



Smart Cities: The role of technology in the city

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We are experiencing the most profound technological revolution in history



Find the 7000 differences

Life is increasingly digital



08|00

08:00 News

Flipboard

09|30

Mobile Apps

runtestic

11|00

e-Government

Seguridad Social

12|30

e-Health

Valerónic

14|00

Mobile shopping

ShopSavvy
amazon

15|30

15:30 Augmented reality
& Geolocation

layar CYCLOPEDIA
Barcelona Visual

17|00

Geolocation

gowalla foursquare

18|30

Video

OU

20|00

Smart Cities

Smart Santander

21|30

E-learning

Educared

23|00

23:00 Social networks

facebook twitter @tuenti

We live in a hyper-connected world

...where everything can be measured and stored in real time

Data



2010
1.8 million
petabytes



2030
35 million
petabytes

Smart systems



Big Data

Information



The opportunities around **Big Data** create new **jobs** (4.4 million worldwide in 2014)

Smart systems are the key

2020



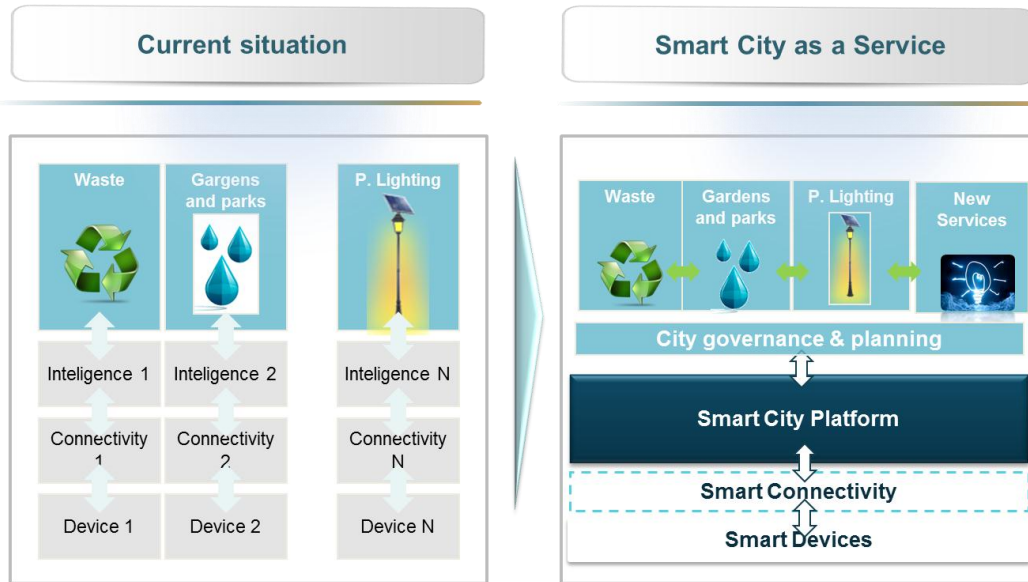
10
Devices per
person



50 billion
Devices connected

Opportunity to integrate technology into the city's own strategy

... and commit to transversality as a key to becoming a smart city...



...with diverse objectives in search of multiple benefits

Cost reduction and efficiency



Economic competitiveness



City planning and governance



Sustainability and quality of life



Innovation



Tapping the full potential of the connected city

Enabling the environment to develop digital services for citizens and enhancing the local business network, thereby attracting businesses and talent to the Smart City

DEVELOPMENT ENVIRONMENT

SMART CITY PLATFORM

**Management of connectivity and
Management and maintenance of devices**

Remote control and
settings

Presence
(location)

Monitoring patterns of
use, consumption,
activation

Installation and
maintenance

**Storage and analysis of
the information collected**

M2M



Non M2M

- Real Time
- Non Real Time

Smart systems

introducing **business rules** to
improve processes

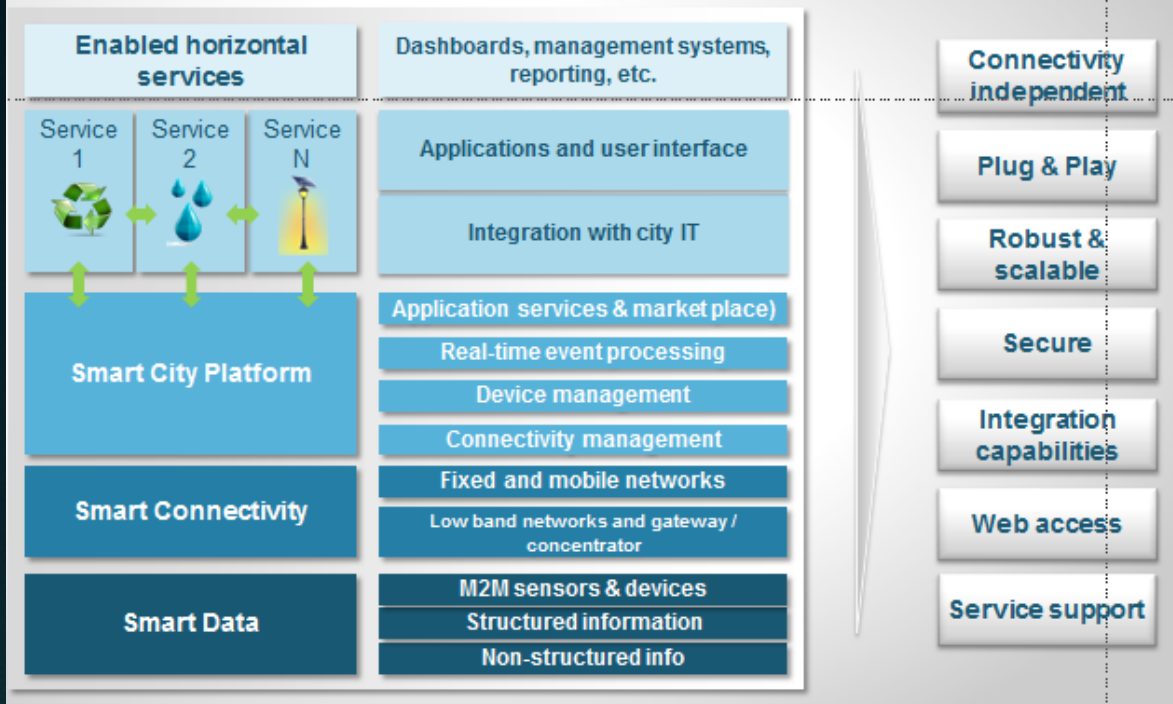
Big Data

Business
Intelligence

Armed with the most advanced technology

...to progressively build a Smart City

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With Big Data capabilities

With internationally acknowledged ecosystems that act as a launching pad for local developers

Enabling open government and open data models

The cities are transformed to improve their competitiveness

It is necessary to modulate this transformation in line with the situation and objectives of each city

Centralisation of information on one platform



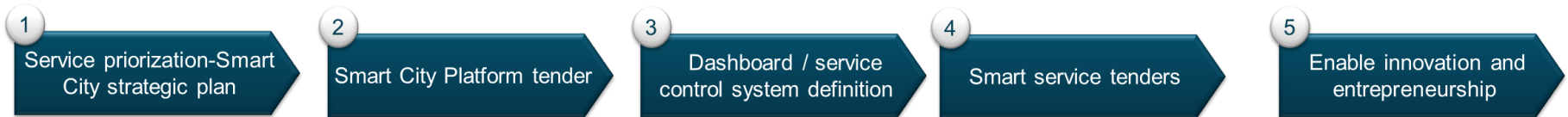
...to facilitate management of the city through monitoring and control

Transformation of services



A prior analysis is required to ensure efficiency and sustainability, clarity of objectives and integration in the city platform

What are the steps to take...?



Clear benefits for all stakeholders

Citizens



City Council



Entrepreneurs



Suppliers



+ Operational EFFICIENCY

Sustainability and operational efficiency of services

+ INNOVATION and revenue

Innovation and boost for local economy

+ QUALITY of life

New environment of smart services for the citizen

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