

INTRODUCING THE GROWSMARTER PROJECT

Bringing together cities &
industry to stimulate uptake of
‘smart city solutions’

Press Pack



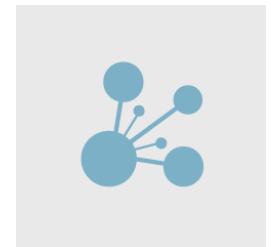
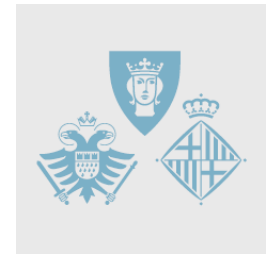
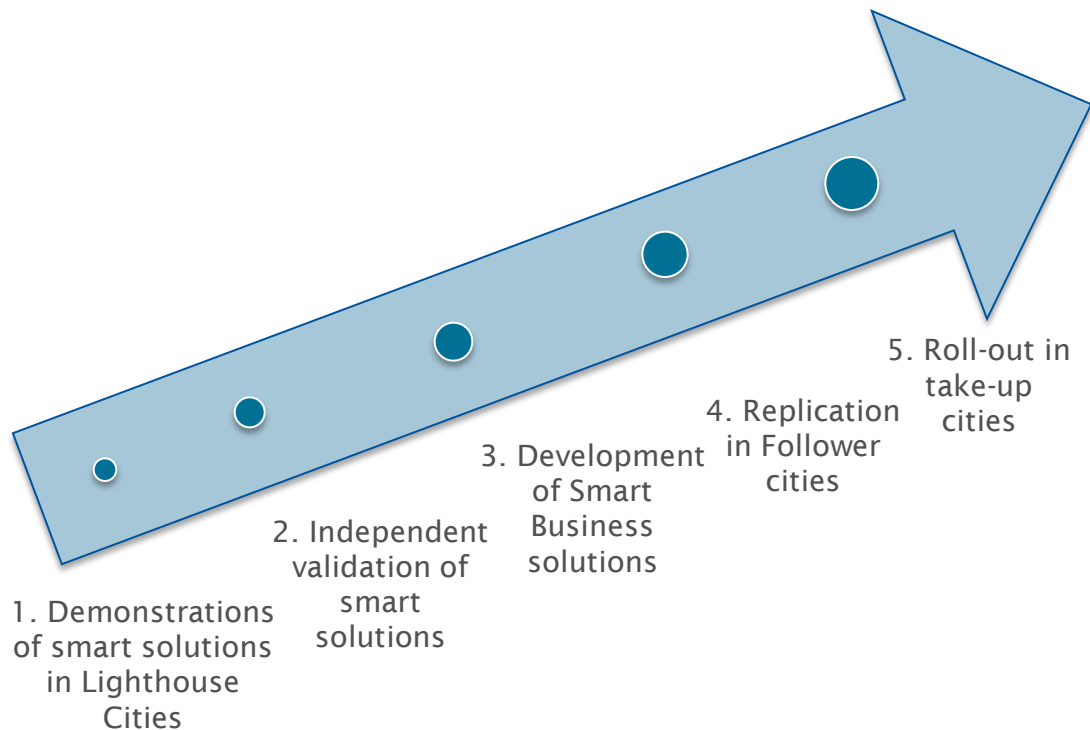
Cities face the same challenges

In a rapidly urbanising world cities need to become smarter to respond to citizen needs and to reduce their environmental footprint.

GrowSmarter brings together cities and industry to integrate and demonstrate ‘12 smart city solutions’ in energy, infrastructure and transport, to provide other cities with valuable insights on how they work in practice and opportunities for replication.

The GrowSmarter project

..aims to demonstrate, validate & market 12 smart solutions and thereby support the transition to a smarter, more sustainable Europe



12 smart solutions

..cover three areas: low energy districts, integrated infrastructure and urban mobility. They are designed to:

- improve the quality of life for the inhabitants in the city providing better dwellings, more reliable infrastructure & better mobility;
- help create growth in local enterprises that will help bring down unemployment and help improve the local economy;
- help save money for the municipality. This can be done by investing in smarter solutions to bring down operating costs.



12 smart solutions – low energy districts

Ways to create more energy efficient neighbourhoods..

1. Smart lighting, lampposts as hubs for communication
2. Efficient and smart climate shell refurbishment
3. Smart building logistics and alternative fuelled vehicles
4. Smart energy tenants through information
5. Smart local production of electricity and integration with buildings and grid
6. Waste heat integration by new business models
7. Smart waste collecting, turning waste to electricity, heat and biogas for vehicles
8. Big data protocol for saving energy and improving the quality of life



12 smart solutions – integrated infrastructure

Ways of maximising energy use through integrated infrastructure...

5. Smart local production of electricity and integration with buildings and grid
6. Waste heat integration by new business models
7. Smart waste collecting, turning waste to electricity, heat and biogas for vehicles
8. Big data protocol for saving energy and improving the quality of life



12 smart solutions – urban mobility

Ways to create a more sustainable urban environment...

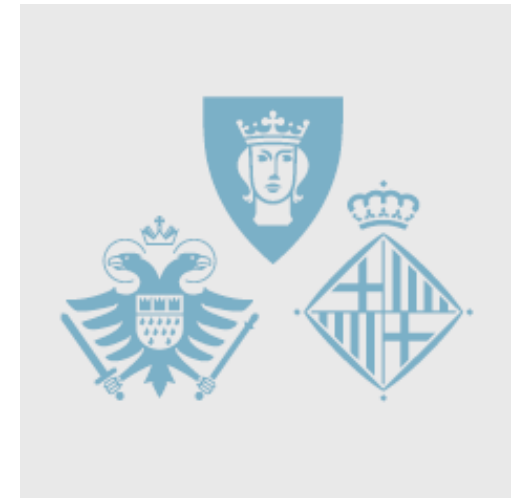
- 9. Sustainable delivery
- 10. Smart traffic management
- 11. Alternative fuel driven vehicles for de-carbonising and better air quality
- 12. Smart mobility solutions



3 Lighthouse cities

Rolling out the 12 smart solutions in our 3 lighthouse cities....

- City of Stockholm: <http://international.stockholm.se/>
- City of Cologne: <http://www.koeln.de/>
- City of Barcelona: <http://www.barcelona.cat/ca/>



5 Follower cities

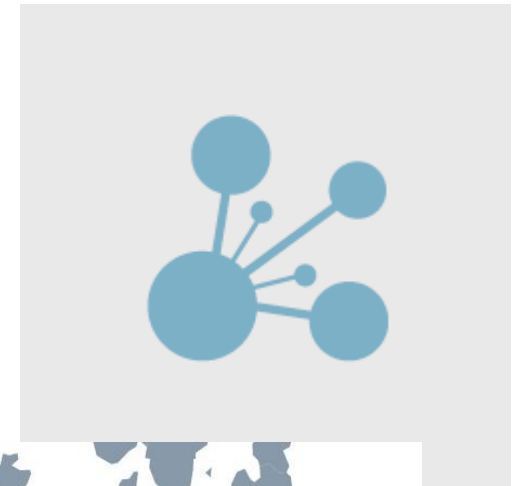
Knowledge exchange and transfer is key to the success of GrowSmarter.

Five cities:

- Valletta: <http://www.transport.gov.mt/>
- Suceava: <http://primariasv.ro>
- Porto: <http://www.cm-porto.pt/>
- Cork: <http://www.corkcity.ie/>
- Graz: <http://www.smartcitygraz.at/>

will closely follow the lighthouse cities to:

- learn from their experiences
- identify smart solutions suitable for their local context
- develop replication plans tailored to local needs



3 targets

...the 12 solutions are designed to meet the three pillars of sustainability: economic, social and environmental. As such it has set some tough targets:

- 1,500 jobs across Europe;
- aims to reduce energy usage by 60 percent;
- and cut EU transport emissions at project level by 60 percent.



Our partners...

.. Include leading academic institutions, city networks and more than 20 industry partners:

- KTH (Kungliga Tekniska Högskolan): <https://www.kth.se/en>
- IESE Business School, University of Navarra: <http://www.iese.edu/en>
- ICLEI – Local Governments for Sustainability: <http://www.iclei-europe.org/>
- Regional Environmental Centre for Central & Eastern Europe (REC): <http://www.rec.org/>
- POLIS: <http://www.polisnetwork.eu/>
- Envac AB: <http://www.envacgroup.com/>
- Veolia Nordic: <http://www.veolia.se/>
- Fortum: <http://www.fortum.com/en/pages/default.aspx>
- Carrier Transport AB: <http://www.carrier.se/>
- Skanska: <http://www.skanska.com/>

Our partners...

- .. Include leading academic institutions, city networks and more than 20 industry partners:
- Info24: <https://www.facebook.com/info24ab>
- Stockholmshem: <http://www.stockholmshem.se/>
- Insero E-Mobility: <http://insero.com/en/about-us/companies/insero-e-mobility/>
- Ampido: <https://www.ampido.com/>
- Cambio: <http://www.cambio-carsharing.de/koeln>
- Kölner Verkehrs-Betriebe (KVB): <http://www.kvb-koeln.de/>
- AGT International: <https://www.agtinternational.com/>
- Deutsche Wohnungsgesellschaft (DEWOG): <http://www.dewog.de/>
- Endesa: <http://www.endesa.com/>
- Cellnex: <https://www.cellnextelecom.com/>

Our partners...

.. Include leading academic institutions, city networks and more than 20 industry partners:

- Anteverti: <http://www.anteverti.com/eng/>
- Barcelona Supercomputing Centre: <http://www.bsc.es/>
- CENIT – Center for Innovation in Transport: <http://www.cenit.es/>
- Gas Natural SDG S.A.: <http://www.gasnaturalfenosa.com/>
- Fundacio i2Cat: <http://www.i2cat.net/en>
- IREC\Energy research Center: <http://www.irec.cat/>
- Schneider Electric: <http://www.schneider-electric.com/ww/en/>
- Urbis Up: <http://www.urbisup.com/>
- IBM: <http://www.ibm.com/us/en/>