Does your City Feel Smart?
Nishinomiya, Japan
About me

Geographer, Mapper, Software Developer
Maintainer of the pgRouting Project
Founder of Georepublic
Living in Germany and Japan
Enjoy Open Source FOSS4G and OpenStreetMap
Recently started an IoT venture
INTERNET OF THINGS
In the Home

https://www.linkedin.com/pulse/early-adopters-lesson-iot-home-james-kirkby
<20% of the world’s largest 1,000 manufacturers have M2M, <10% have IoT, >3% have CSX.

>$2.700.000.000.000 will be invested in IoT by 2020.
Smart Cities

How can cities be smart?
Smart Cities

“A smart city is an urban development vision to integrate multiple information and communication technology (ICT) and Internet of Things (IoT) solutions in a secure fashion to manage a city’s assets”

Smart City Goals

- Quality of life
- Sustainability
- Efficiency

With modern information technologies and connected devices.
KNOW
How do we know, how a city feels?
Sensors
What a sensor does:

“A sensor is an object whose purpose is to detect events or changes in its environment, and then provide a corresponding output.”

あんぜん箱
THE SENSING DATA RECORDER
Sensors
Sensor Box

- All sensors in a single device: Temperature, humidity, motion, light, noise, seismic activity, gas, co2, etc.
- Measure and record just everything you want to know is going on.
- Easy to setup and easy to use.
- “Black Box” data recorder
Connected Community
Connectivity

- Smart sensor network technology
- Connectivity is the key to get the most of your data.
- Data verification through the cloud
- Notifications
- Sharing information with your community.
- IoT for your home and for the public!
Big Sensor Data

- Personal use
- Access to 3rd parties
- Open Data (public)
Smart Cities

With Sensors and Connectivity
Why doesn’t this exist yet?
Google: The cost of hardware is falling at a faster rate than the price of cloud
“500 Sensors”

https://500sensors.com

“Smart City Starter Kit”

- Big corporations
- Government bodies
- Sponsors
- Partners

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Want to know more?

Project:  https://anzenbako.net
          https://500sensors.com

Website:  https://georepublic.info

Email:    daniel@georepublic.de

Thank you!