

# **Mobility Enabled Smart Cities**

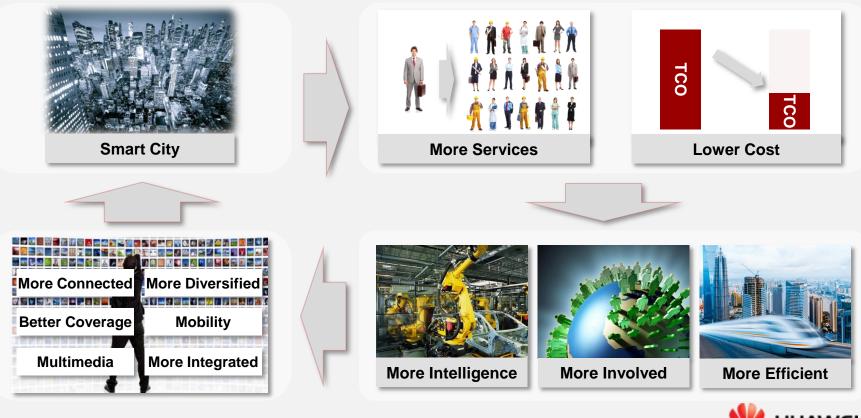


HUAWEI TECHNOLOGIES CO., LTD.

# **1. Mobile Broadband enabled Smart City**

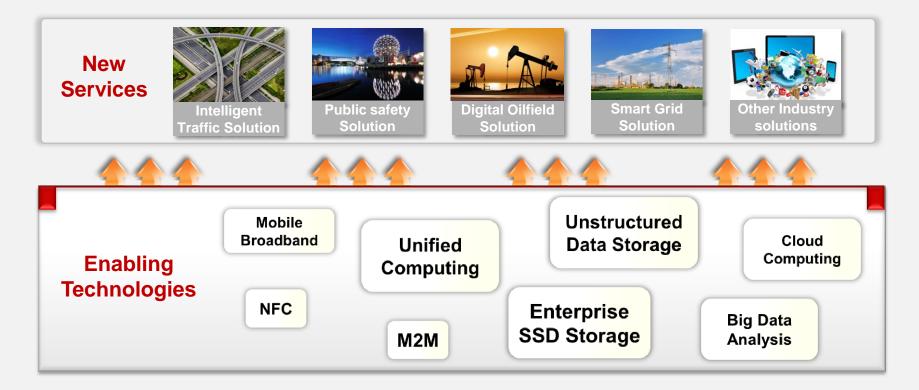
# 2. Real Life Examples

### **Trends of Smart Cities**





### **Innovations Enable New Services**



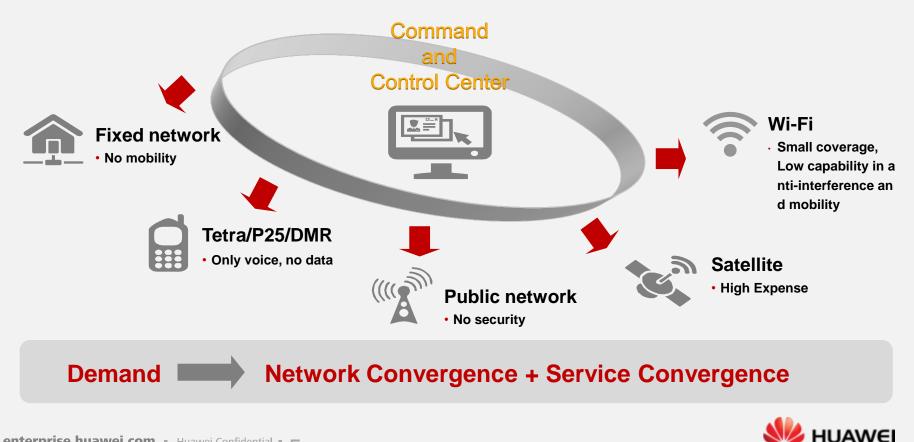


### **Demand for Service Extensions**



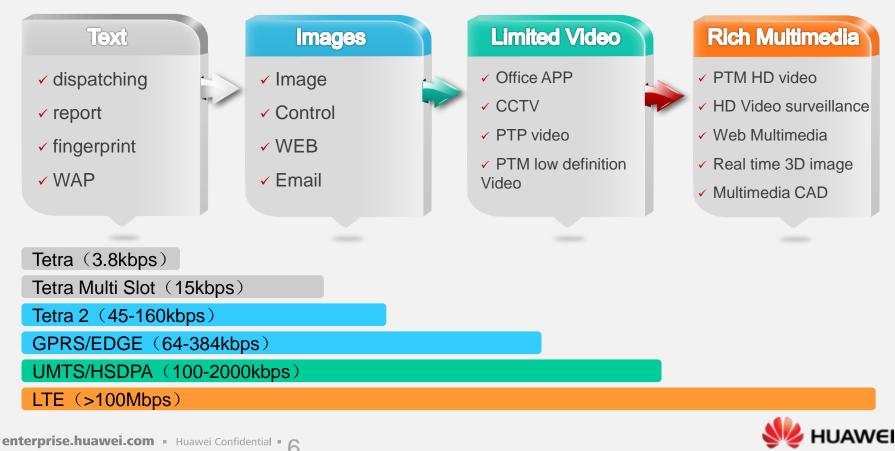


# Limitation of 'Existing' Technologies

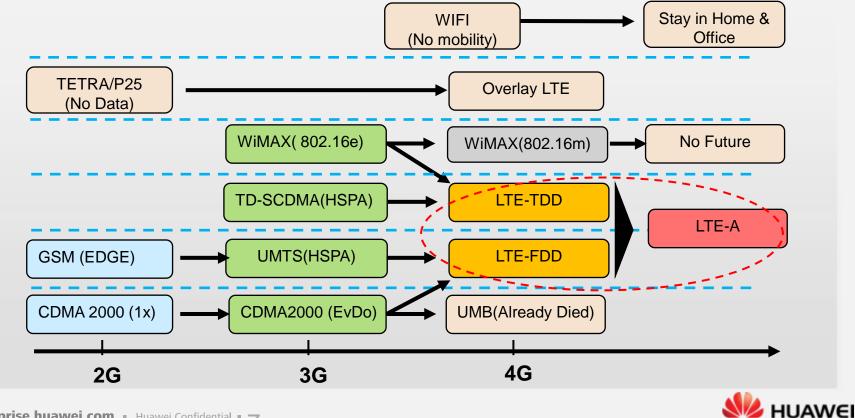




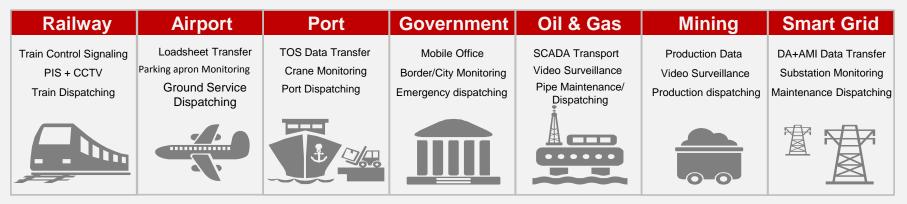
# LTE based Mobile Broadband Fills the Gap



### **Professional LTE:** The Only Choice of Future Wireless Network in Industry Market



# **Mobile Broadband Enabled Smart City Applications**



**Government and Vertical Industry** 

#### **Better Services**

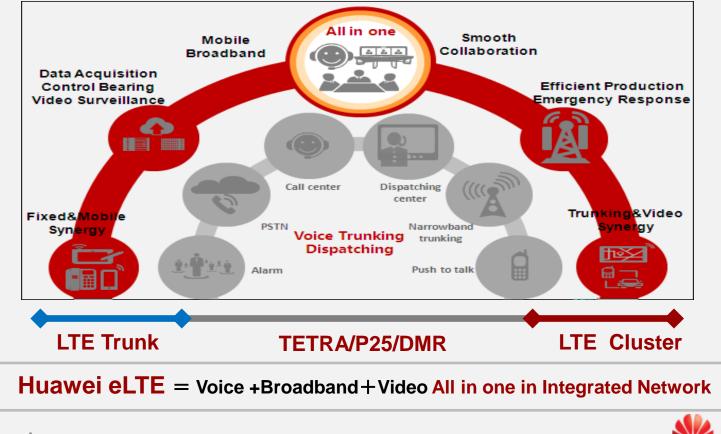
#### **From Impossible to Possible**

Network & Service Convergence: Multimedia Services on Wired Line/Wireless/Cluster Integrated Networks



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## **Huawei eLTE leading Mobile Broadband Solution**



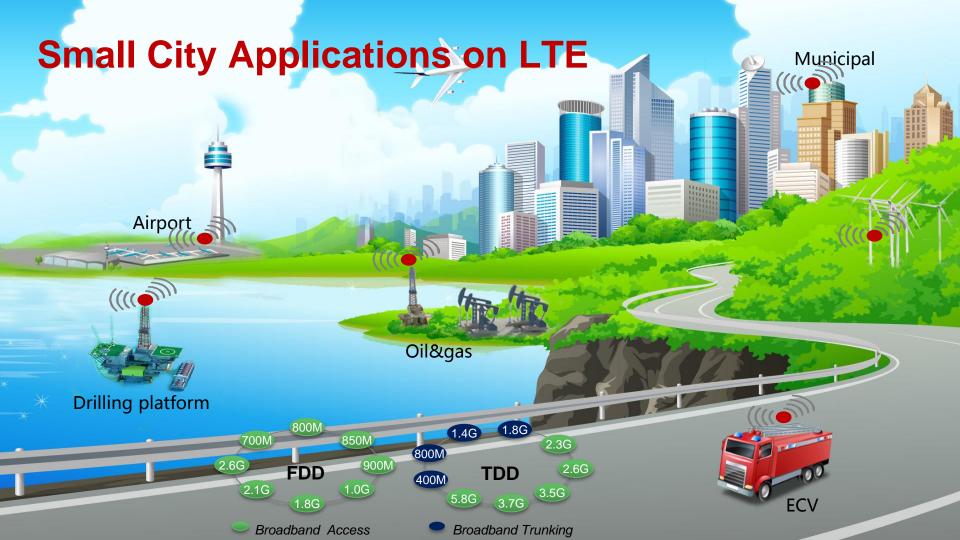


### **Huawei eLTE Enables Smart Cities**

100M Broadband Carry multi-services	Industry level design works in extreme environments	Professional trunking	Open and interconnected
<ul> <li>DL&gt;100M/Cell, UL&gt; 50M/Cell</li> <li>1<sup>st</sup> visual multi- media PTT</li> <li>Real-time video</li> </ul>	<ul> <li>IP67</li> <li>Ex ib IIB T4</li> <li>- 40~ 65 °C</li> <li>431KM/h train</li> <li>Etc.</li> </ul>	<ul> <li>Group call setup&lt; 300ms</li> <li>pre-emptive priority call &lt; 150ms</li> <li>Etc.</li> </ul>	<ul> <li>PSTN</li> <li>PLMN</li> <li>TETRA</li> <li>PABX</li> <li>Etc.</li> </ul>

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# **1. Mobile Broadband enabled Smart City**

# 2. Real Life Examples

# Mobile Broadband for E-Gov Connecting Service-Oriented Government Agencies



## **Tianjing · China**

- "One" LTE network, multi-business converged communication
- Municipal affairs and public security, unified mobile broadband dispatching system, enhance work efficiency is 30%
- Large bandwidth, ensure the future M2M smooth evolution.
- Utilized resources ratio 71%



# Mobile Broadband for Safety City Application in Li Jiang River



### **Guilin** - China

- AAAAA tourist attraction , World's Top 10 Watery Wonders, Millions of tourists every year.
- Covered 83km travels like a jade ribbon winding among thousands of grotesque peaks, difficult to Patrol supervise
- Emergency response efficiency 10%
- Accidents caused by violation run  $\Psi 50\%$



# Mobile Broadband for Power Industry Zhuhai Power Bureau



### China · Zhuhai

The first LTE-based distribution

#### network

- <100 ms delay, To meet the needs of telecommand, telemetry, telesignalling</li>
- 80% construction period



# Mobile Broadband for Oil Fields Connecting Offshore Oilfields



#### HUAWEI ENTERPRISE ICT SOLUTIONS A BETTER WAY

#### Norway

- Seamless communication for offshore oilfields
- Wide network coverage: 100 km
- Wide bandwidth: 50 Mbits/s
- Low delay: 10 ms
- Improve work efficiency by 10%



# Mobile Broadband for Metro 1<sup>st</sup> LTE for Metro, broadband T2G without interference



### Zhengzhou •Metro

- DL 20Mbps, UL 10Mbps@10Mhz, Carry HD onboard real-time IVS and PIS.
- Private network with private • frequency, secure and antiinterference.
- Support trunking and data services, future oriented.



## LTE improves your productivity and efficiency



•Airport Ground Handling •Xi'an airport •Improve key task efficiency 500%



•Mining
•One network, One terminal, One access number,
•↓TCO significantly



•Oil and Gas •Norway's offshore oilfields •Coverage up to 100 km



Seaport
Yantai demo
✓ 90% equipments



•SME Office/Branch Office •One-BOX support hybrid network access, ♥90% deploy duration



Waiting for your success stories.....



## **Huawei: A Better Partner for Your Business**

#### **Customer-centric**

Enabling agile customer solutions

**Quality** 2 billion users worldwide

#### **Global** 140+ countries

#### **Trusted**

A fortune 500 company with 20 years' steady growth

#### Innovation

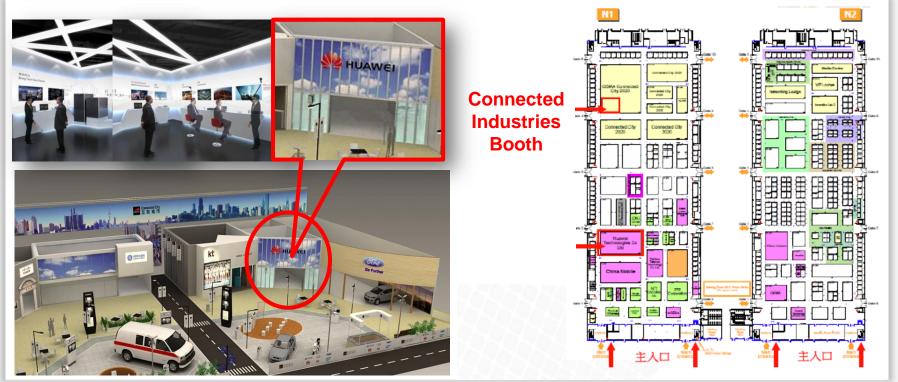
70,000 R&D employees, over 10% of sales revenue invest in R&D

#### **TCO Saving**

Overcome the growing TCO, not just the purchase costs



## Welcome to Huawei Connected Industries Booth Position : Hall N1, Booth N1.D120







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