes sharing (learning, use cases and data)
- Scaling policy decisions

Positive environmental impact

- Prioritising sustainable technology

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