

### **The Economic Transformation**



Digital transformation is the vision; IoT is the enabling base, smartest cities and industries are the results



## We Are Entering an Intelligent World



#### **All Things Sensing**

Sensing the physical world, mapping it to digital signals

Temperature, space, and touch Sense of smell, hearing, and vision



#### **All Things Connected**

Data goes online to power machine intelligence

Ubiquitous connection, wide connections, multiple connections, and deep connections



#### **All Things Intelligent**

Big data and AI power new applications

Digital twin Digital survival



ICT infrastructure will be the foundation of the intelligent world



In 2017 in Antigua and Barbuda, CARICOM Heads of Government approved the Roadmap for the CARICOM Single ICT Space. There, the CARICOM Governments, CTU, Huawei and other private sector participants agreed to the following 6 principles:

Principle 1: Putting Caribbean Citizens first

Principle 2:Putting ICT at the centre of our national socio-economic development agenda

Principle 3: Improving access to ICT especially Broadband

Principle 4: Improve accountability, efficiency and openness through ICT

Principle 5: Engaging the Private Sector

Principle 6: Leveraging ICT to promote sustainable development



### fastforward II

Trinidad and Tobago's
Draft National ICT Plan
2017 – 2021

Empowered People. Competitive Businesses. Transformational Government.

March 2017



### 5 Strategic Thrusts

- 1. Improving Connectivity
  - Advancing the deployment of ICT infrastructure to support securely connected people, businesses, and government
- 2. Increasing Human Capacity

  Enhancing digital literacy and developing the skills to enable productivity and innovation
- 3. Enhancing Public Service Delivery

  Ensuring the use of ICT to transform the delivery of public goods and services and achieve institutional strength and capacity
- 4. Fostering Economic Development

  Creating an environment for eBusiness and ICT Sector advancement
- 5. Advancing Environmental and Societal Benefit

  Managing the use of ICT to minimize environmental impact and to tackle the most pressing social challenges facing the country



## Digital Transformation DO IT!



## How do you do a Smart Nation?



# Overall Structure of Huawei Smart City Solution: Converged Structure and Application Enablement





## Major challenges of broadband roll-out



Huge capital investment

Long construction period

Difficult to have Rights of way

**Network** 



Urban communications network





### Government plays a critical role of broadband development



HUAWEI

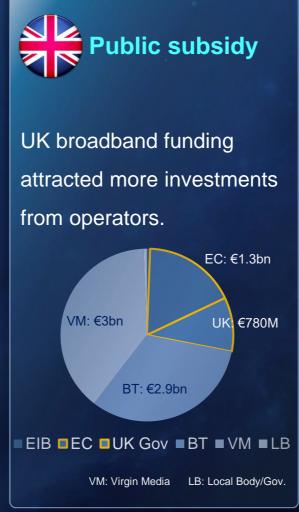
## Funding models of national broadband development



The Smart Nation Platform (SNP) is an infrastructure being built by Gov. to enable greater pervasive connectivity.











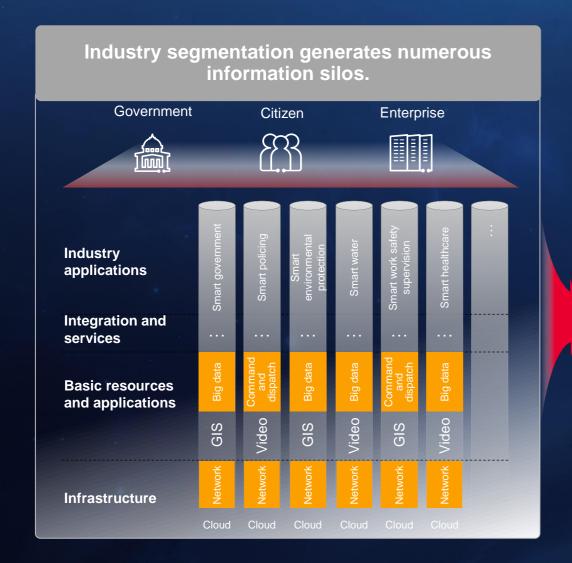
#### Principle 4: Improve accountability, efficiency and openness through ICT

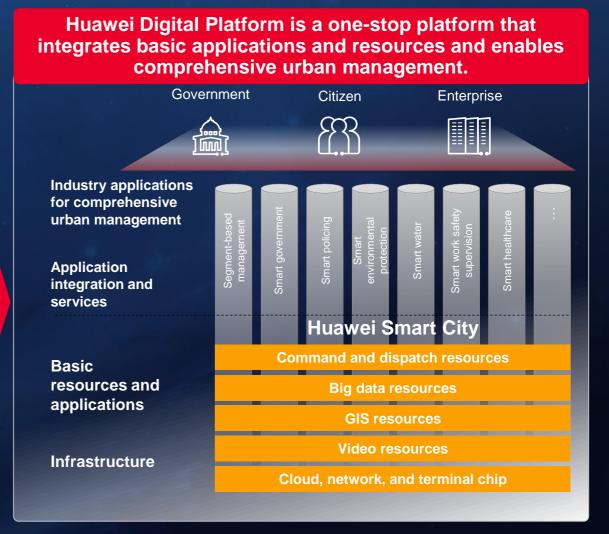
**Thrust 3:** Enhancing Public Service Delivery





#### Digital Platform: From Siloed Management to Integrated Governance







# **Enabling "Single-Window" Government Services Through Cloud Transformation**





Cross-agency data sharing



Approval process



Average waiting time





# Improving Public Safety with Video Cloud and Artificial Intelligence



2016-2017

The crime rate is decreased by 28.79%.

The case handling efficiency is improved by **50**%.







Principle 6: Leveraging ICT to promote sustainable development

Thrust 4: Fostering Economic Development

Thrust 5: Advancing Environmental and Societal Benefit

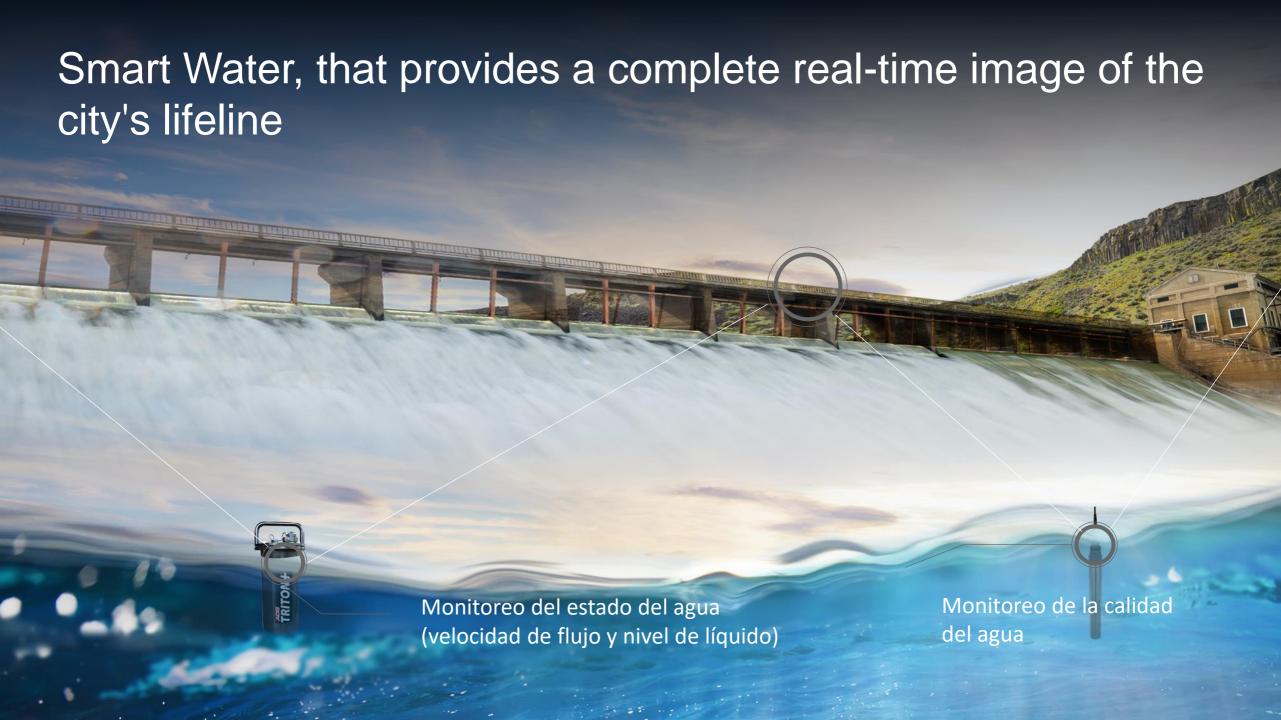




### Smart parking, offering new parking services

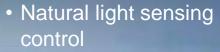


Yanbu, Arabia Saudita: Al usar eLTE, la ciudad ha mejorado la utilización del espacio de estacionamiento en un 25% y reducido los costos laborales en un 30%.



Smart Streetlight, ideal for the construction of cities that save energy

More than **40**, **000** streetlights in Weifang have been reconstructed based on NB-IoT. As a result, the O&M efficiency is improved by **45**%, the lighting rate is increased by **25**%, and the annual electricity consumption is reduced by **6.8** million kWh.



IoT policy control



Information release/billboard



Air monitoring



Public Wi-Fi coverage



Video surveillance



Emergency call button

### Smarter Caribbean through Collaboration



**LEADING NEW ICT** 

# The IOC acts as the brain and supports the scientific management and decision-making based on Big Data.



#### **Key Success Factors for Digital Transformation**



Bring digital to every person, home and organization for a fully connected, intelligent world