OPEN DAYS
12th European Week of Regions and Cities
Brussels
6 - 9 October 2014

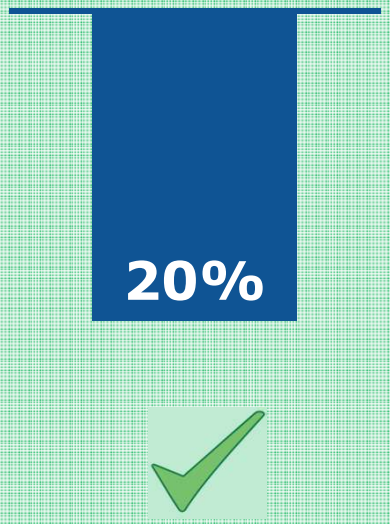
The European Innovation Partnership on Smart Cities and Communities

Jens Bartholmes
DG Energy

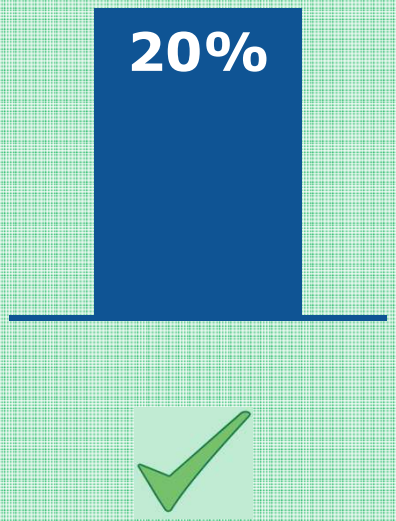
Growing together
Smart investment for people

What about the 20-20-20 targets?

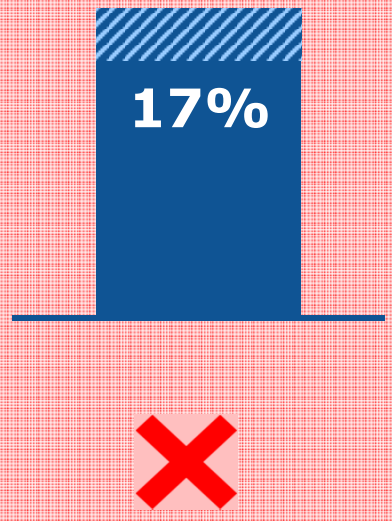
Reduce greenhouse gas emissions by 20%



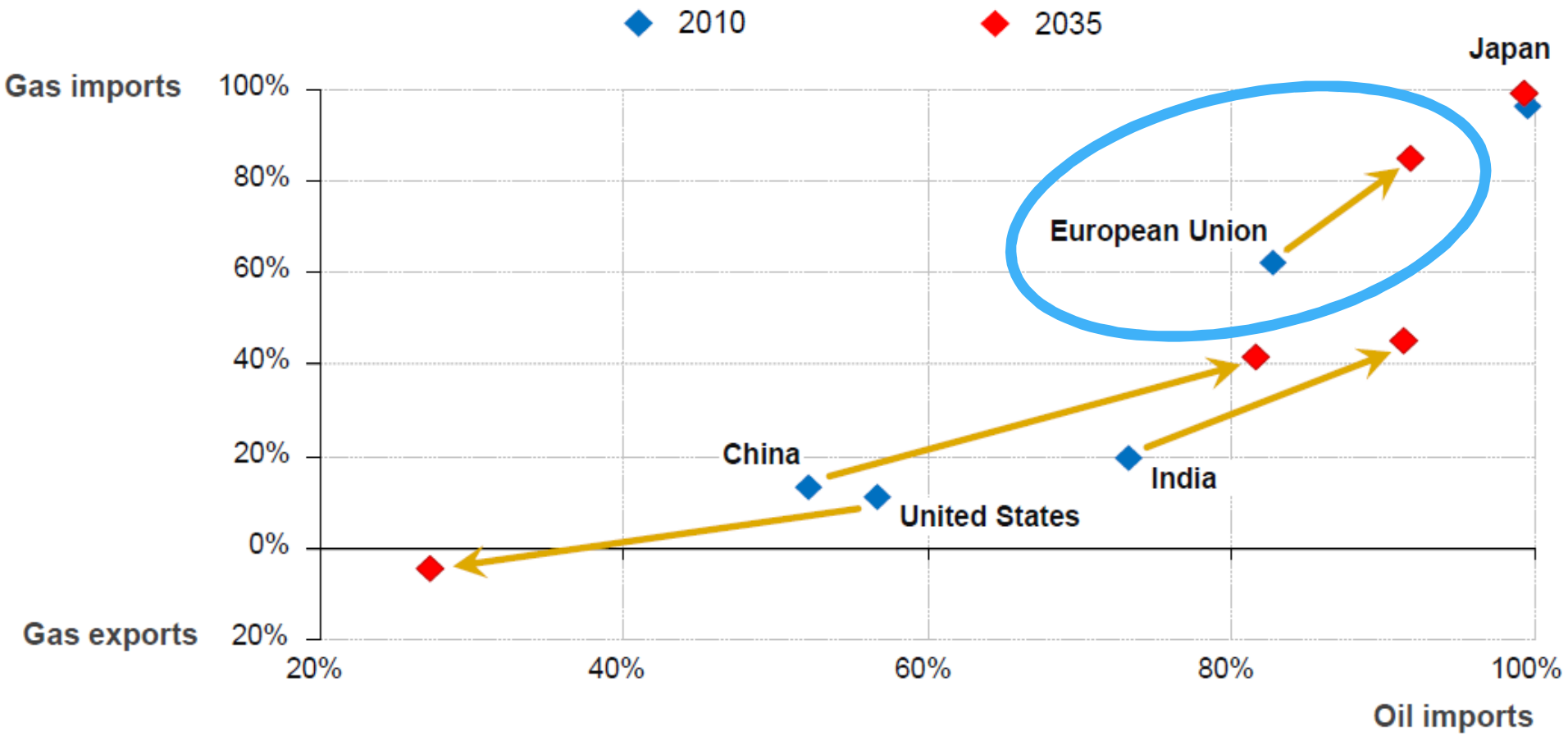
Increase share of renewable energy to 20%



Increase energy efficiency by 20%



Dependance on energy imports



Source: IEA

Energy Efficiency Target

415 mio tons of oil

which the EU does not have to import on a yearly base

≈

193 €bn

annual savings based on conservative estimate of 73€/barrel

≈

1000 coal power plants less

or 500.000 wind power plants less

≈

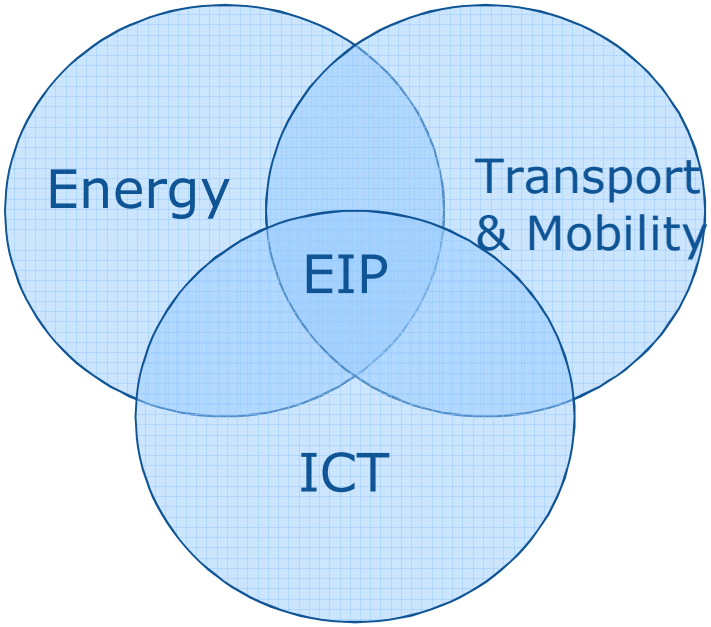
GDP of Finland

(2012)

- European cities consume 70% of energy
- Important role of local actors (regions/ cities/ citizens / private sector etc.) in the energy transition
- Outreach of local and regional energy transition is high on the agenda of the Commission

Smart Cities EIP

- **Integrated** approach
  - **Energy, Transport and ICT**
  - ICT as enabler and consumer
- Focus on **intersection**
- Key role for **industries** and **cities**
- Governance structure (Top down – bottom up)

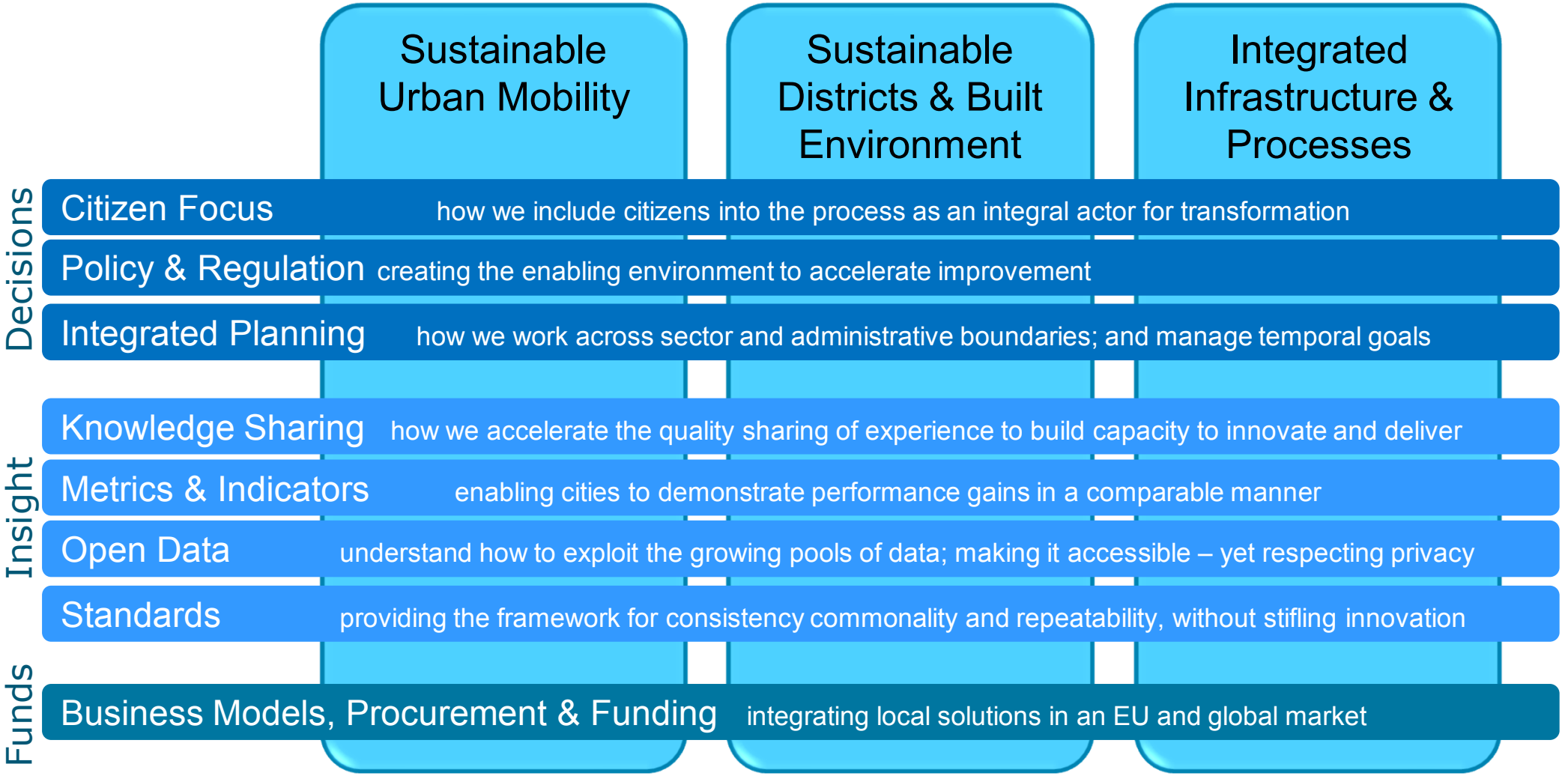


Smart Cities EIP 'Philosophy'

- Tackle **common challenges** & bottlenecks
- Develop **innovative & replicable** solutions
- **Bundle** demand from cities and regions
- Attract and **involve business and banks**

→ **Create markets!**

Strategic Implementation Plan (SIP) – Priority Areas



Smart Cities EIP 'Philosophy'

- Tackle **common challenges** & bottlenecks
- Develop **innovative & replicable** solutions
- **Bundle** demand from cities and regions
- Attract and **involve business and banks**
- **Align** initiatives/programmes/funding (H2020, ESIF, etc)

  Create markets!

Invitation for Commitments

- The Invitation for Commitments is distinct and independent from Calls under Horizon 2020

*We received **370** Smart City commitments*

Bringing together more than 3000 partners from cities, communities, industry, research and other civil society organisations from across Europe

Tomorrow…

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http://ec.europa.eu/eip/smartcities

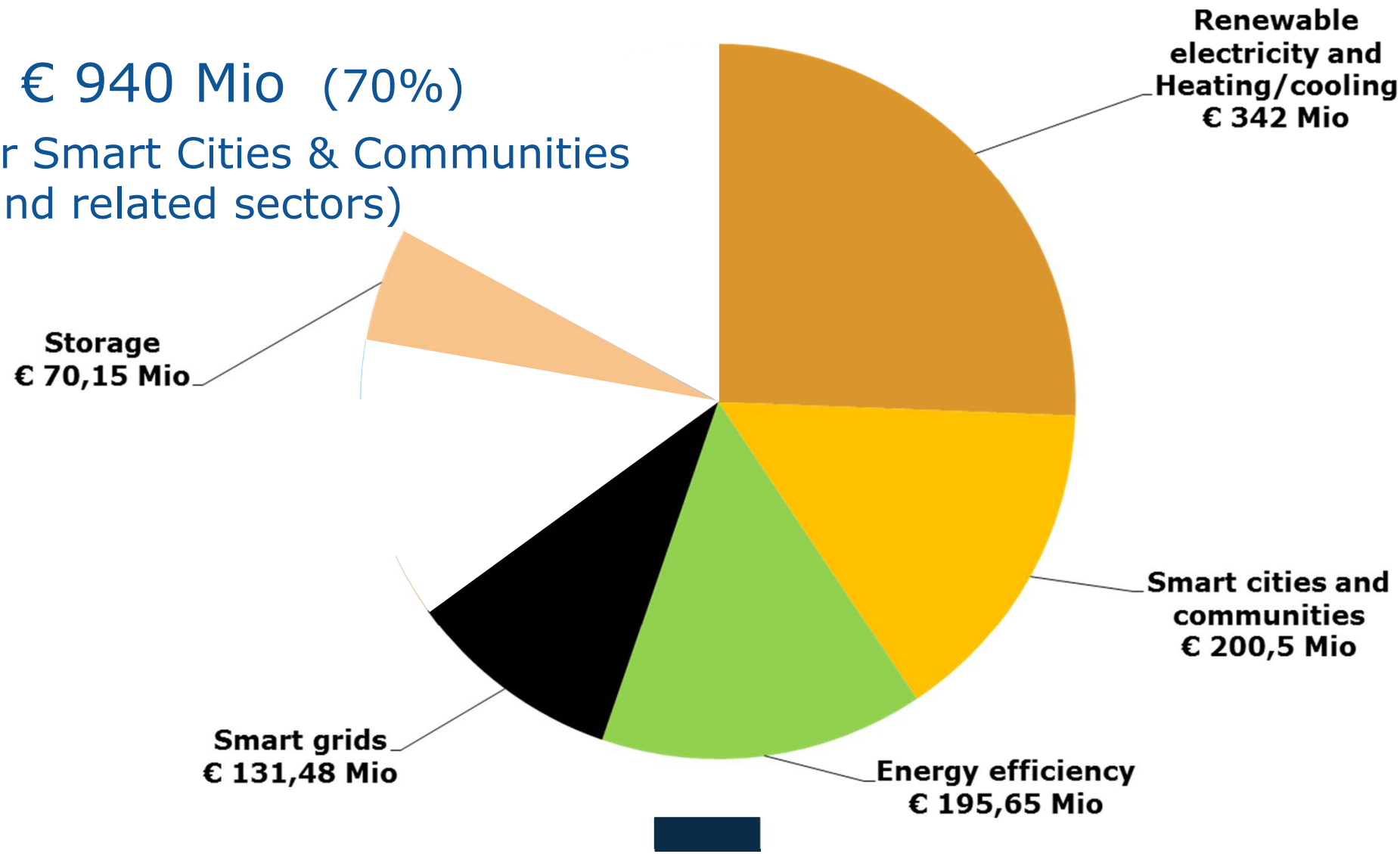
http://eu-smartcities.eu

ec-smartcities@ec.europa.eu

Horizon 2020 - Energy Budget 2014/2015

≈ € 940 Mio (70%)

for Smart Cities & Communities (and related sectors)



Lighthouse projects

Smart solutions integrating the 3 sectors Energy, Transport and ICT

- *Innovate*
- *Integrate*
- *Replicate*

- *Low energy districts*
- *Integrated infrastructures*
- *Sustainable urban mobility*

Energy

Lighthouse projects

- *Consortia: industries and cities*
- *2-3 Lighthouse cities*
- *2-3 Follower cities*
- *Multi-sector*
- *Embedded in urban plans*
- *Not just „stapled together"*
- *„Bankable" business models*