

smart cities
spatio-economic transformation

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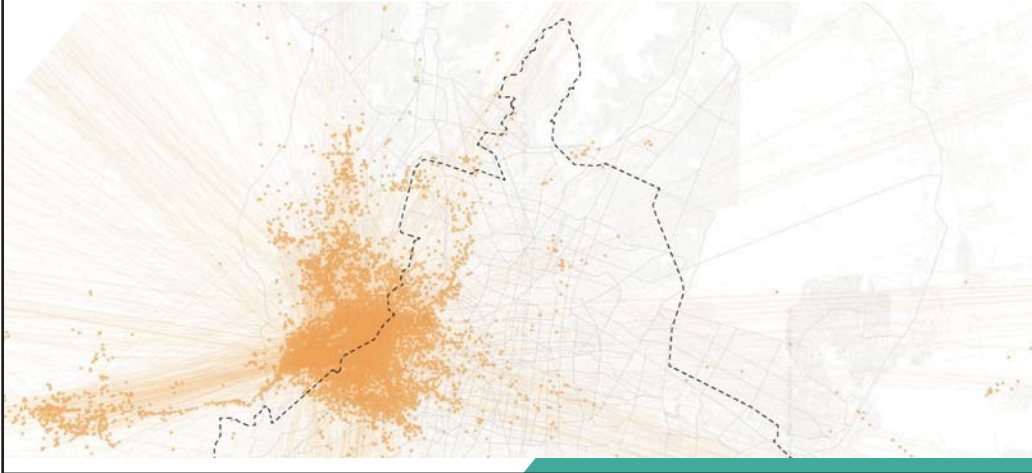
AIT – BRINGING INNOVATION INTO BEING

We offer governmental as well as private businesses science-based solutions and capacity building to plan, realise and manage smart and sustainable habitats of tomorrow.



WHAT CAN WE EXPECT FROM SMART CITY

- From tech-hype to impact
- Smart City projects as vehicle to reach sustainable growth and climate targets



SMART CITY PROJECTS – HIDDEN CHANGE AGENTS?

- New complexity of urban transformation
 - Digital – Climate – Energy – Social
- Best-case examples:
 - 1 Smart City Pilot Project as incubator for the local economy
 - 2 Re-shaping of institutional decision-making

ROTTERDAM, NL



ASTANA, KAZ



PILOT PROJECTS AS ECONOMIC INCUBATOR - ROTTERDAM

- Economic beneficiaries of Smart Cities - IBM & Co?
- Formula: Reaching 2020 climate & energy goals = Steer (local) economy & increase life quality
- Framework Strategy + Goals + Solutions +KPI monitoring
- No tech fragmentation - Comprehensive approach
- Embedded in city strategy
- Develop smart solutions + Boost market up take
- Crucial: Stakeholder ecosystem design (public-private) + clear roles
 - Pro-actively include the local economy



Rotterdam.Glasgow.Umeå

Lighthouse cities

+

Parma.Brno.Gdansk

Fellow cities

PILOT PROJECTS AS ECONOMIC INCUBATOR

- Set-up of specialised testbeds
- 32 smart solutions linking ICT, e-mobility, Energy
- Creation of ~ 2000 jobs
- Teaming up of stakeholders:
 - Municipality & co + Local companies
 - New jobs created (start-ups), Educational dimension
- Business model development
 - Monitoring & coaching
 - Success measuring with citizens



PILOT PROJECT AS ECONOMIC INCUBATOR - MESSAGES

1 Embedding in Urban Strategy

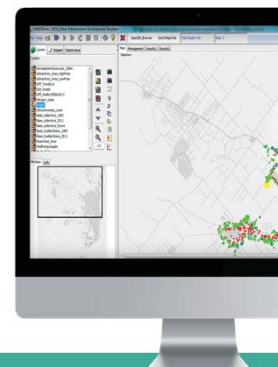
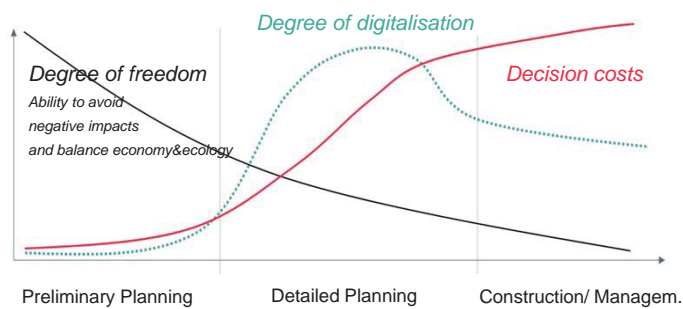
Interfaces between Smart City activities and existing urban strategies have to be defined- to harvest sustainable success.

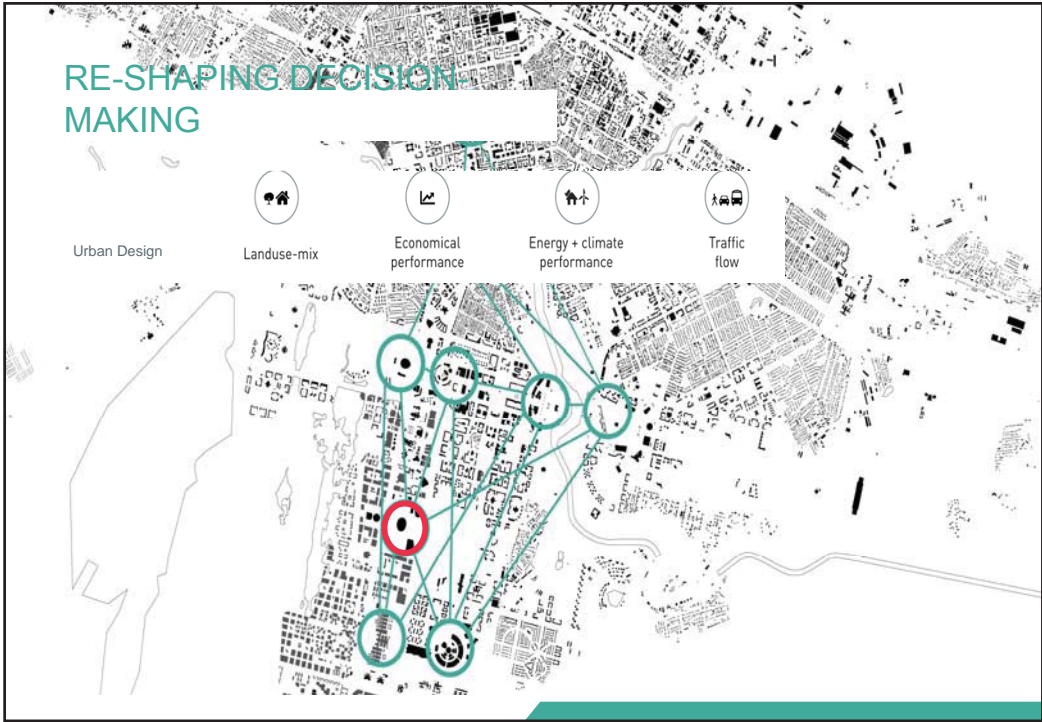
2 Design the Process

The design of the project process and stakeholder ecosystem is crucial to create real economic benefits.

RE-SHAPING DECISION-MAKING - ASTANA

- Our cities are data clouds (+1TB/week)
- How can city authorities use the data?
- Example: Informed decision-making process for strategic urban planning





RE-SHAPING DECISION-MAKING – MESSAGES

1 New Capacities

Smart city initiatives have a large potential to strengthen **institutional capacities** in areas with massive economic impact.

2 New Urban Formula

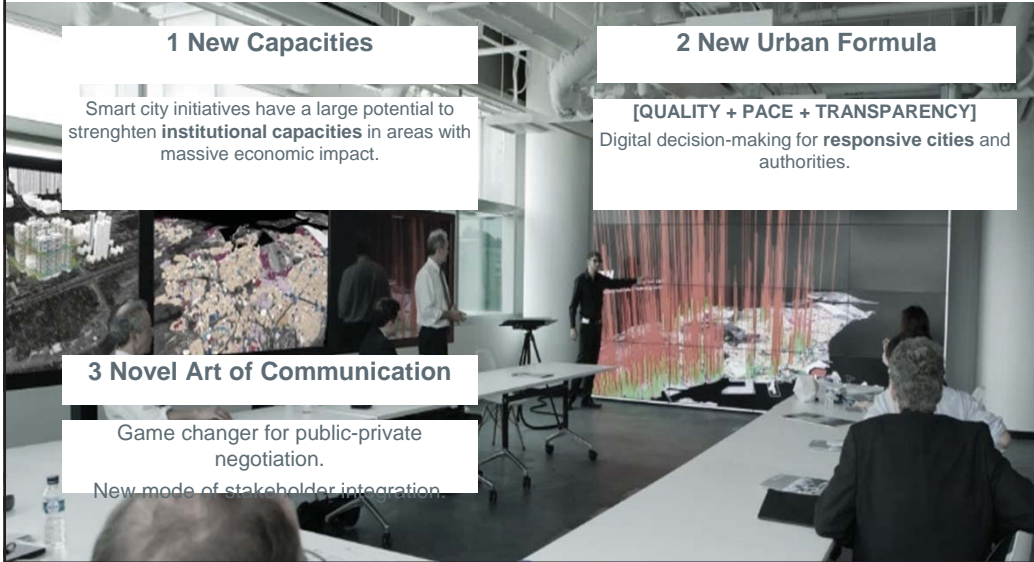
[QUALITY + PACE + TRANSPARENCY]

Digital decision-making for **responsive cities** and authorities.

3 Novel Art of Communication

Game changer for public-private negotiation.

New mode of stakeholder integration.



THOUGHTS & IMPLICATIONS

- The implementation of climate and economic policies has to be handled by urban and regional authorities.
 - Mega challenges, interdisciplinary project environments, new stakeholders, no established processes
- Municipalities need assistance to build capacities and advise from independent experts to deal with the transformation process and leverage its potentials.



Let's get in touch!

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