

# The Future of cities

Smart by default

Humane in principle



Artist impression of a new sustainable 'smart' village near Eindhoven (NL)

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# How to become a smart city?

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Sensors, CCTV-camera's, smart meters, smart lightning, smart trash collectors, software and operating systems.

# Five conditions to become smart

- Having a well-communicated, and accepted vision on the development of the town
- Good governance
- Approving and supporting local initiatives
- Equal partners of technological companies
- Initiate, evaluate, terminate or implement experiments

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## Reconsidering the use of cars

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From traffic-orientation to citizen-orientation



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Consensus oriented

Accountable

Participation

Transparent

Follows the rule of Law

Good Governance

Responsive

Effective and Efficient

Equitable and Inclusive

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#DecidimBarcelona

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Lombok/Utrecht: Energy co-operative Lombox.net



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## Smart grid

- Manageable segment of the main grid
- Provisions for energy storage
- Trading energy at wholesale prices with electricity company
- External control of devices within households
- Full-automatic steering by software.
- Based on agreed algorithms
- Protection main grid of over-load
- Lombok: Availability of cars for sharing and storage purposes



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Ger Baron (Amsterdam), Francesca Bria (Barcelona), Theo Blackwell (Londen) en Dr. Aicha (Dubai)

decode

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## Smart by default

### Amsterdam digital.....

- Safe and fast Internet for all citizens.
- Data generated in public space will be stored with blockchain technology.
- All data are made public at an aggregate level.
- Citizens will be enabled to decide which personal data can be used and by whom
- Unauthorized following of citizens by WIFI-tracking is forbidden
- In case of data collection for governmental purposes privacy is included in the design phase

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The mayor is watching you....



## Conclusions

- Properly selected and used technological tools and data might support the solution of urban problems. Thus, any city must be smart by default.
- This choice of technological tools and the use of data depends from a vision on the development of the town. Therefore: no city should invest in 'smart' technology prior to the acceptance of such a vision.
- In order to be effective, smart tools and the use of data have to be seamlessly integrated with other non-technological policy instruments.
- For a number of cities, sustainability, equal opportunity, quality of living and digital rights are the pillars of their vision with respect to their future development, which basically is becoming a humane city.

Want more?

Download for free my e-book: Smart City Tales

<https://goo.gl/Lp9Caz>