



Innovation in Connected things & Big data

towards platforms for cities

November 11th, 2014 ITAPA - Bratislava stoporkoff@items-int.eu Herve.rannou@items.fr

The D-Shirt: the original product



(Prototype)





Fabric embedded sensors

Physiological data



Sensors embedded in the gateway

Actimetric data



Real time monitoring



Data Management Indicators



Data Analytics

Available sensors

- Electrocardiogram (ECG)
- GPS
- 3-axis accelerometers
- Altimeter
- Bluetooth connector

Sensors available in 2015

- Temperature
- Respiration
- Hygrometry
- Muscles: Mechanomyogram (MMG) / electromyogram (EMG)











Electronic manufacturer



The starting consortium



Sportwear company



TELECOM Bretagne

Academic Lab specialized in Sensors and data

7.2 M€ granted by





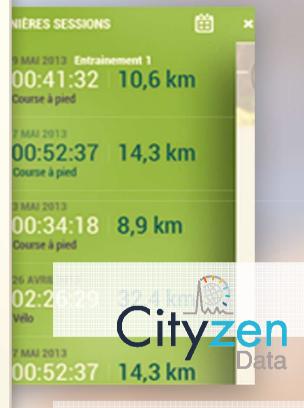
Fabric manufacturer



Data: The key factor in the value added for services providers and for citizens









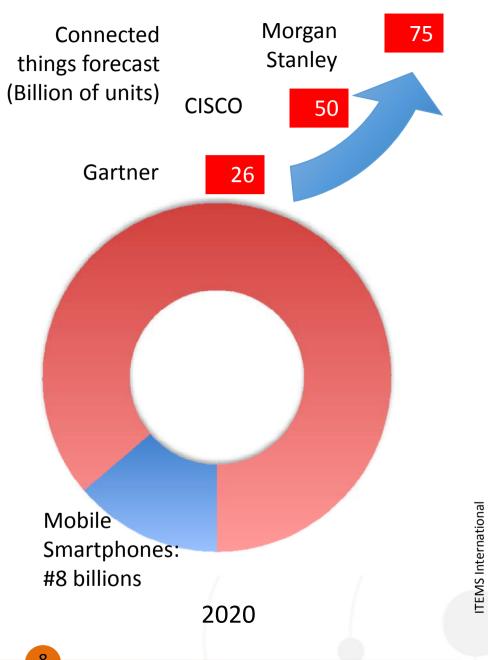
Cityzen Data addressing the market of Internet of Things



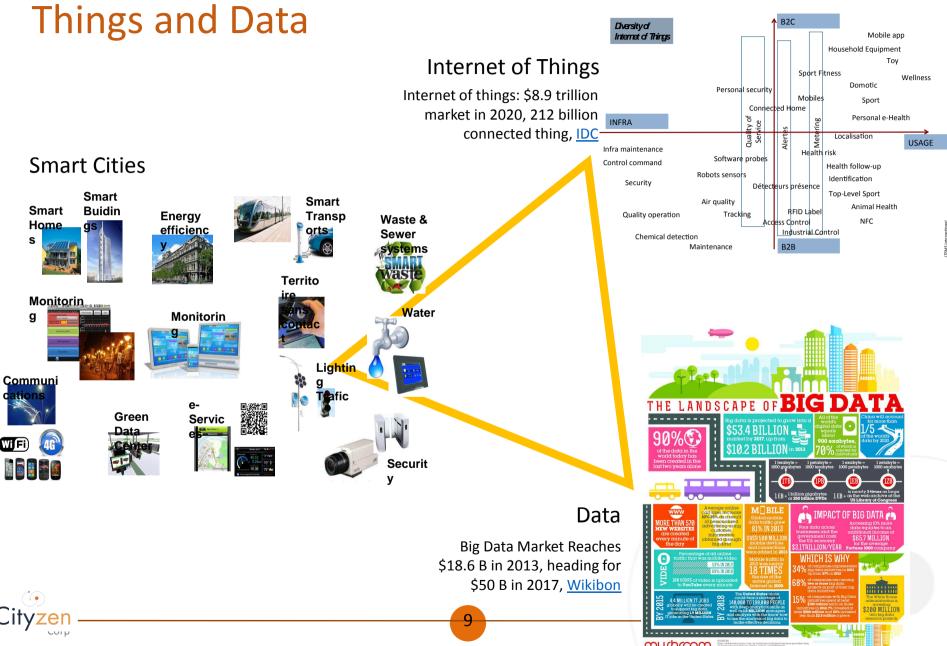
2 billions of connected things,7 billions mobiles

Things connected

Mobiles Smartphones Tablets
2010



A key challenge within the triangle Cities,
Things and Data



The Business model for Cityzen Data

- > Cityzen Data addresses Cityzen data needs
- > Big data platforms and tools designed to address any other needs for data coming from sensors, connected thing, mobiles ...



B2B Software Solution



Smart Cities

Industry Maintenance

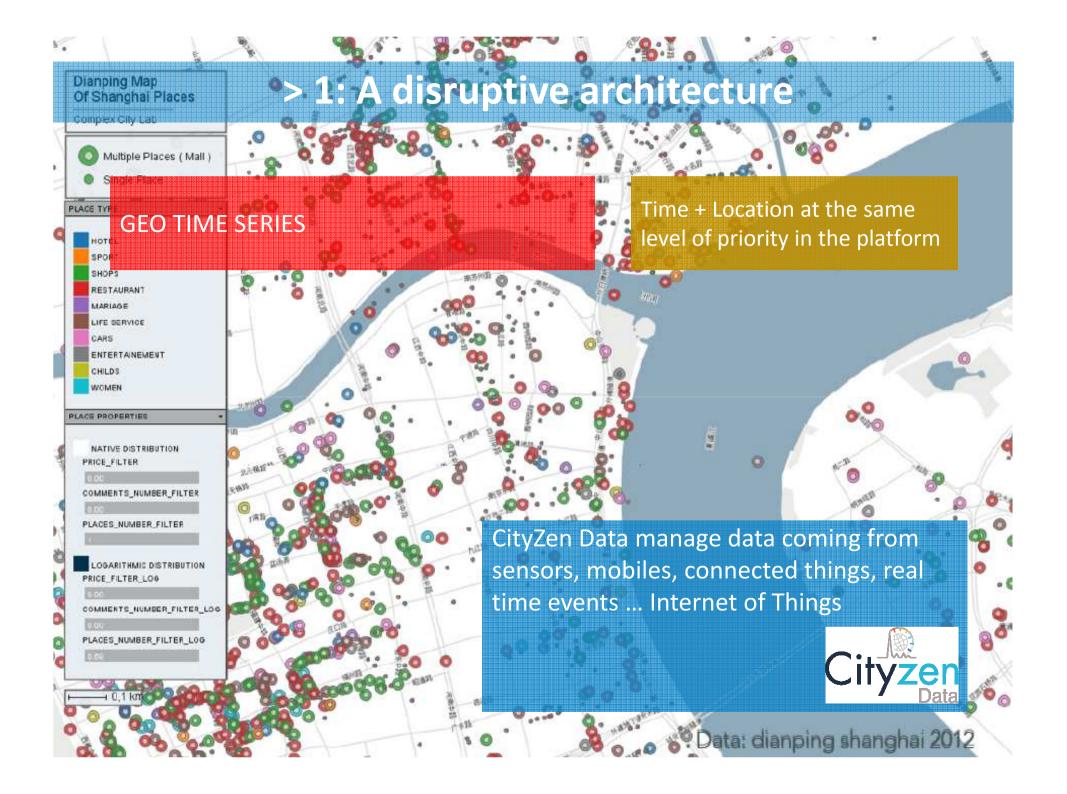
Insurance

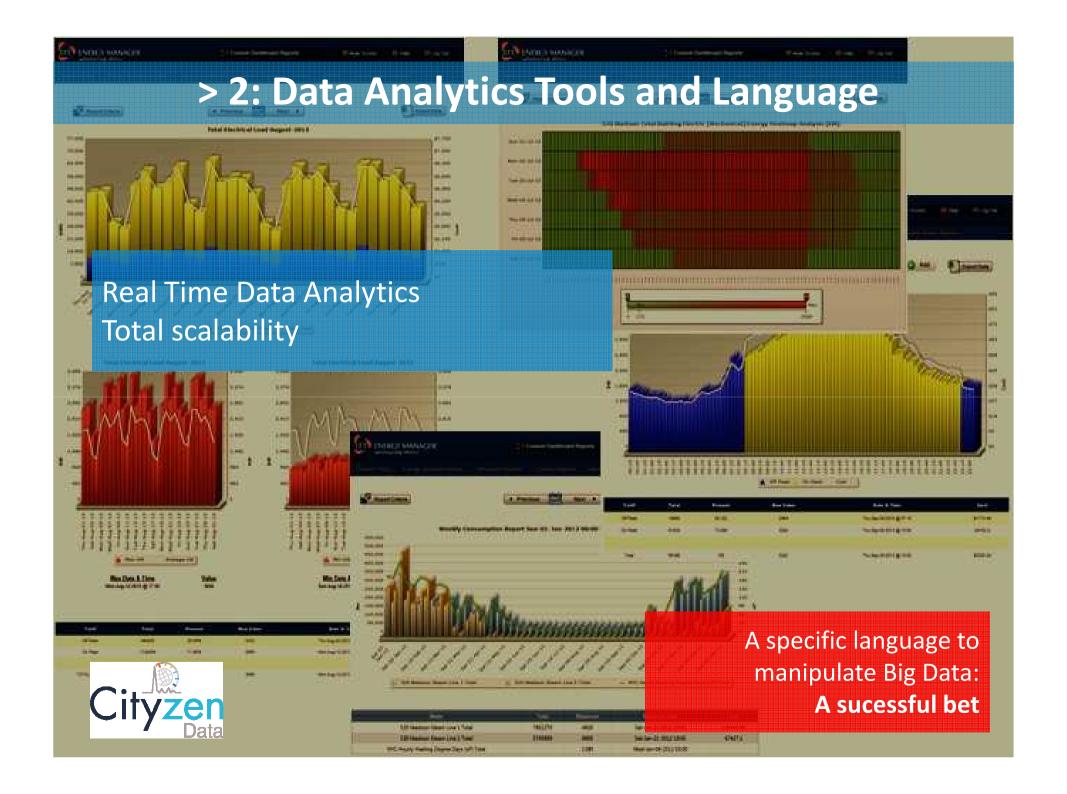
IT + business expertise



Big Data Platform « Industrial» softwareplatform























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