



Smarter Nation

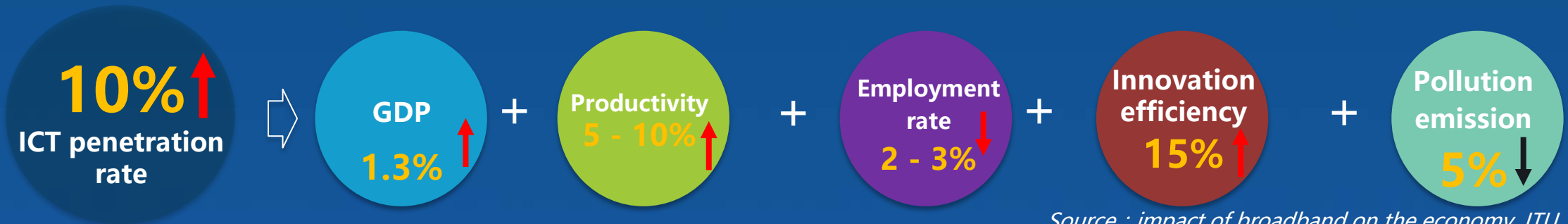
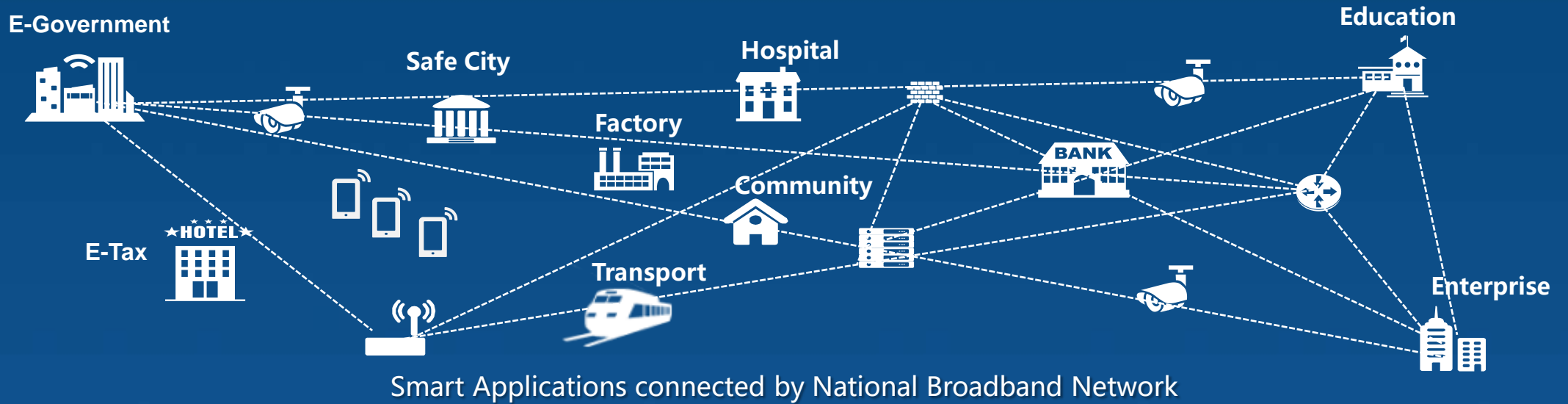
Luis Guillot, CTO of Huawei Latin America EBG

LEADING NEW ICT



Smarter Nation

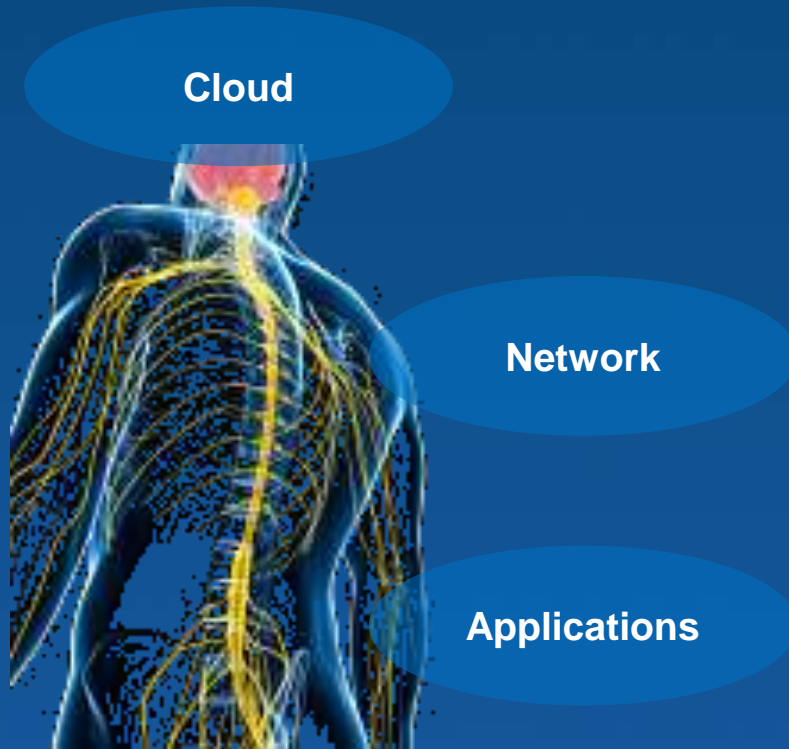
Touches all aspects of life



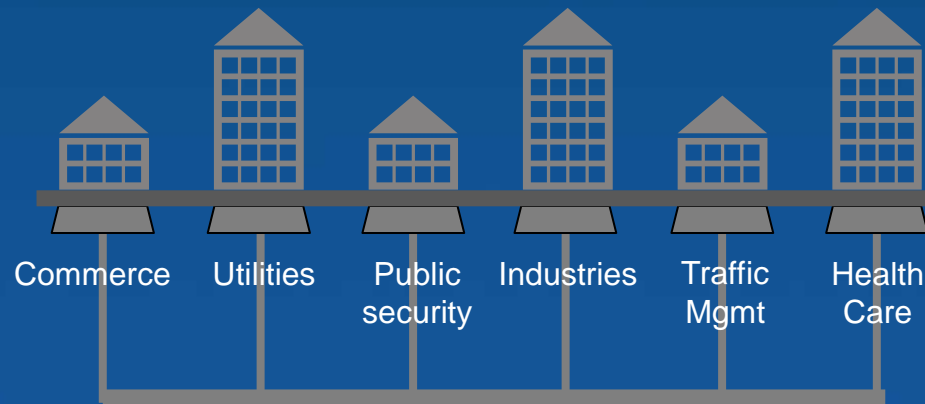
Source : impact of broadband on the economy, ITU

How to make Smarter and Elastic?

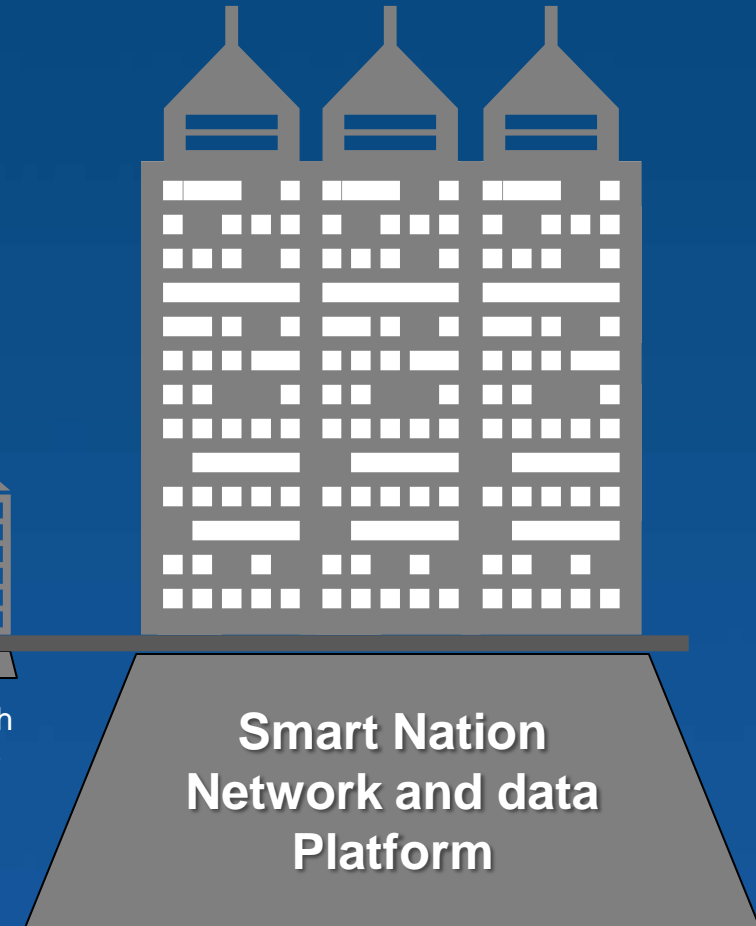
Smart Nation likes a Body



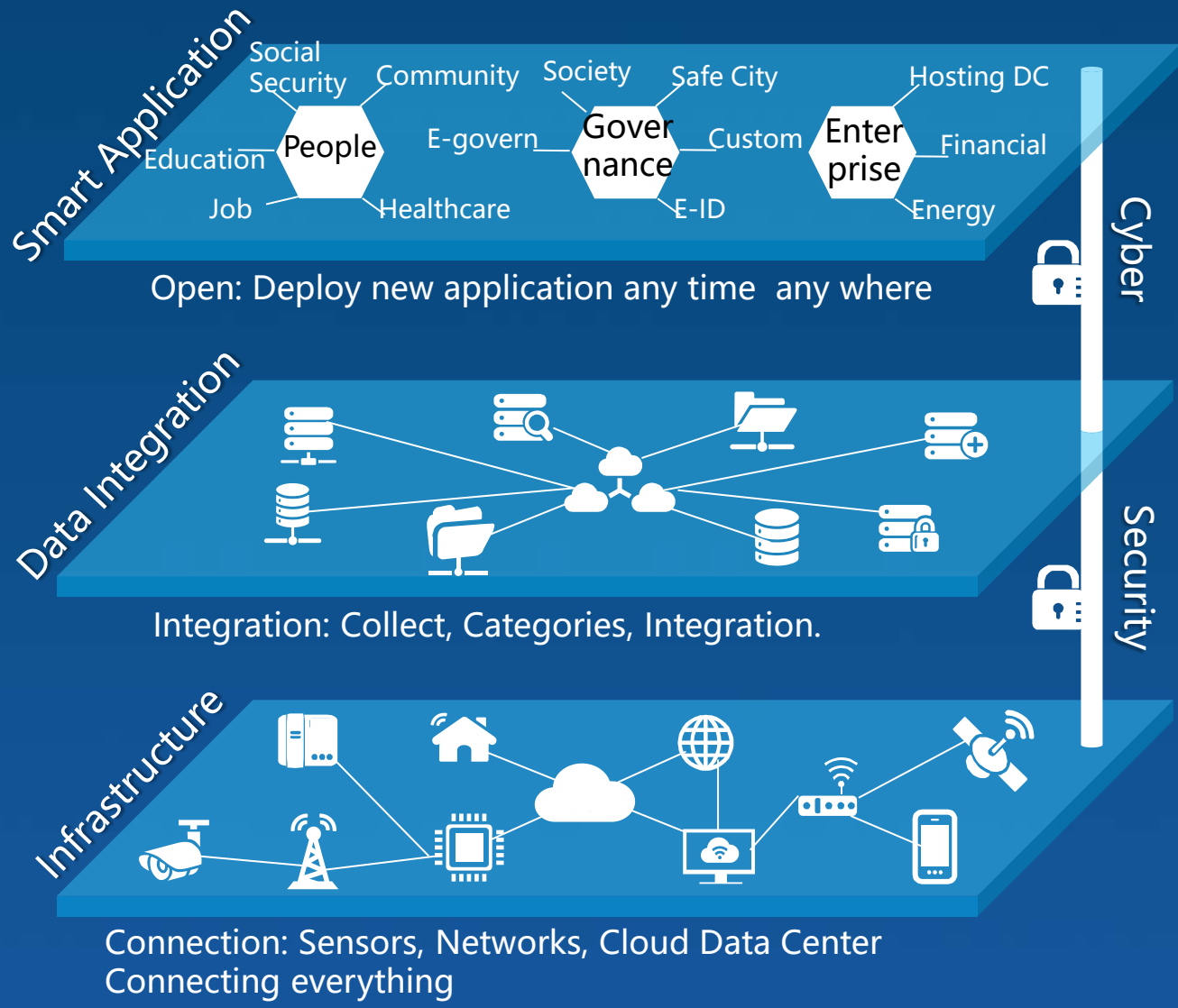
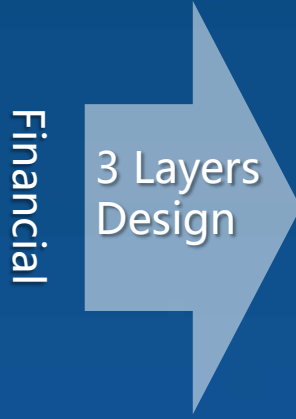
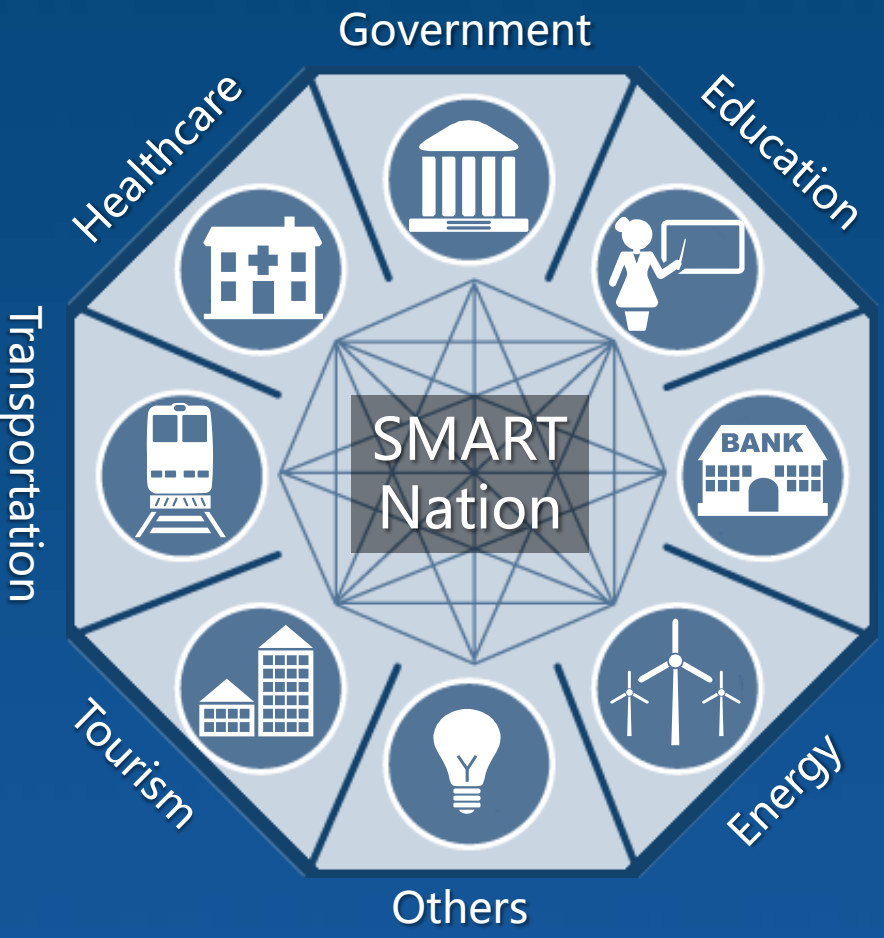
A Smarter Nation consists of multiple agencies & enterprises who collect & share information to make informed decisions and ensure the citizens are informed and aware



Smart Nation



Smart Nation TOP-DOWN Design

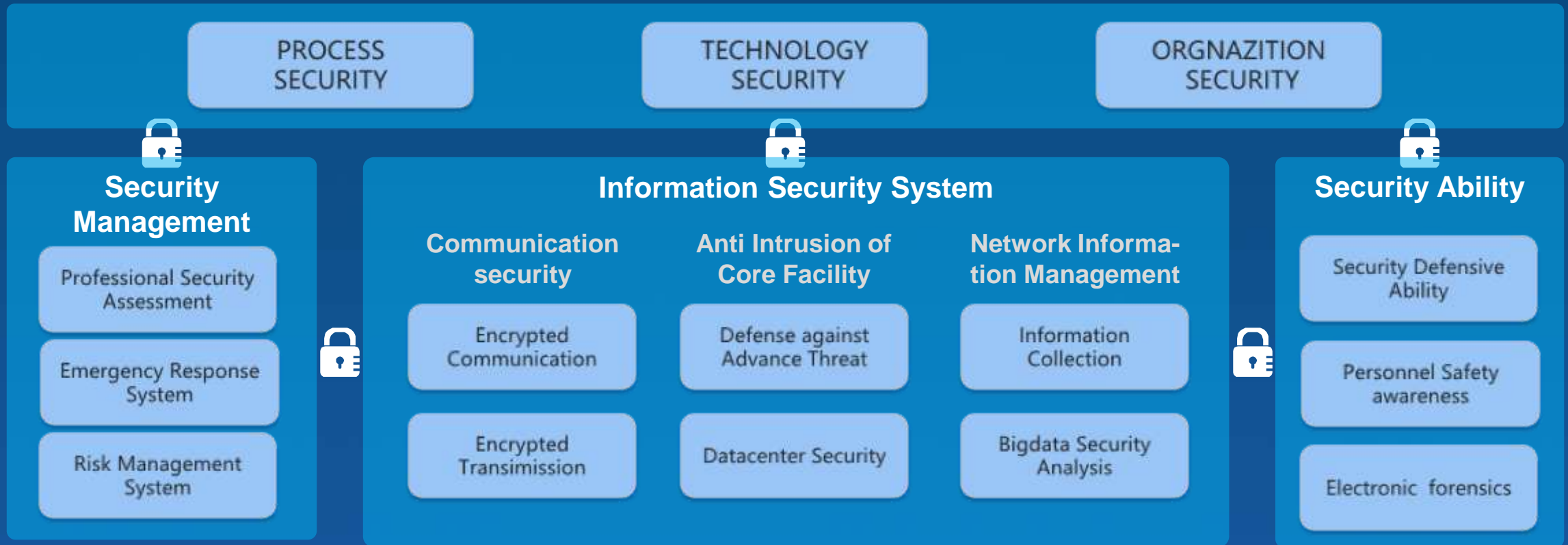


Smart Nation Logical Infrastructure



Security, Make Smart Nation Possible

Smart City



Operation and Management Center



Safe City: Manage the uncertain threats



Flood



Law case/Riot



Fire disaster



Traffic Disaster



Border clash



Safe city



Disaster warning



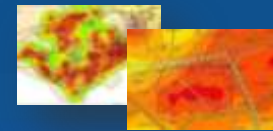
Safe special area



Command center
(CAD+GIS+CCTV)



Telepresence collaboration
(Video conference +CCTV)



Case Video Analysis
(HD videos +Business intelligent)



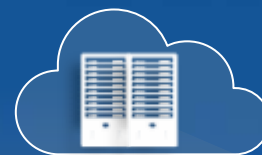
Wired & Wireless



1st Visible Trunking



Cloud Data Center



Big Data Platform

Before the incident

Smart Sensing



Omni Protection

- Video Prevention
- Intelligent Early - Warning

During the incident

Smart Decision-Making



Rapid Response

- ◆ Multi-Agency Collaboration
- ◆ Empower the Field

After the incident

Smart Clue Analysing



Efficient Case-Solving

- Multi-dimensional intelligence
- Intelligent Analysis

E-ID : One Card for Everything



Self-clearance & Self check-in



Identity verification



Real-name registration



Social welfare

Smart Education: High Quality, Available for Everyone

Sharing



Sharing all advanced resource all over the country

Innovation



transform from traditional teaching process to interactive teaching

Collaboration



Improve learning efficiency



- ### 1 Basic Infrastructure
- Agile Campus Network Solution
 - School Interconnection Network Solution
 - Safe Campus Solution

2 Cloud platform

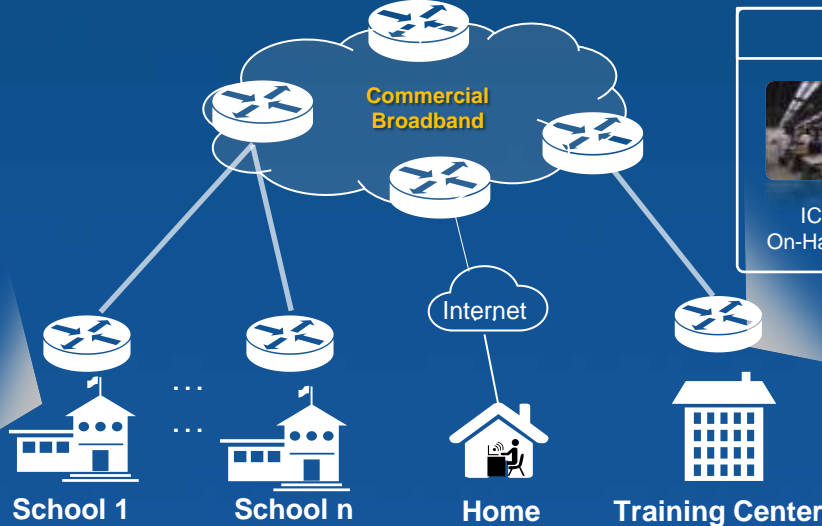
- Resource Sharing platform
 - Digital Library
 - Online Learning
- Education Management platform
 - e-Management

Scenes

Live Classroom Remote Classroom
Interactive Classroom Multi-Media Classroom

Scenes

ICT Training On-Hands Exercise ICT Training Lecture Training



3 Smart classroom

- Interactive Teaching Solution
- Telepresence Live Classroom
- Solar integrated Classroom

Public WiFi Service for all the people

Network Structure

Metro



Centralized Operation



Captive Portal Pages



Data Analysis



Advertising Push

Application Servers



RADIUS



Billing

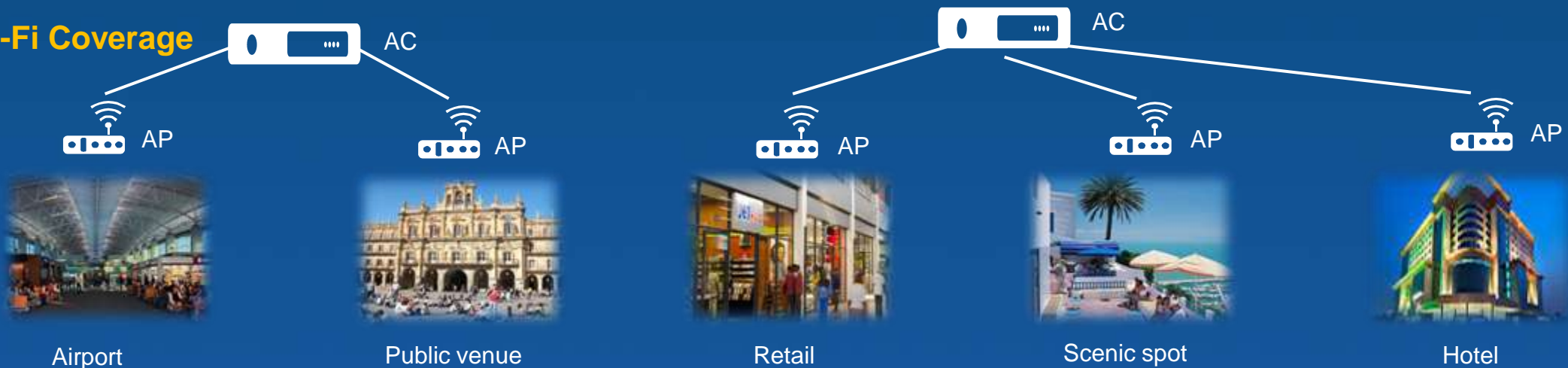


Information



Analysis

Wi-Fi Coverage



Smart healthcare: Better Service for Everyone



Regional Health

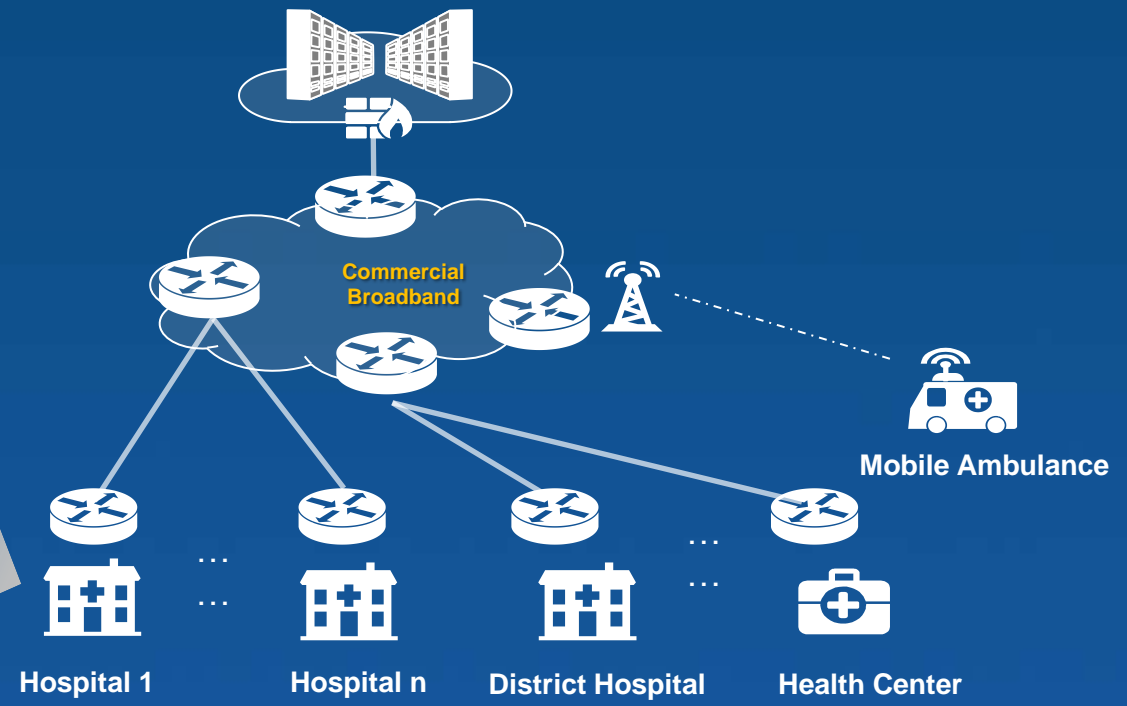
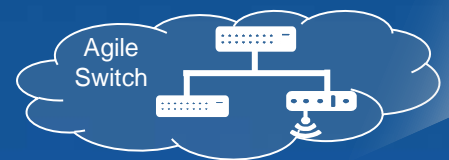
HER Platform	Medicine Management	Telemedicine	Primary Health	Collaborative office	Disease Network report	Public Health Emergency Command

Regional Health Data Center

E-Hospital

HIS/EMR LIS,PACS/RIS	Mobile Health

Hospital Agile Campus Network



Smart Applications Benefits to Various Sectors, People, Enterprises, and Government Agencies



Utility



Police



Healthcare



Traffic



Education



Enterprises



Transport

Summa

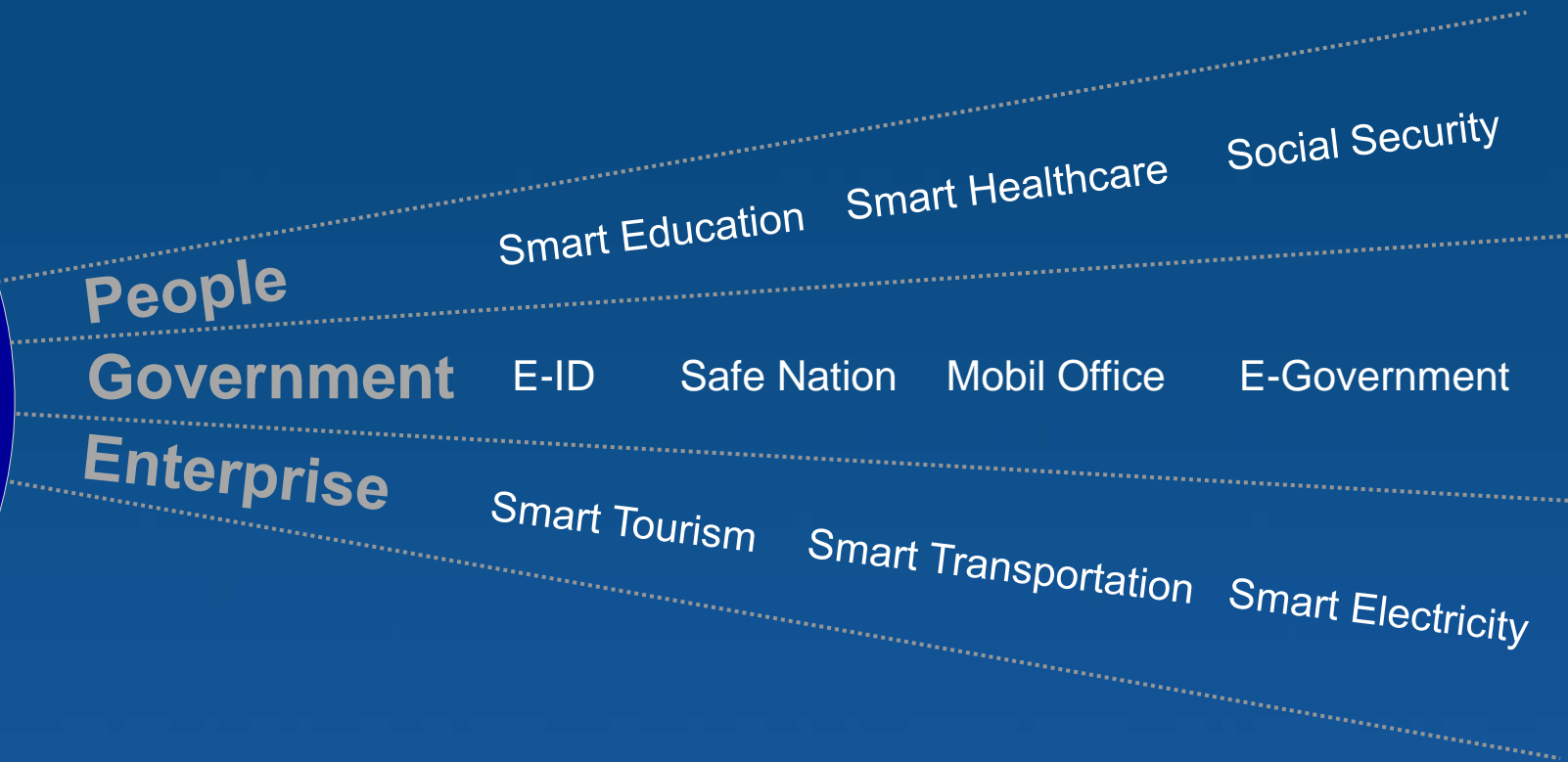
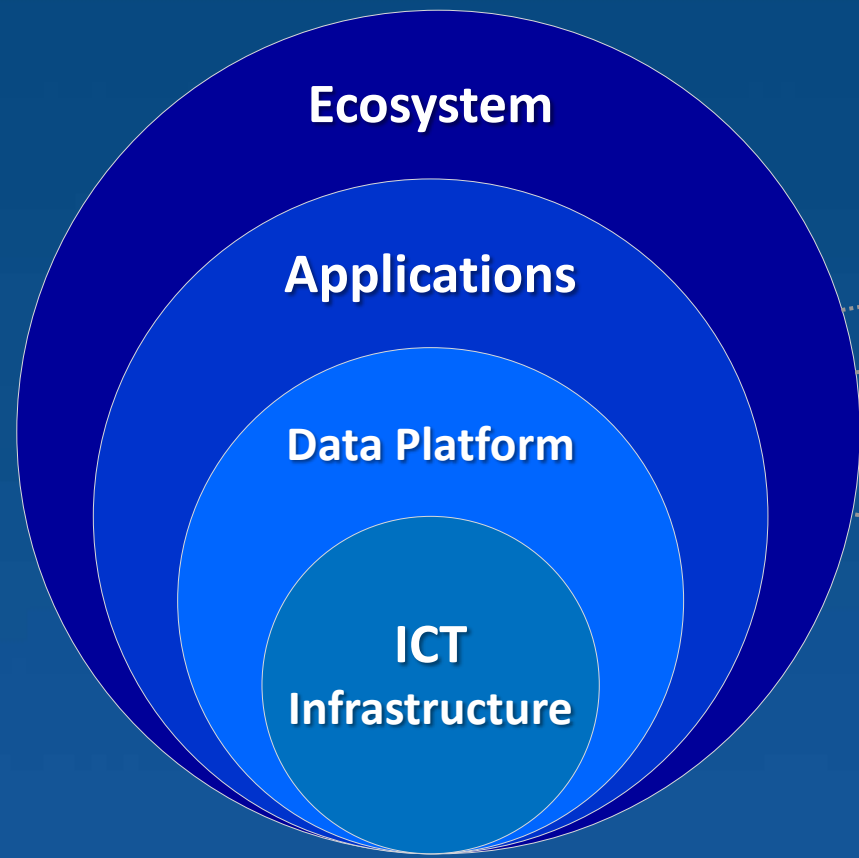
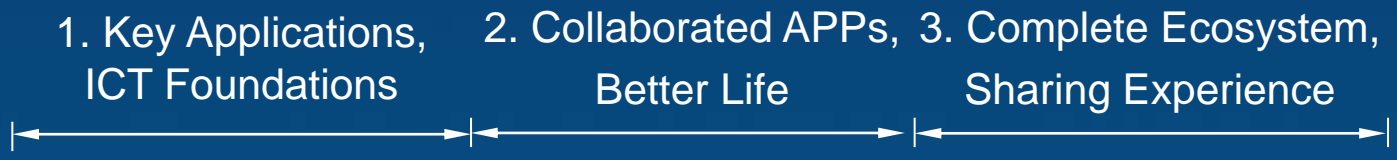
Smart Nation Management

Nation



Expectations for Smart Nation

On the Way



2016 **2020** **2025** **2030**

Connection Indicator

9% **47%** **78%** **92%**

Huawei, an Experienced Smart Nation Enabler



Huawei Smart City serve **400M** people in **100+** cities across **30+** countries

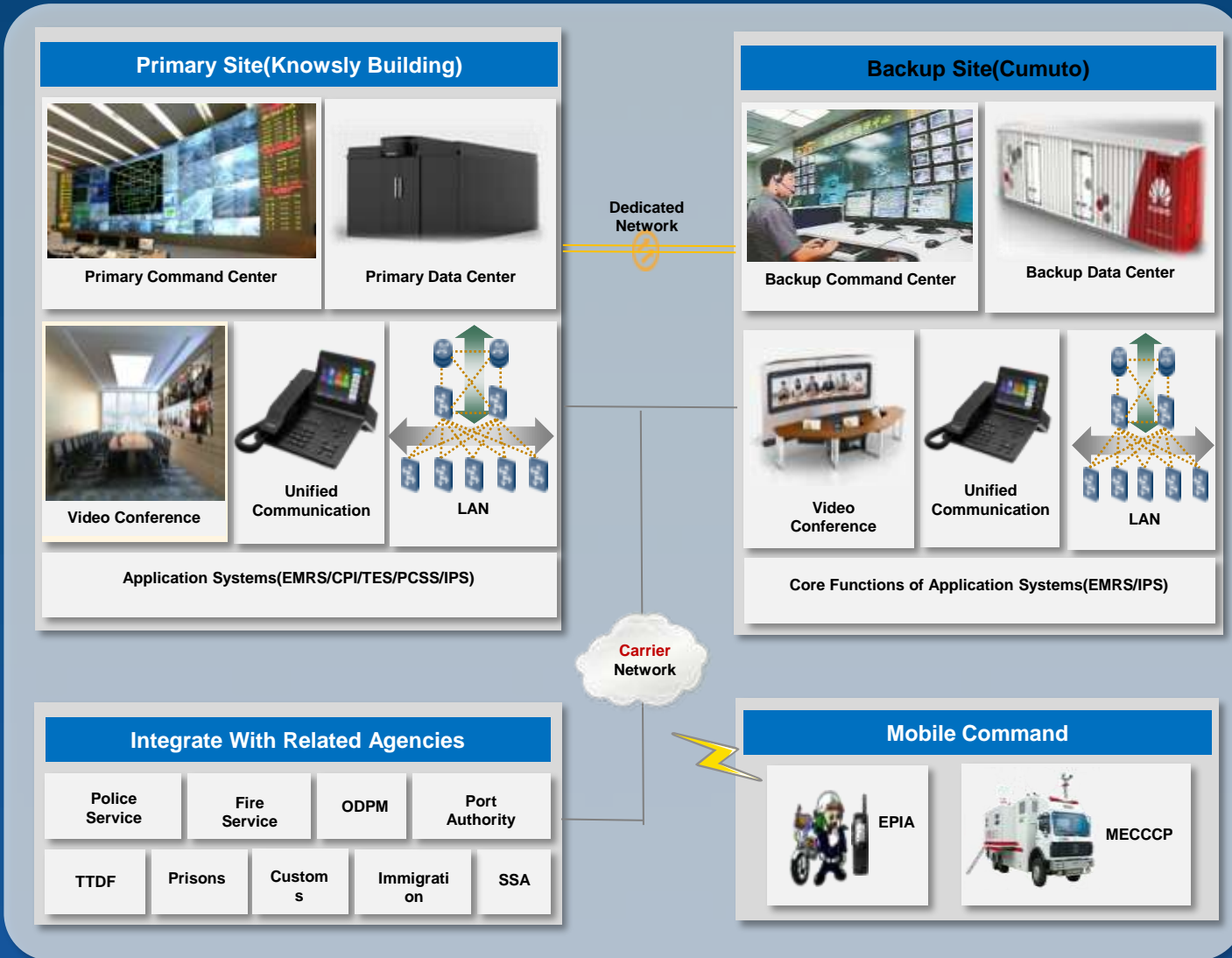


THANK YOU

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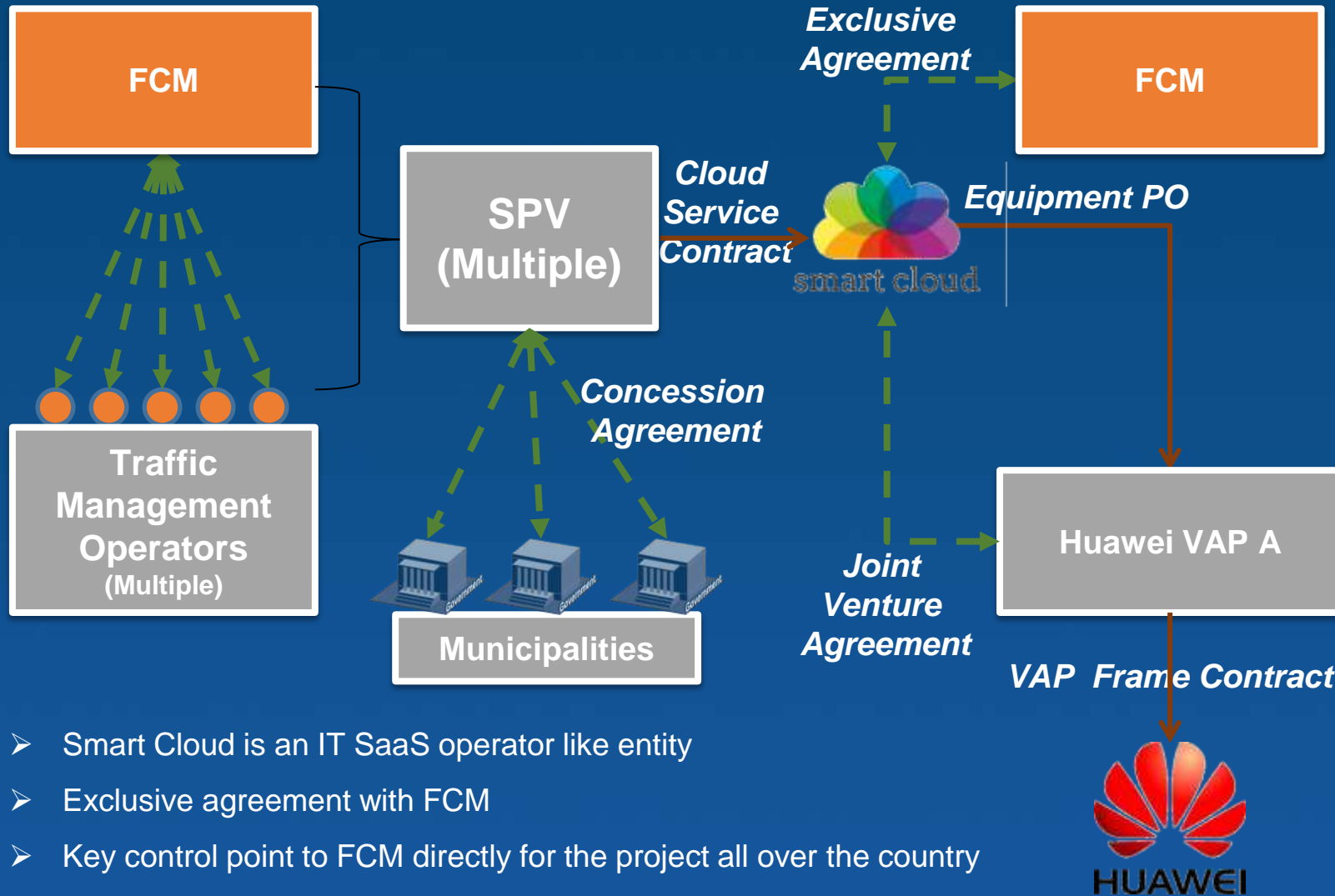
Trinidad and Tobago – Emergency Command Project



Huawei Solution

- **C**omprehensive emergency management platform and integrate all the current emergent system to bring smart;
- **S**treamline cases management, advanced crisis management workflow, quick response.
- **V**isualize command, iMax command system, decision-making assistant;
- **U**nified communication system, integrating mobile phone, fixed phone, existing trunking system, easy communication, high efficiency
- **M**obile command centers for special cases in case of big disasters or need command on site
- **M**obile application for site policeman to reduce workload and increase efficiency

Colombia ITS: PPP Mode, authorize FCM to build and Operate for all small and medium municipalities over the country



- **Authorization from Gov.:** To FCM for nation wide S&M municipalities for traffic management, **Traffic Violation Penalty is the key**
- **Politic Appeal:** Rule driving behavior, relieve traffic congestion, reduce traffic accidents and pollution
- **Introduce operators for JVC** thru bidding process
 - Review and correct violation
 - Capture violation on road
 - Violation complain and appeal

Note: Violation ticket is final approved by TA
- **Construction unified, Operation together:** Create a new company, SmartCloud, for unified construction:
 - Rent facilities to SPVs

- Smart Cloud is an IT SaaS operator like entity
- Exclusive agreement with FCM
- Key control point to FCM directly for the project all over the country