Network Smart City Berlin – Integrator of Urban Transformation Process

1 June 2017
Berlin is growing. By the year 2030, there will be 250,000 more people living in the city.
Transformation and innovation in Berlin

Berlin – a success story of transformation

- Experienced in urban transformation
- Two major phases of urban transformation: after 1945 and after 1990
- After 1990
  - Reconnection of the divided parts of the city
  - Implementation of large-scale renewal and development
  - Modernization of urban infrastructure

**INVESTMENTS in R&D annually**

1.5 billion €

**TOP INSTITUTES in Berlin**

100

**TECHNOLOGY CENTERS in Berlin**

22
Company foundations in Berlin

- 2014: 174,000 foundations
- ca. 500 ICT startups p.a.
- 2014/2015: ~9 bn€ turnover in ICT, 58,000 employees
Berlin as fastest growing city in Germany forces us to rethink concepts of providing urban infrastructure, waste management, health services, digital infrastructure, mobility concepts, and of course the way we supply electrical power and its origin in a smart way – always against the background of our aim of being climate-neutral by 2050.

From challenges to projects
WindNODE The showcase for the intelligent energy system in north-eastern Germany

1. ICT platform
2. Flexible generation
3. Efficient concepts for electricity networks
4. Networked customer
5. Market design and regulations
6. New flexibility options
7. Load shifting potential
8. District concepts (Smart City)
9. Participation and dissemination
Smart and integrated infrastructure

EUREF – Center of sustainable innovations

- Energy transition
- Smart Grids
- E-mobility
- Digitalization
- Industry 4.0
- Recycling
- Lighting / LEDs
Urban Platforms

Offene Daten lesbar für Mensch und Maschine. Das ist das Ziel.

Construction site information platform

Open data platform
InfraLab Berlin

- E-mobility: fleet sharing, charging infrastructure
- Digitalization: shared data, sensoric
- Circular economy: bio-diversity, reverse logistic
- Climate protection: solarcity concept, climate education
- ...
Berlin Agency of Electromobility

**Vehicles**
Development and Integration of smart vehicles into the traffic system

**Urban traffic**
Combination of electric traffic offers

**Mobility and energy**
Integration of electric mobiles as smart storage units
Smart Districts and Future Living

Vision

central, tangible
smart sustainable GREEN TECH district
managed by
smart citizens

Source: http://ssd-moabit.org/

Source: http://future-living-berlin.com/
The Network Smart City Berlin
The Smart City approach aims to find solutions to the ecological, social, economic and cultural challenges faced by Berlin through the use of intelligent technology. Berlin wishes to preserve – and as far as possible enhance – its appeal and its quality of life.
Network Smart City Berlin - organisation

Fields of Action

- Infrastructure
- Economy
- Government
- Security
- Housing
- Mobility

Source: Smart City Strategy Berlin 2015
Network Smart City Berlin - status quo

- Set-up of 5 working groups, core group and announcement of speakers
- Administration of the Unit Smart Cities @ Berlin Partner for Business and Technology
- bi-weekly meeting with representatives of the Senate Berlin
- 5 network meetings
- ca. 20 workshops
- 1 position paper
- Participation in national and international conferences and events
- Preparation of a strategic dialogue with the Senate to develop a roadmap für 2018 ff. (planned in autumn 2017)
Thank you!

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