

# FIWARE USE CASES - ASIA

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Orange Business Services

# Orange Business Services: a worldwide digital transformation partner

**Orange** is a founding and platinum member of the FIWARE foundation

We cater multinational companies worldwide:

**2,200+**  
in Europe

**800+**  
in America

**700+**  
in Asia Pacific

**200+**  
in Africa and the Middle East

We are more than a global leader in corporate telecommunication services:

- Professional services provider
- Solutions integrator



**21,000**

collaborators dedicated to corporate activities



400 application developers and 700 IoT and big data experts



170 engineers and project managers in workplace infrastructure and transformation to cloud migration



1,200 cloud experts



1,000 cyberdefense experts

# Smart city applications – looking at the broader perspective

The smart city: where people want to live, participate and get a better life – with technology as an enabler

54% of humanity lives in cities/Urban settlements and 80% of wealth is created in cities

**Information management and data capabilities are essential for the smart city of the present and future.**

**Safety and trust**

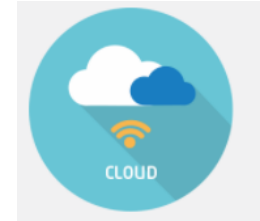
**Compliance**

**Relevance of Use case**

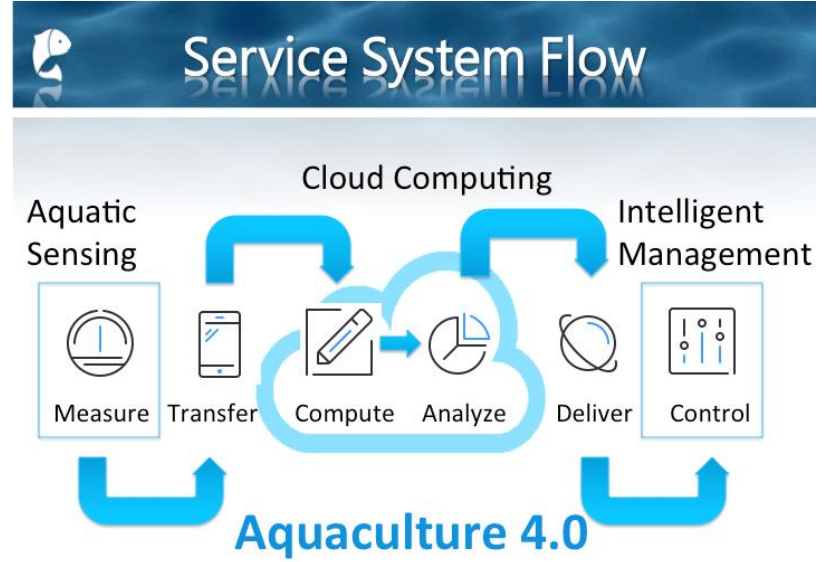
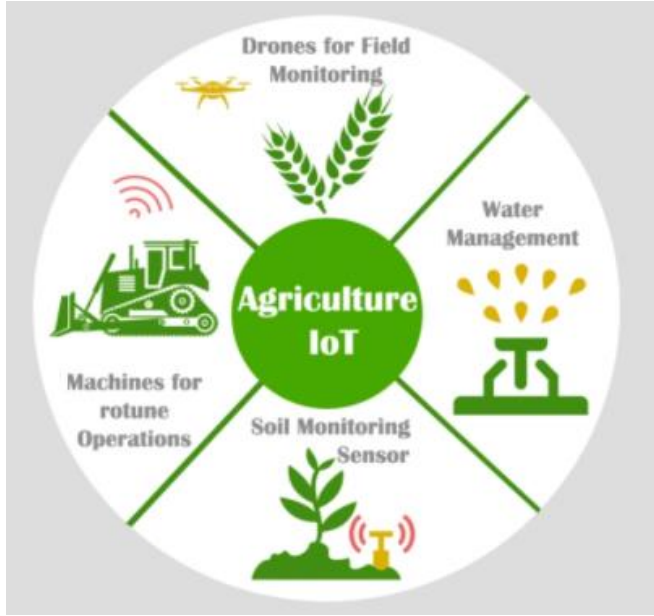
# FIWARE use cases - Industries and Technology Enablers



**AND MANY MORE!!**




# FIWARE use cases Asia – Smart Farming and Aquaculture



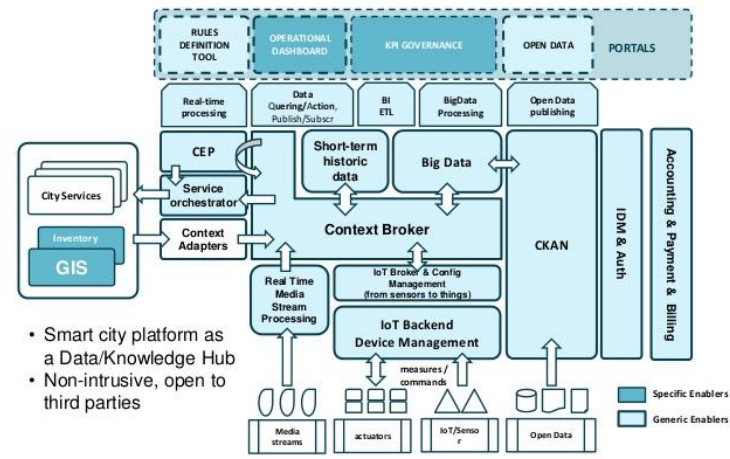
# FIWARE use cases Asia – Smart Cities



## SMART CITY - USE CASES AND APPLICATIONS

<b>Public services</b> Citizen services Tourist services Public transportation Identity & administration Information services	<b>Transportation</b> Smart roads Connected vehicle Smart parking Smart traffic Noise and pollution	<b>Public safety</b> Smart lighting Environment Asset tracking Video surveillance Emergency response
<b>Sustainability</b> Environment monitoring Smart waste management Smart energy Smart metering Smart water	 <b>Integrated smart functions</b> Smart care Smart education Smart governance Smart planning Smart/open data	<b>Infrastructure</b> Smart infrastructure Structural health Smart buildings Smart irrigation Smart roads

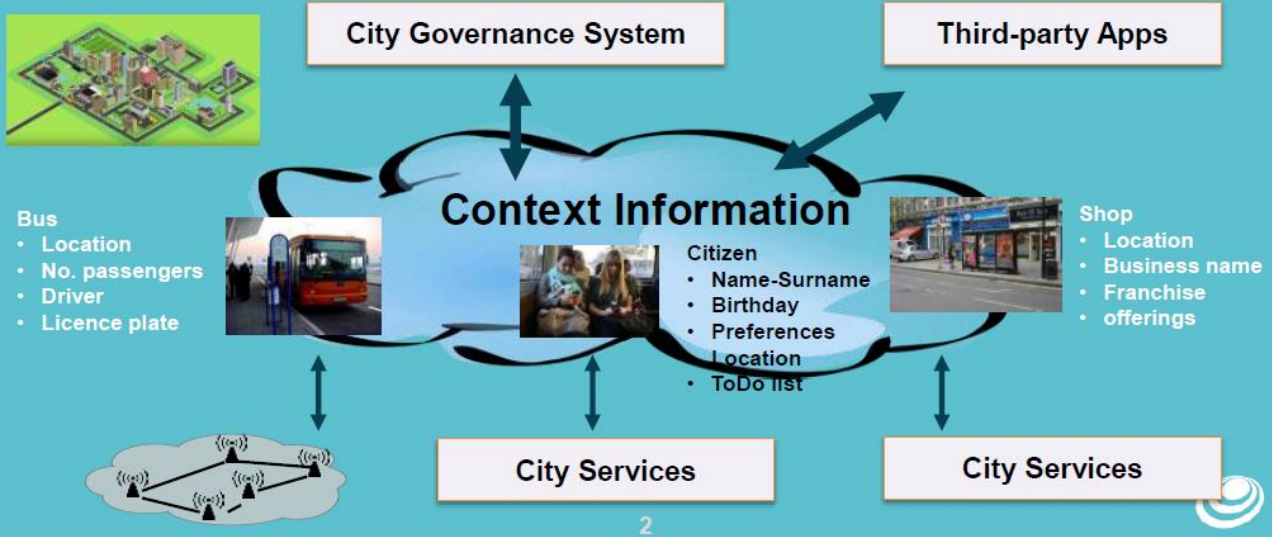
## Envisioned target Smart City platform



- Smart city platform as a Data/Knowledge Hub
- Non-intrusive, open to third parties

## Context Information Management in Smart Cities

- Systems dealing with management of city services or third-party apps (subject to access control policies) can consume and update context info
- Overall city governance can rely on context information available (real-time and historic) to monitor KPIs and run BigData analysis



Once context information is gathered, a lot of useful complementary FIWARE enablers can be used

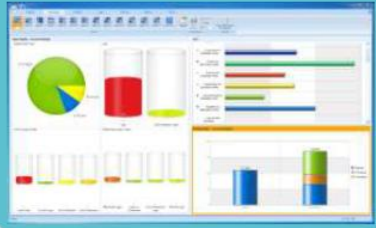
Advanced Web-based UI  
(AR, 3D)



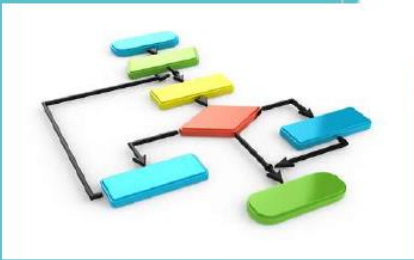
Open data publication



Data/Apps visualization



IoT-enabled  
Context Information  
Management



Complex Event  
Processing



Multimedia processing



Big Data Analysis





## Shared context information would boost innovative services and the development of multi-side markets



Thank You