

**ITU Workshop on
Spectrum Management for
Internet of Things Deployment
(Geneva, 22 November 2016)**

Building a Connected World via IoT

ZTE

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**ITU WORKSHOP ON SPECTRUM
MANAGEMENT FOR INTERNET
OF THINGS DEPLOYMENT**

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www.itu.int/go/ITU-R/RSG1SG5-IoT-16

Organised by:





Internet of Everything

All people and things connected



Ubiquitous Intelligence

Big data analytics, AI, and automation



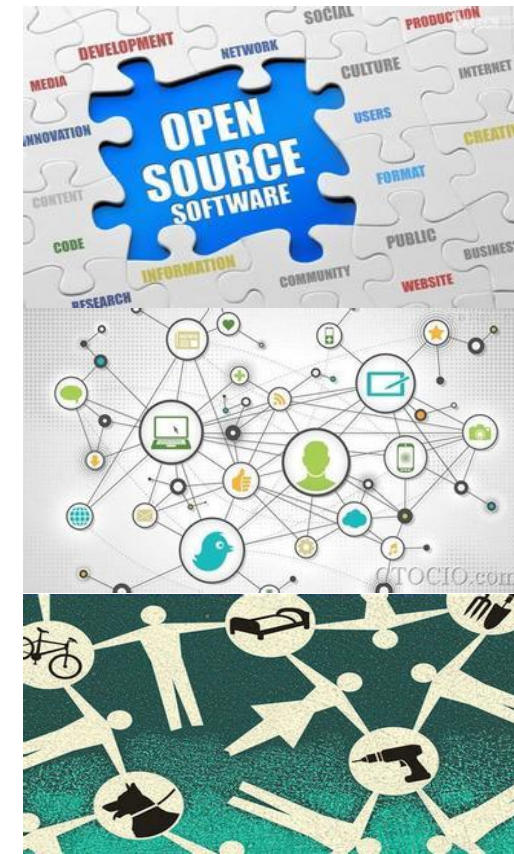
Virtualization

Virtual and Augmented Reality worlds



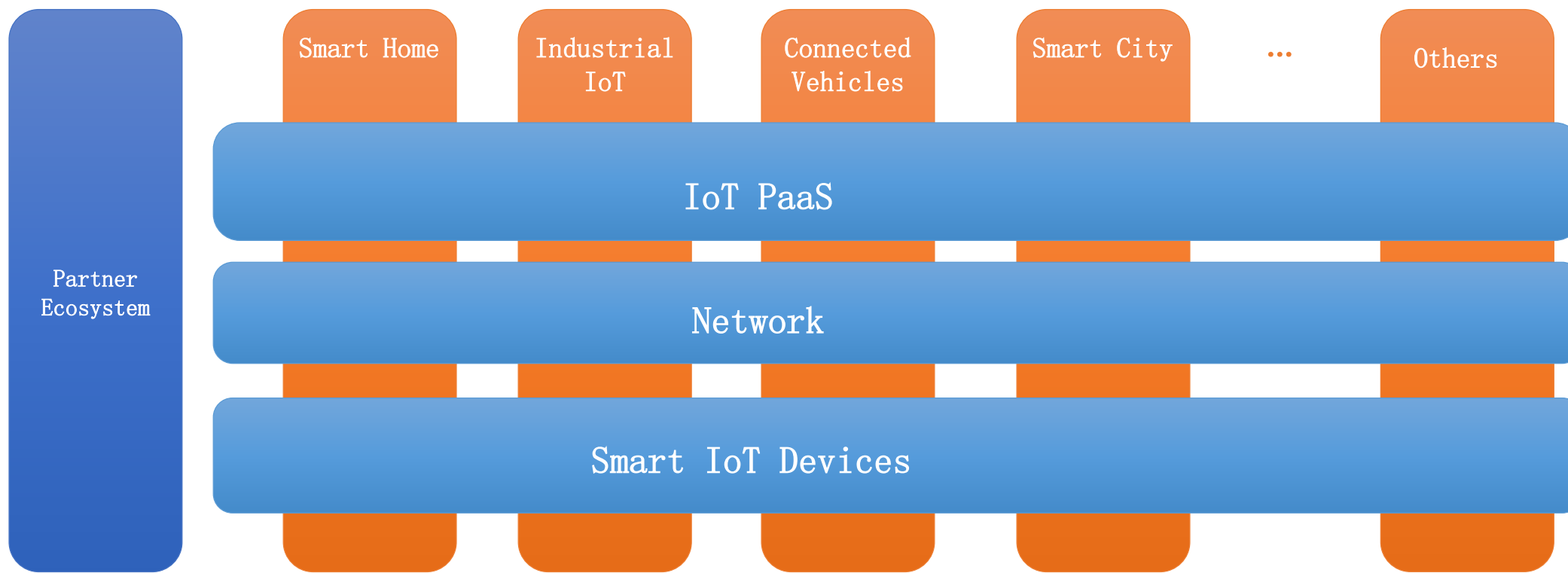
Cloudfication

Evolution to cloud-based architectures in XaaS business models



Sharing Economy

Digital resource sharing by leveraging ICT



- Positioning - ICT Enabler of the IoT industry transformation
- Horizontal expertise – chipsets and modules, Smart OS, e2e network, cloud-based Smart IoT Platform
- Vertical Integration – smart cities, connected vehicles, smart homes, industrial internet, etc.
- Broad collaboration – IoT Partner Ecosystem

3. Consume

Smart Applications
and Services



Public Safety



Intelligent Transportation



Smart Metering



Smart Homes

2. Collect

Cloud Computing
Big Data Analytics



1. Connect

IoT Devices

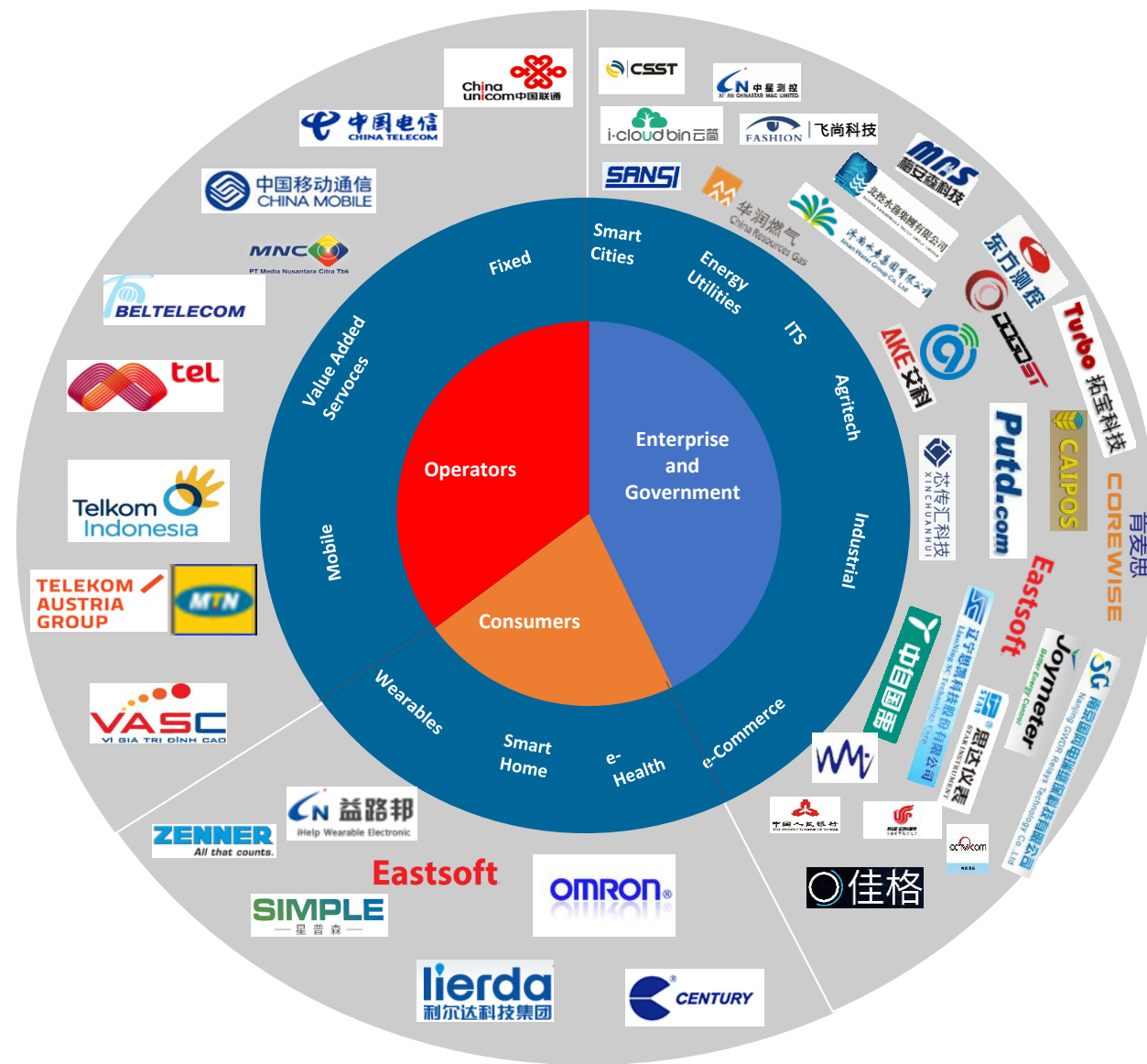


Close Collaboration Among

- Telecom Operators
- Governments
- Enterprises

To drive the IoT Business

and improve the lives of the Connected Consumers



Number 1 in IoT patents in 2003-2013

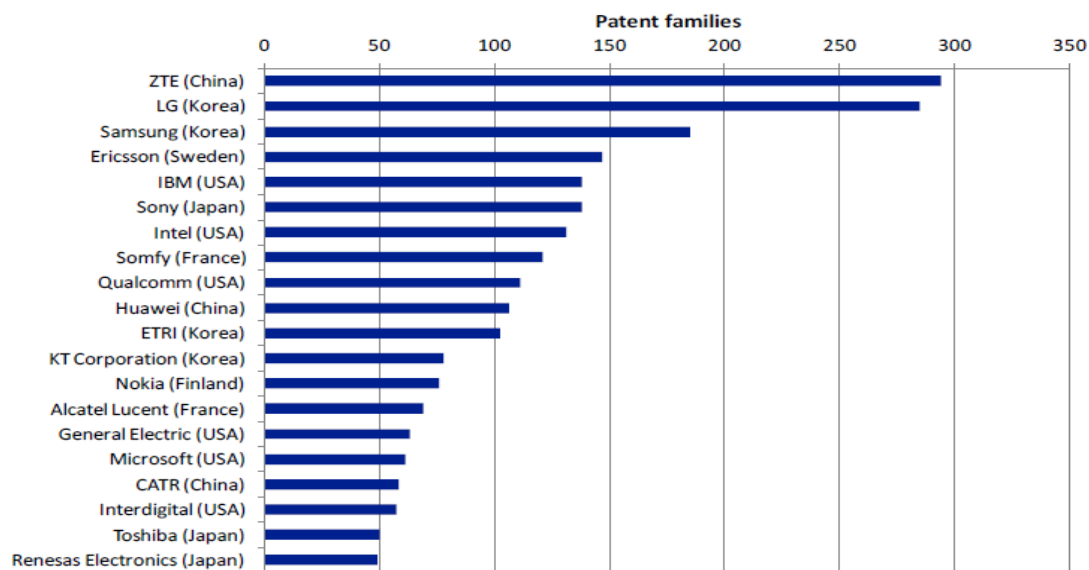
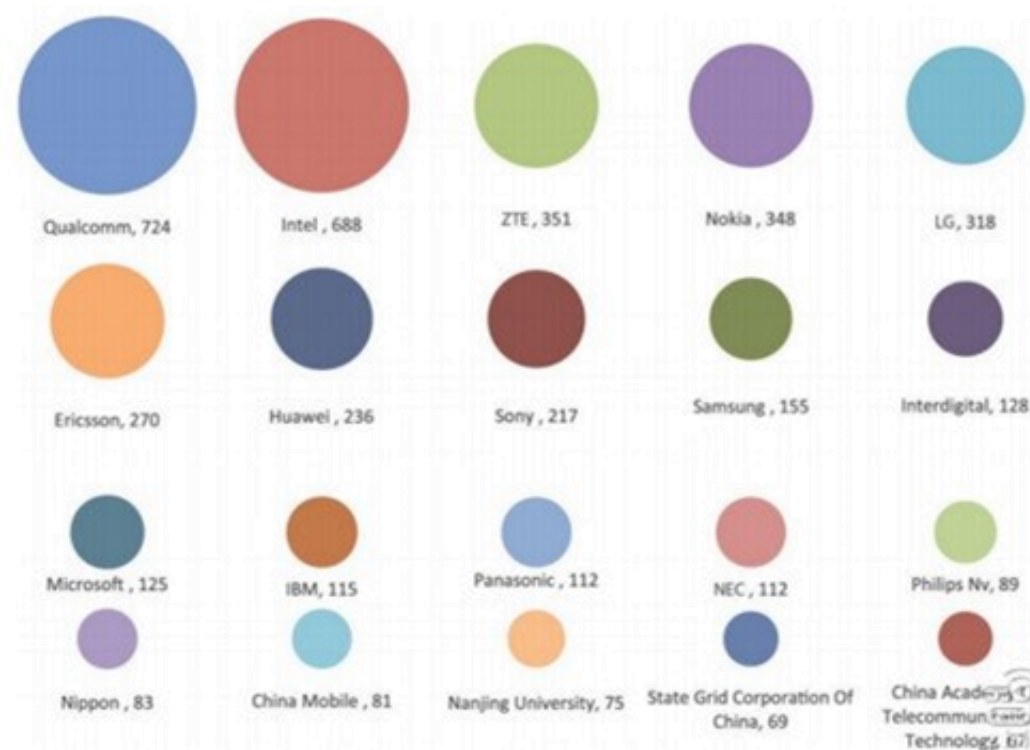


Figure 6: Top applicants

Source : Global IoT patent analysis report from British intellectual property office

Number 3 in IoT patents in 2016



Source : IoT report from LexInnova



Shenzhen IoT Application Center



Nanjing IoT Application Center



IoT Open Lab in Shenzhen, Nanjing, and Shanghai

Cooperation with partners to build

- **IoT application demonstration center**
 - Smart water metering, smart parking, smart street lighting, smart vehicle charging station, smart home, connected car, etc.
- **Open Lab for IoT application innovation**
 - IoT device development platform
 - IoT network function and performance testing platform
 - IoT application development platform