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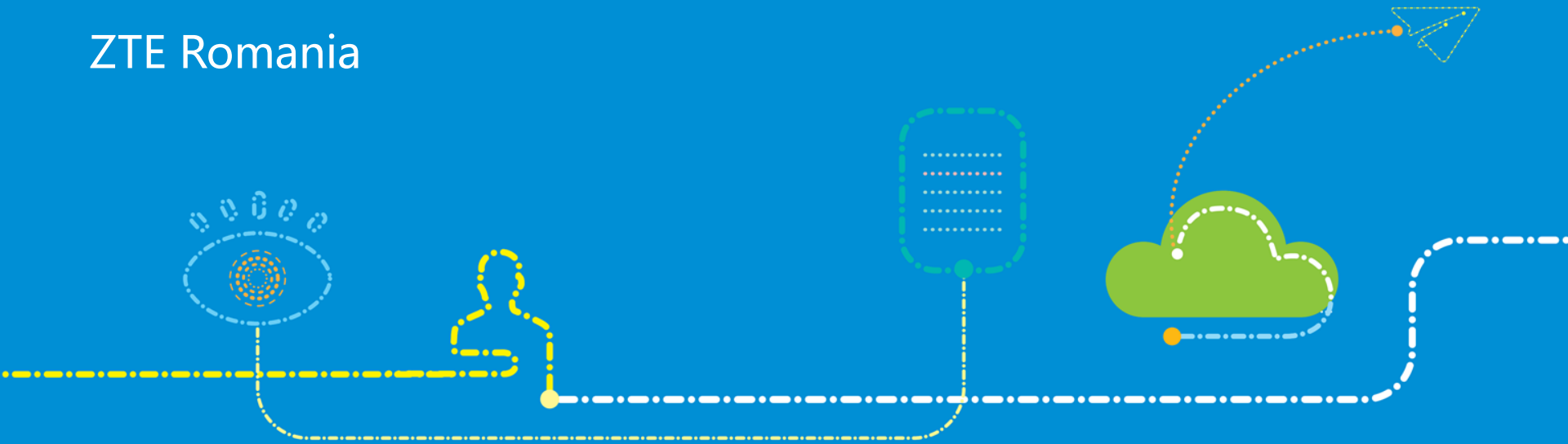
Tomorrow never waits

ZTE Smart City Solution

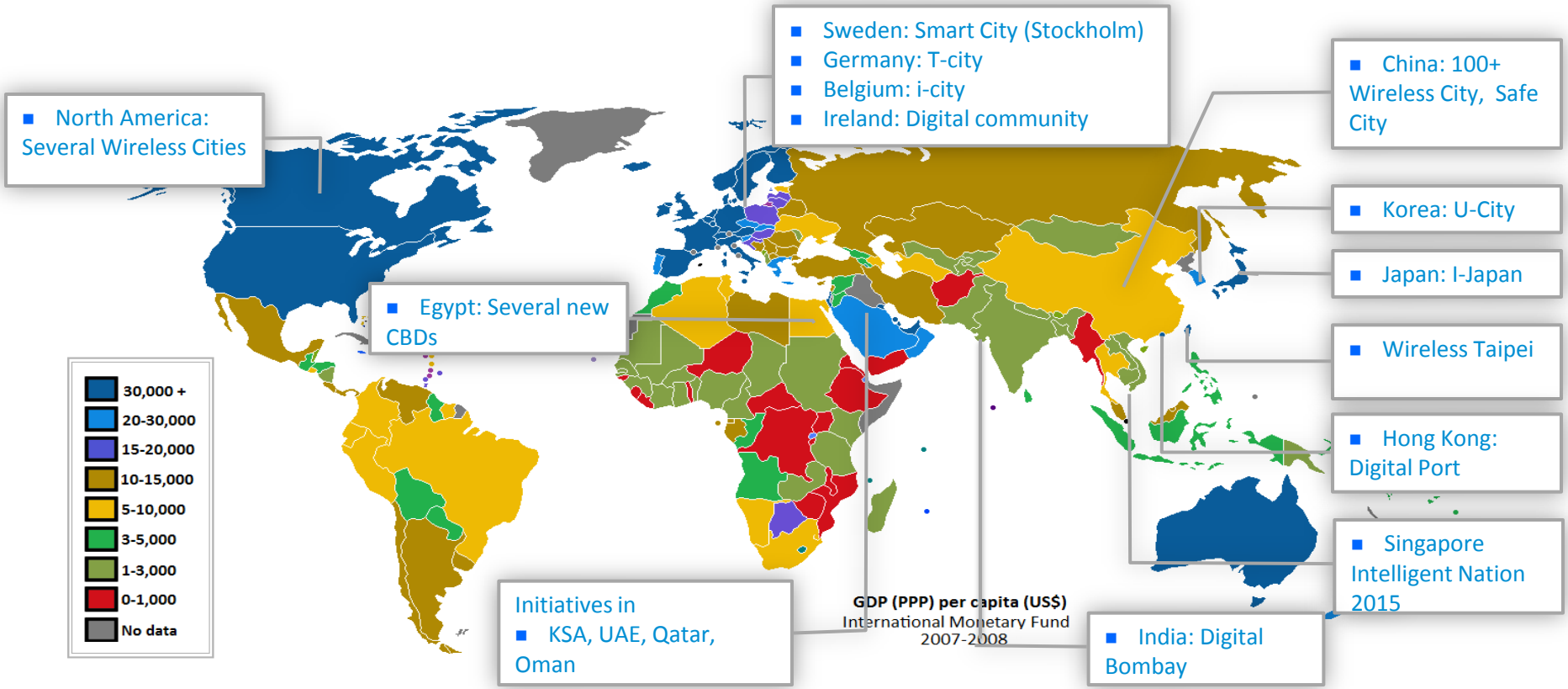
ZTE Romania



Contents

- Overview of Smart City
- Sharing Solution & Experiences

Smart Cities Are Booming All Over The World



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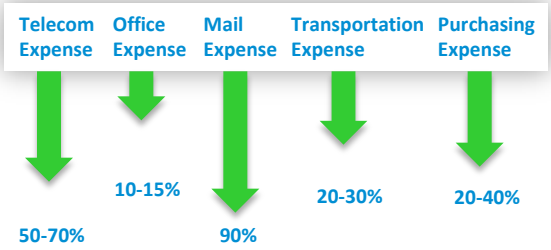
Smart Cities Brings Benefit to Society

Improve Government & Enterprise Efficiency

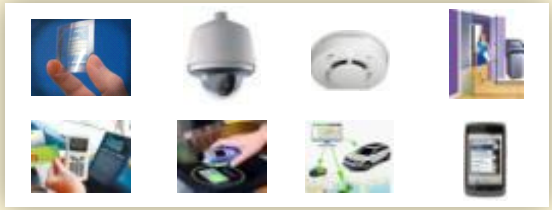
- ***Informatization Reduce Cost***



- ***Fast Response Save Time***

Facilitate Public Services

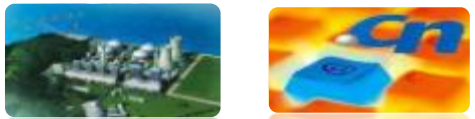
- ***Convenient Service Access***
  - Anywhere
  - Anytime



- ***Convenient Service Process***
  - Diversified public services
  - Citizen center for one-stop services

Boost Local Economy & Foreign Investment

- ***Encourage National Industry***
  - Bridging the "digital division" to reduce poverty and illiteracy
  - Creating new employment opportunities
- ***Absorb Foreign Investment***
  - Open governance facilitate G2B services and attract business investments



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Contents

- Overview of Smart City
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ZTE Concept of iCity

- ✓ Green
- ✓ Interaction
- ✓ People-Oriented

- ✓ Open
- ✓ Value-added operation
- ✓ Extendable

- ✓ Smart Sensing
- ✓ Smart Data
- ✓ Smart Terminals

- ✓ Monitoring
- ✓ Mass Cloud Storage
- ✓ Communication

A smart city enables a better life!

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Overall Architecture of ZTE iCity Solution

Government System

- Urban management
- Communication
- Tax
- Housing
- Civil administration

Government service bus

Public information portal

City operation portal

Capability Engines

- Business flow support
- Presentation support
- Data analysis support

Government service bus

Smart City Application

- Intelligent Transportation
- Safe City
- Smart Park
- E-government

Data sharing and exchange platform

Urban Fundamental Database

Business Data

Quality | Industry | Taxation | Health | Education | Territory | Civil | Police | Commerce

Cloud Computing

Sensor & Network

Sensor | M2M | Cable | Wireless | Internet

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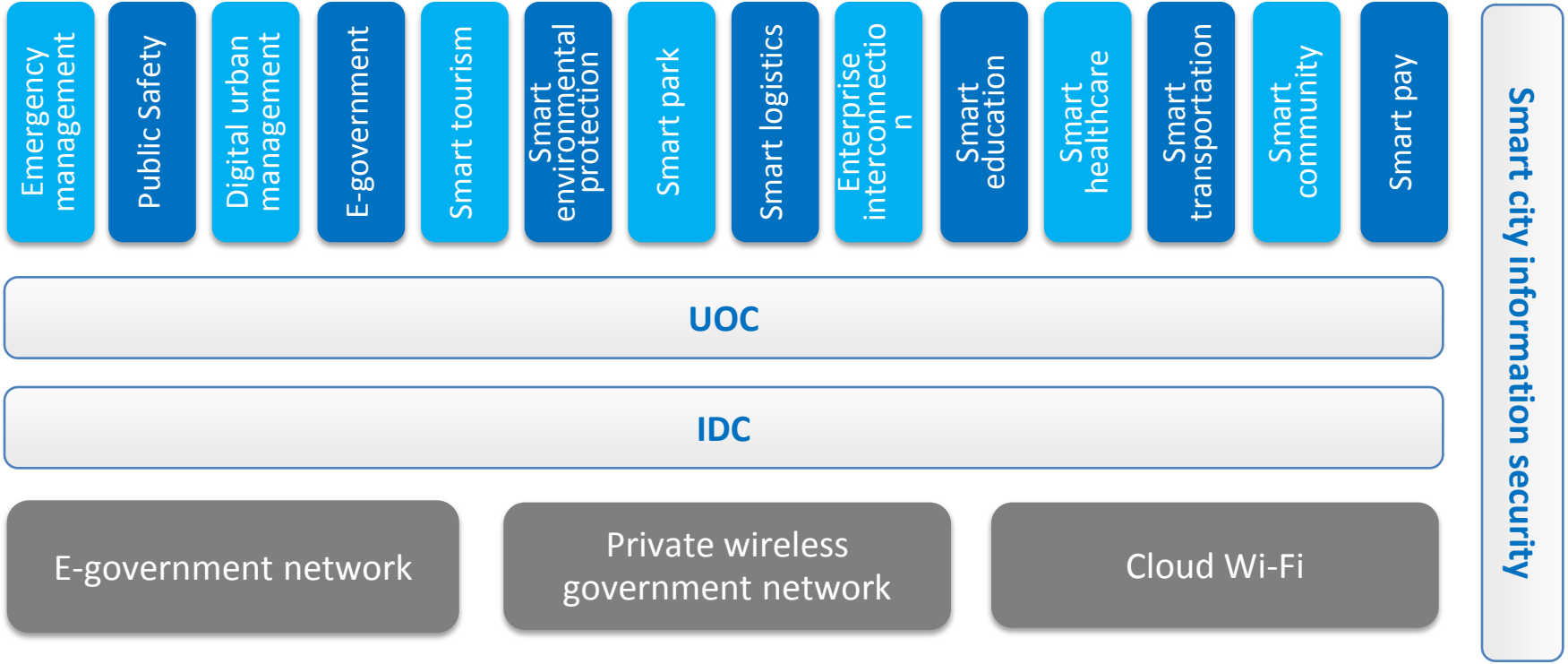
ZTE iCity Solution Applications Overview



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Public Safety Scenario

Social Stability | Economy Growth | People's Well-Being

Police Dept.

Medical Dept.

Fire Dept.

Emergency Response Center

Municipal Government

Environment Protection Dept.

Disaster Warning & Rescue Dept.

U-Safety Public Safety Solution

Emergency Management

Natural Disasters

Public Accidents

Public Health

Social Unrest

Law Enforcement

Criminal Cases

Public Order Cases

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E-Government

Social Stability | Economy Growth | People's Well-Being

Application Cloud Layer

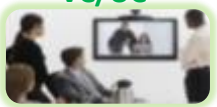
Transportation Cloud

Tax Cloud

Infrastructure Layer

Cloud computing

VC/UC



Data Center

Efficient Integrated Transparent

Portal Layer

Citizen Center

Gov. Hotline

✓G2G
✓G2B
✓G2C
✓G2E

Web Portal

Platform	Security	Big Data	Service

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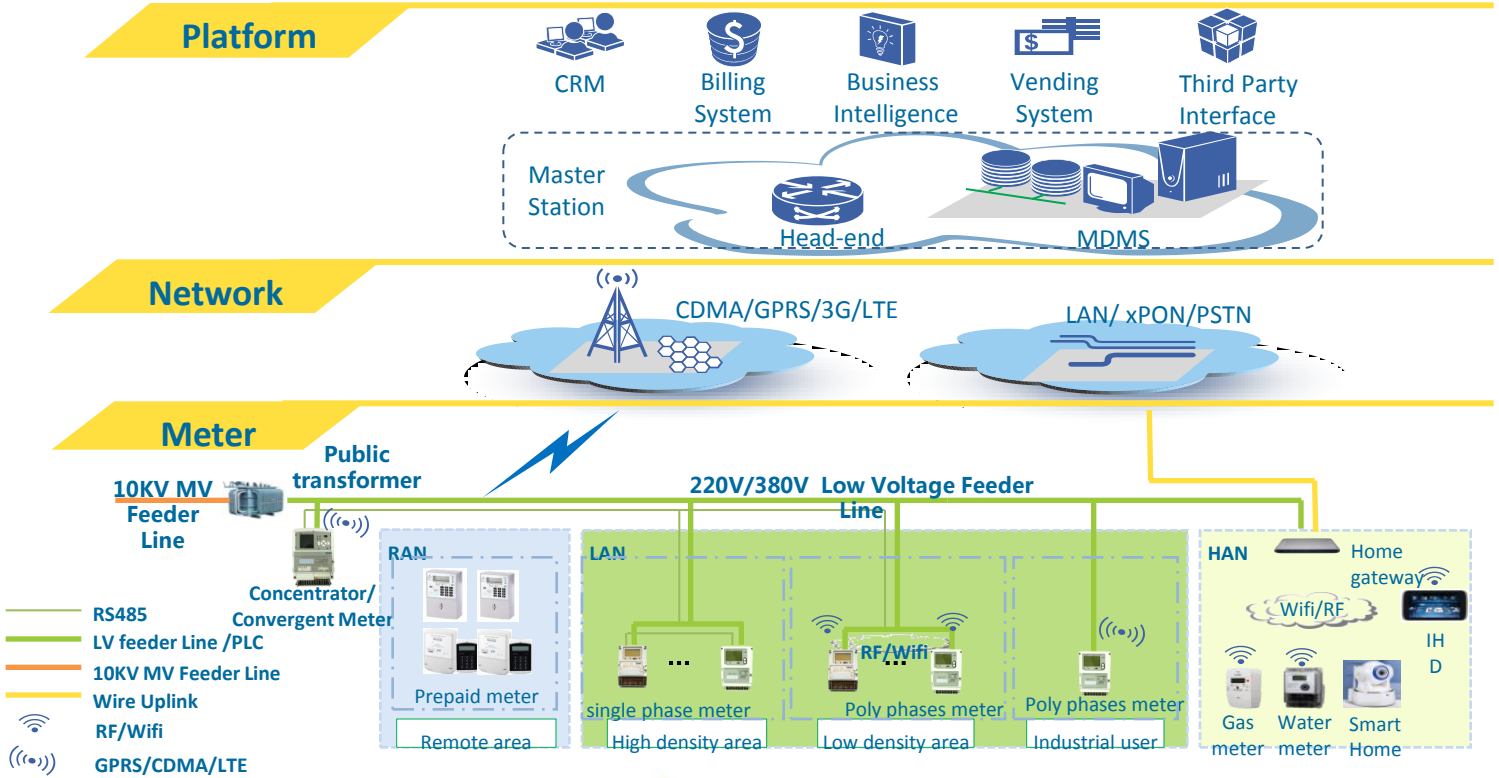
Smart Metering

Social Stability | Economy Growth | People's Well-Being



Benefits

- Automatic Meter Reading
- Flexible Tariff
- Reduce Line Loss
- Remote Configuration
- Remote Diagnosis
- Remote Control
- The Way to Smart Home

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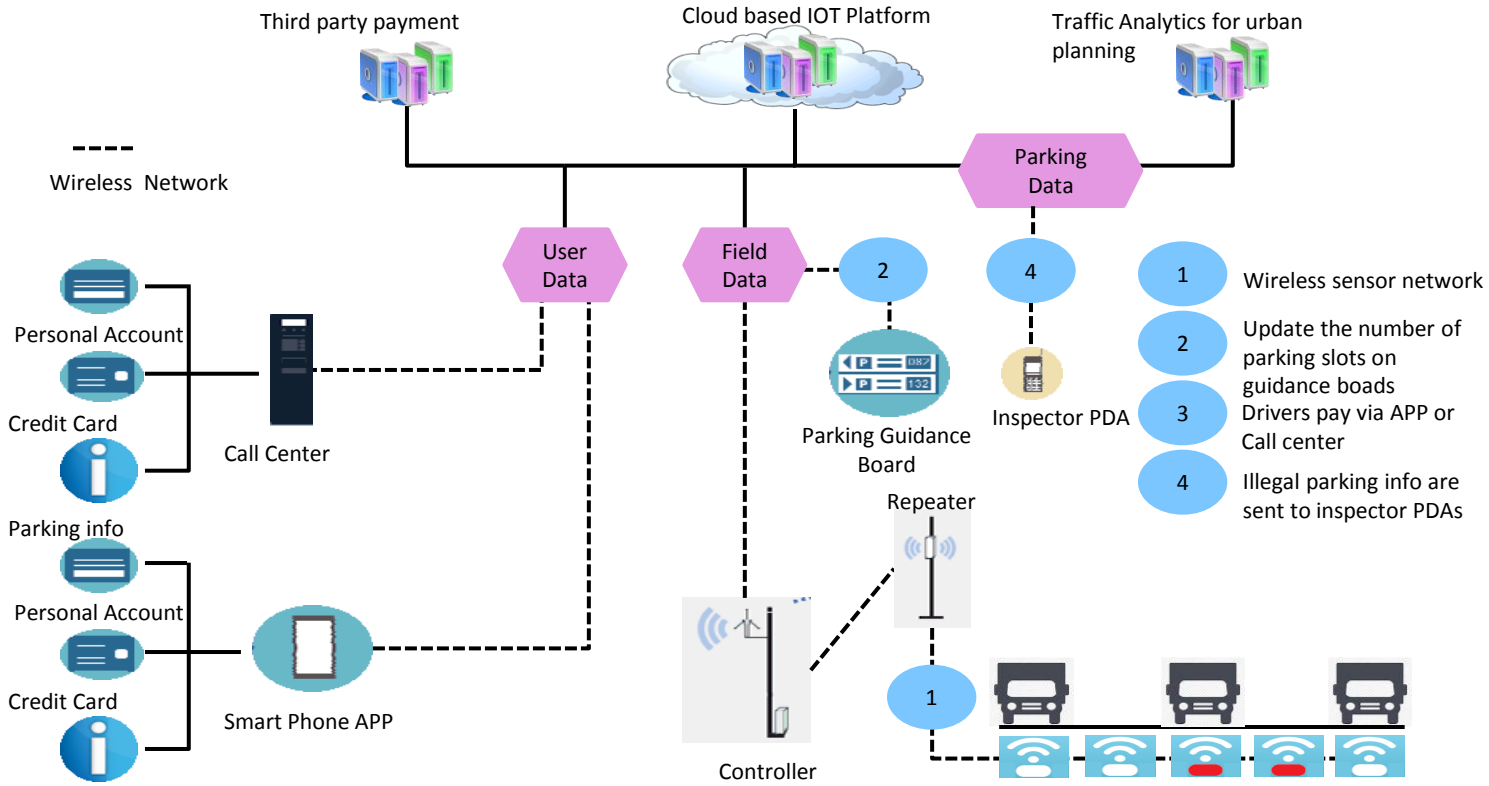
Smart Roadside Parking

Social Stability | Economy Growth | People's Well-Being



Highlights:

- Create value
- Easier to pay
- Easier to locate
- Lower carbon emission
- Easier to expand

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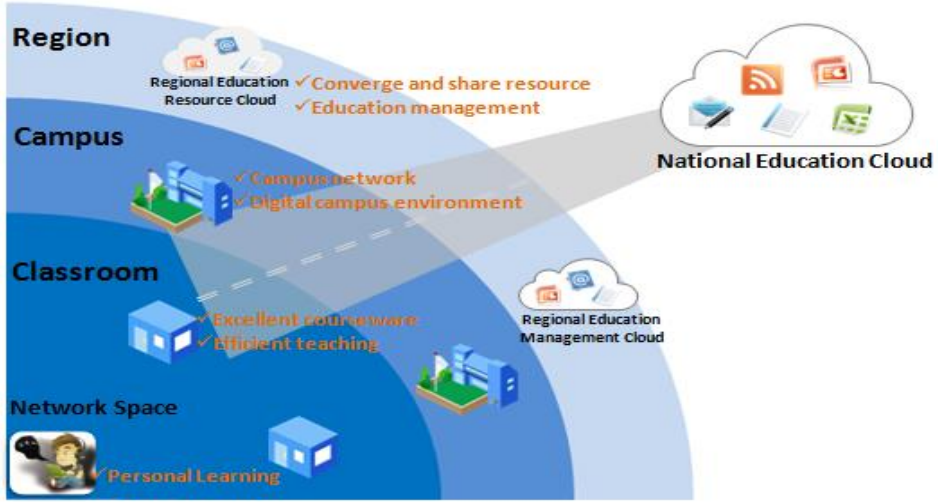
Smart Education



Serving 20+ satisfied customers all over the world

China, Papua New Guinea, Egypt, Ethiopia, Russia, Nigeria, Ghana, Mozambique, Botswana, etc.

Smart Classroom
Smart Campus
Education Cloud
E-School Bag

Student

- Educated opportunity
- Good learning contents
- More interests

Teacher

- Share experience
- Efficient teaching
- Improve self ability

MOE

- Promote equal education
- Improve education quality
- Stats based decision making

Parents

- Timely Connected with school, teacher, students

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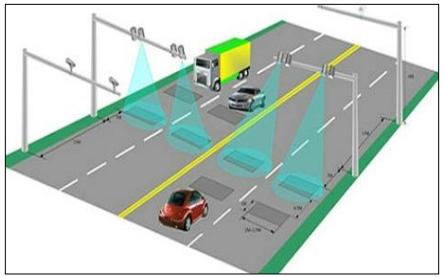
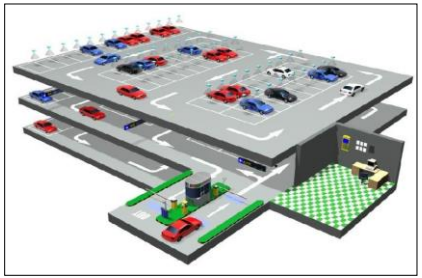
Smart Transportation

Social Stability | Economy Growth | People's Well-Being





Cloud Platform & Integrated Services

Transportation Supervision
- E-Police
- ANPR
- …

Public Transportation
- Smart bus
- Fleet management
- …

Toll & Charge
- ETC
- Free flow
- Auto parking

Info Present
- Traffic guidance
- Traveler service
- …

Traffic Control
- Signal control
- Vehicle trace
- Command center

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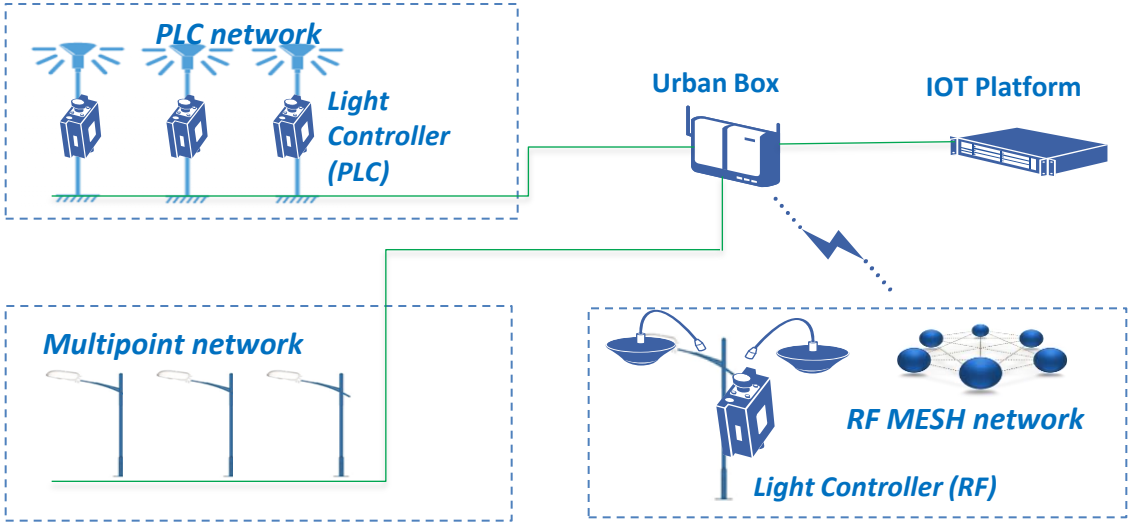
Smart Street Lighting

Social Stability | Economy Growth | People's Well-Being



Energy saving & high functional standards

Reduce maintenance cost

Maintaining **safety** for street users

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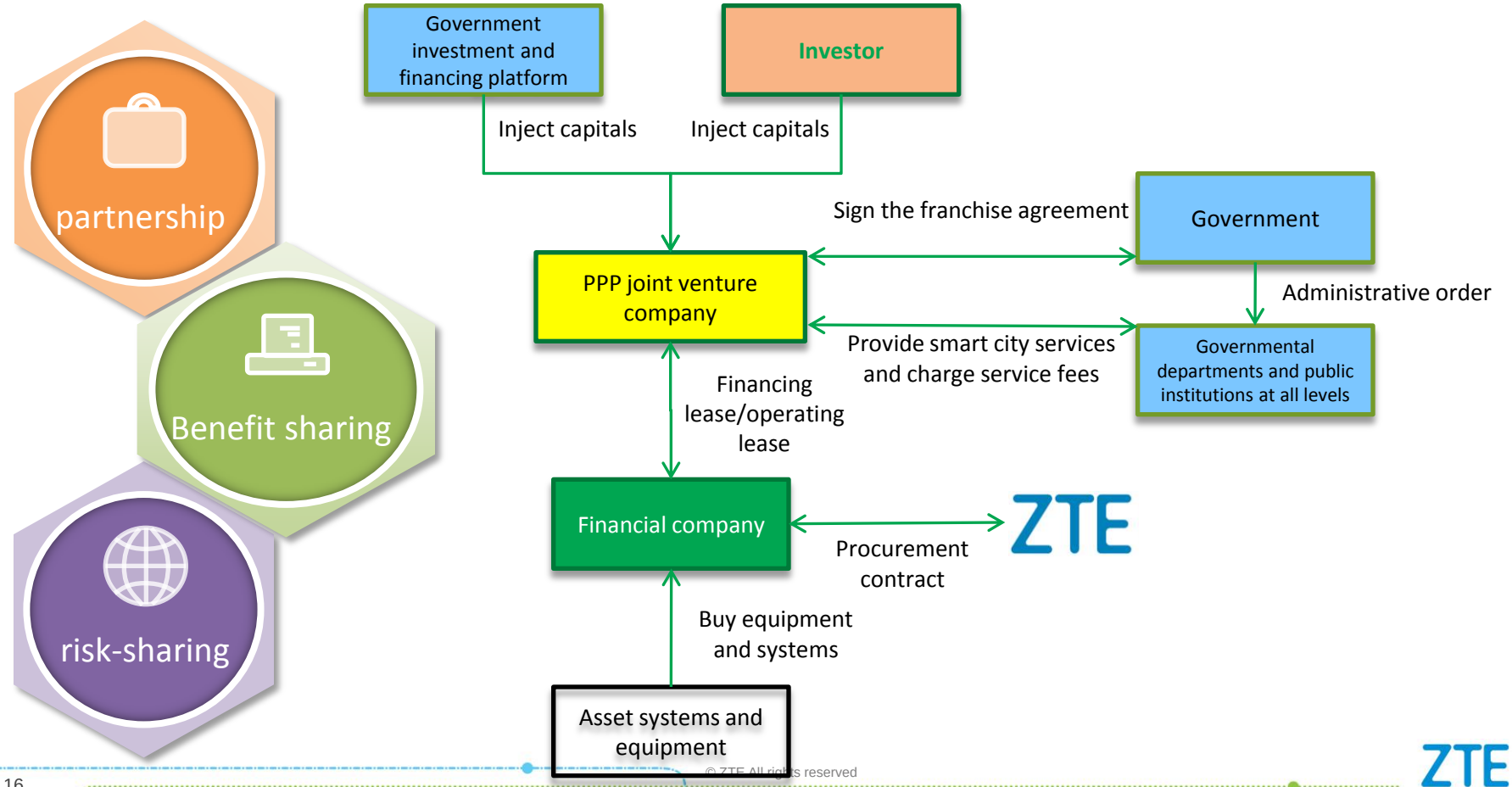
PPP Business Model



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Global Deployment

Europe

France: Safe City
Netherlands: Smart Metering
Russia: Smart Rail

Asia

Uzbekistan: Smart Rail
Laos: Public Security
Vietnam: Smart Rail
Sri Lanka: iTransportation

Africa

Nigeria: Public Security
Ethiopia: E-education
Egypt: E-education

China

Ningbo iTransportation

Hengyang Smart City

Suzhou Smart Park

Wuhan Safe City

Beijing LTE Government Network

Qinhuangdao Smart City

South America

Venezuela: Smart Logistics
Uruguay: Public Security
Chile: E-Government

ZTE being involve into Smart City deployments in over 140 cities of 40 countries all over the world!

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Thank you

Tomorrow never waits