

Curacao, January, 30th 2017

Maurits Kreijveld – wisdomofthecrowd.nl

The future of smart cities

- 1. Techno trends: future of the city
- 2. Market: platforms and convergence
 - 3. Towards inclusive smart cities

Trend 1: 'Senseable' cities

- Mobile internet: connectivity everyhere
- Sensors everywhere (Internet of Things)
- Smart buildings, street lighting, energy grids

Trend 2: Web as a smart brain

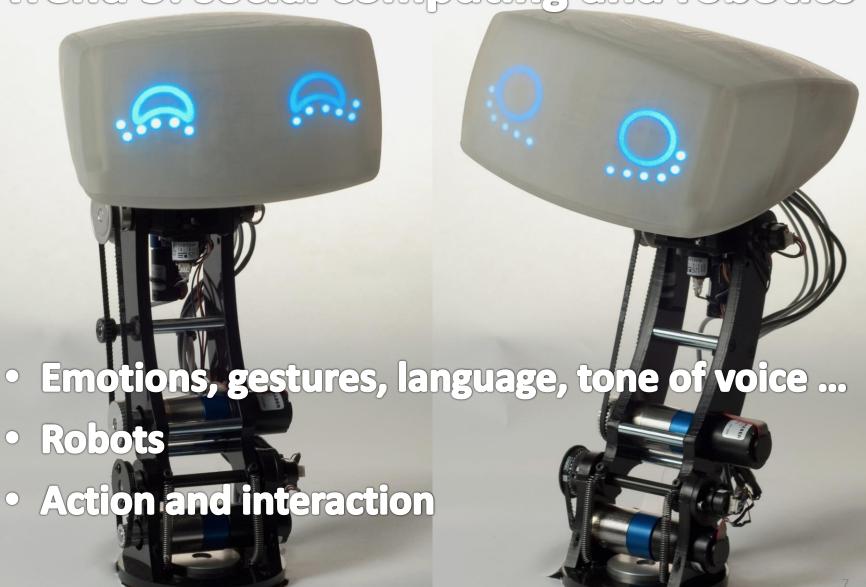
 Datastream mining: realtime insights from Big Data

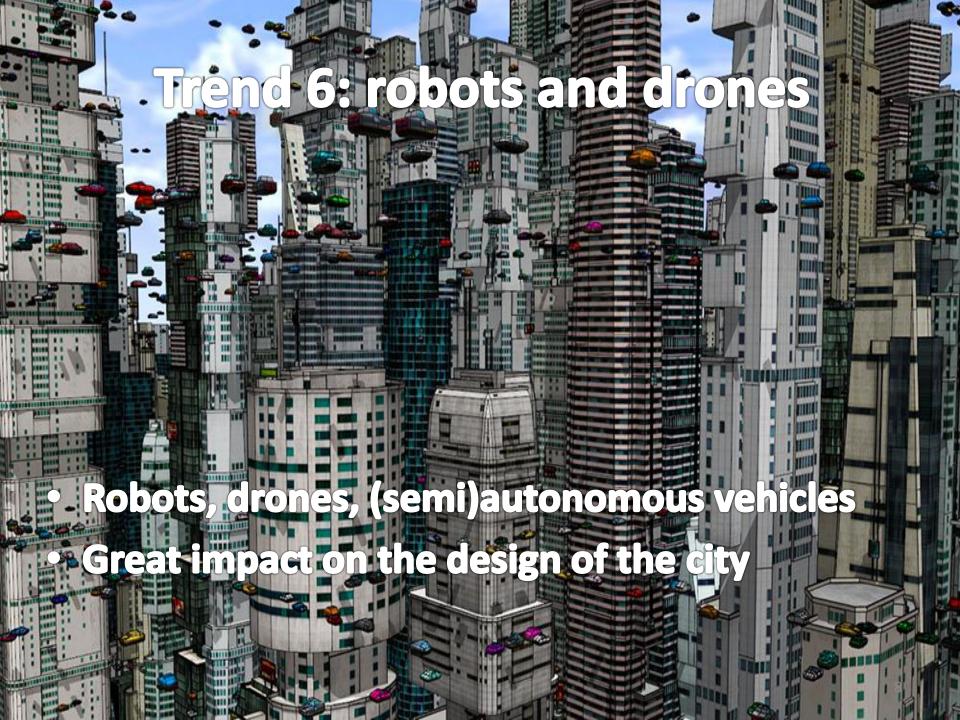
Trend 3: Social networks mapped

- Insights in social dynamics of cities, the spread of ideas, knowledge, rumours, riots,...
- Crowd control



Trend 5: social computing and robotics

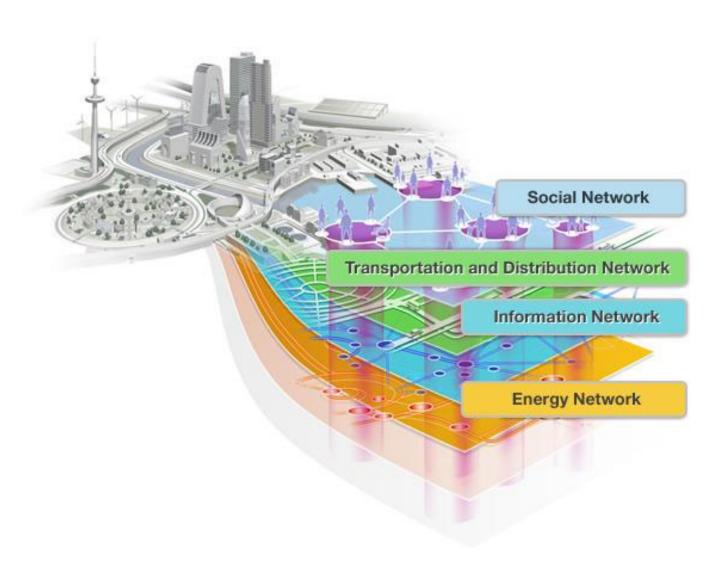








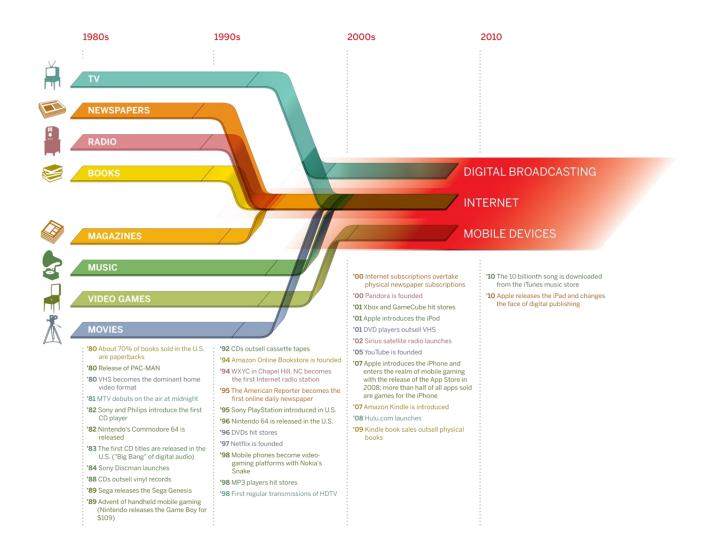
Smart cities: layers



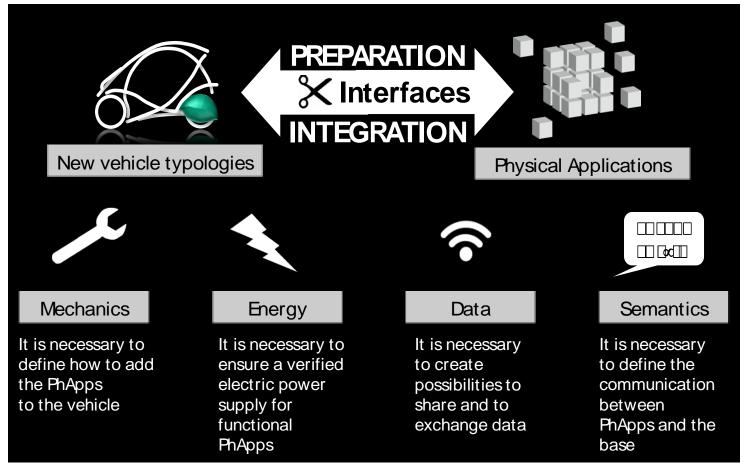
Market: Platform revolution

- Digital technologies impact all industries
- Cross sectoral, cross boundaries, cross layer
- Convergence of markets and competition
- Speed-up innovation (scale, efficiency)
- Universal infrastructures become platforms for multiple integrated services
- Cocreation between governments, industries, universities and citizens

Telecom and IT

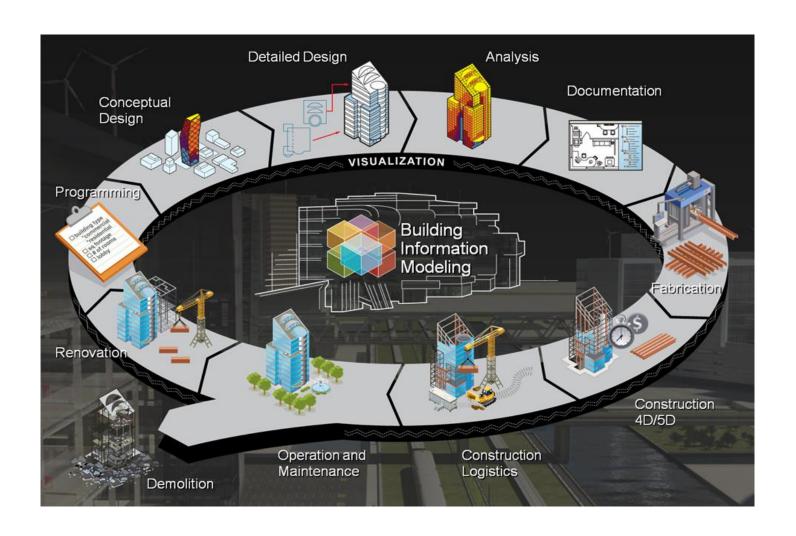


Smart mobility

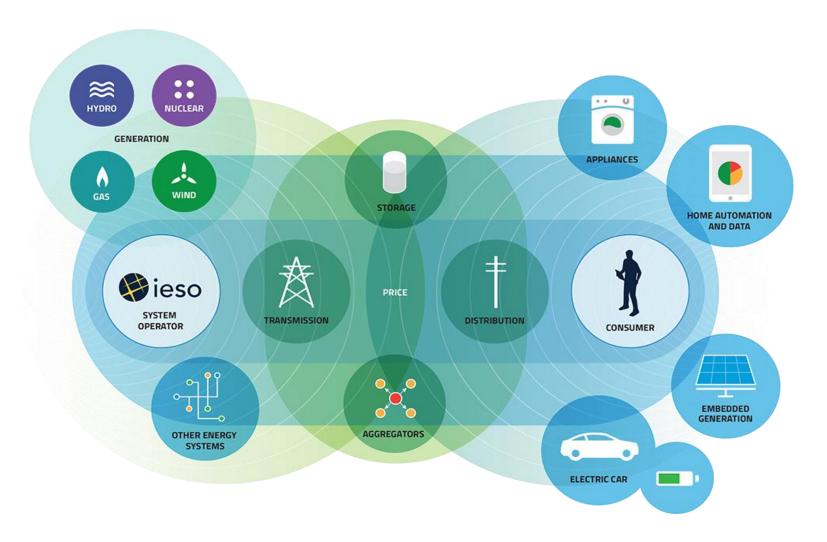


MIT & Audi

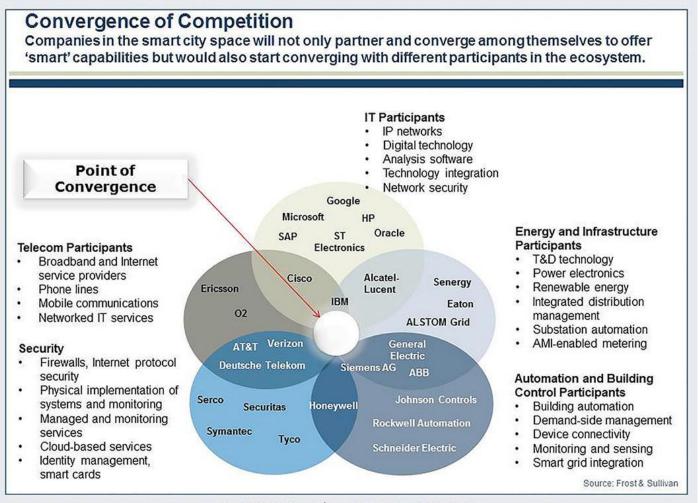
Smart buildings



Smart energy



Point of convergence



Smart city: 3 generations



Industry-led technology driven



City-led technology enabled 'mayors rule the world'

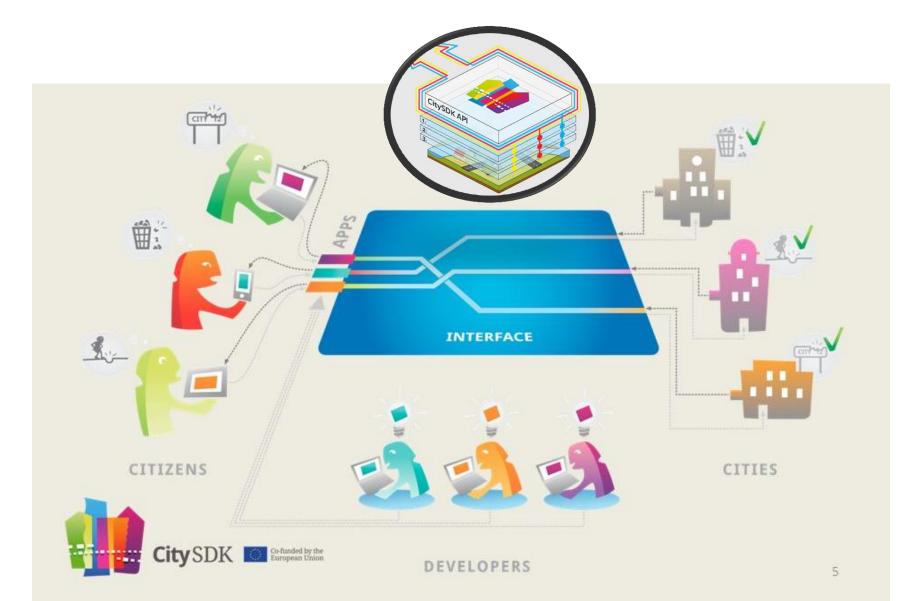
technology platforms



Citizen co-creation technology enabled participation, DIY, inclusive cities

cocreation platforms

Smart city appstore



Policy implications

- Public interests:
 - Access (e.g. net neutrality)
 - Interoperability to prevent lock in (e.g. open source)
 - Privacy (user control over data)
- Ownership (e.g. decentralized, public, cooperatives)
- New business models: purpose-driven, reciprocally
- Governments to set (societal) goals and challenges