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.
FIWARE use cases - Industries and Technology Enablers

- Manufacturing
- Media
- eHealth
- Energy
- Agrifood
- Data/Context
- Internet of Things
- Advanced UI
- Security
- 12nd
- Apps
- Cloud

AND MANY MORE!!
FIWARE use cases Asia – Smart Farming and Aquaculture
# FIWARE use cases Asia – Smart Cities

## Smart City - Use Cases and Applications

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### Sustainability
- Environment monitoring
- Smart waste management
- Smart energy
- Smart metering
- Smart water

### Integrated smart functions
- Smart care
- Smart education
- Smart governance
- Smart planning
- Smart/open data

### Infrastructure
- 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
FIWARE use cases Asia – Smart Cities

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.

Diagram:
- City Governance System
  - Bus
    - Location
    - No. passengers
    - Driver
    - Licence plate
  - Citizen
    - Name-Surname
    - Birthday
    - Preferences
    - Location
    - ToDo list
- Third-party Apps
  - Shop
    - Location
    - Business name
    - Franchise
    - Offerings
- City Services
  - City Services
Once context information is gathered, a lot of useful complementary FIWARE enablers can be used.
Shared context information would boost innovative services and the development of multi-side markets.