



Nigeria Smart City Deployment Drives Digital Economy & Growth

Huawei: Leading Global Provider of ICT Infrastructure and Smart Devices



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

Huawei's end-to-end portfolio of products, solutions and services are both competitive and secure. Through open collaboration with ecosystem partners, we create lasting value for our customers, working to empower people, enrich home life, and inspire innovation in organizations of all shapes and sizes.

At Huawei, innovation focuses on customer needs. We invest heavily in basic research, concentrating on technological breakthroughs that drive the world forward.



188,000

Employees

80,000+

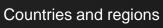
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R&D employees



170+





Interbrand's

Top 100 Best Global Brands

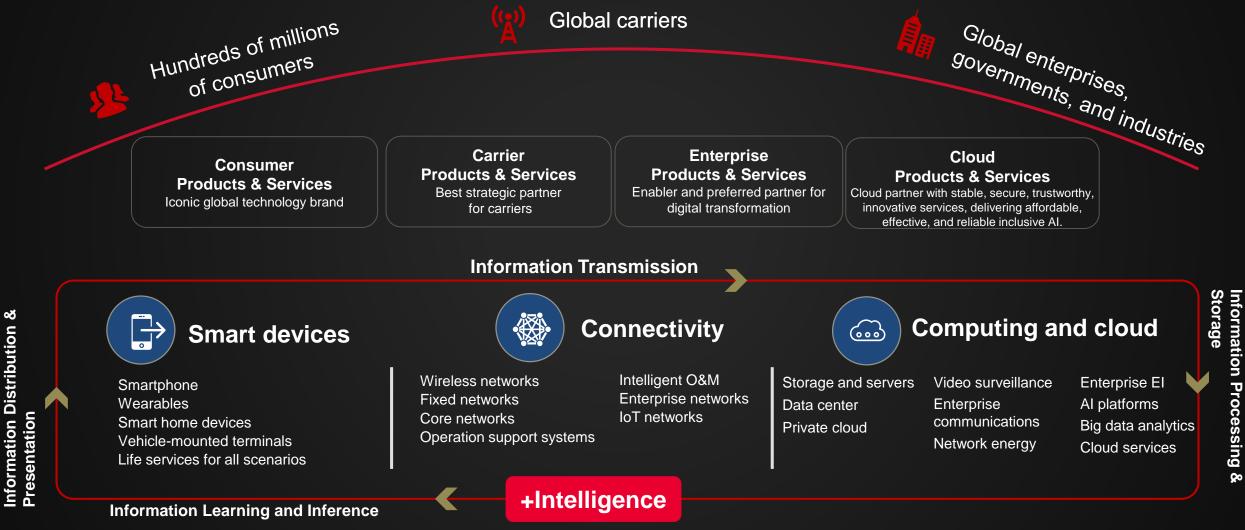


72 in

Fortune Global 500



Focusing on Smart Devices, Connectivity, Computing, and Cloud; Providing Products and Solutions for Three Customer Groups





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

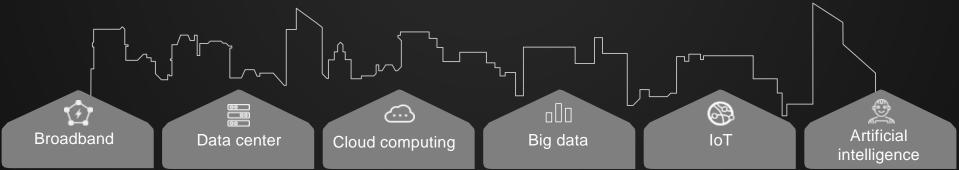
Ubiquitous connections, wide connections,

multiple connections, and deep connections



All Things Intelligent

Big data and AI power new applications
Digital twins
Digital survival



ICT infrastructure will be the foundation of the intelligent world



Smart Cities Are Booming Around The Globe



Smart Cities Bring Comprehensive Positive Changes

Efficient Municipal Governance



- Social security
- Emergency response
- Utilities management
- Urban planning

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High-Quality Public Services



- Public transportation
- Education
- Healthcare

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Government services

Sustainable Economic Development



- Industrial parks
- Tourism
- Logistics

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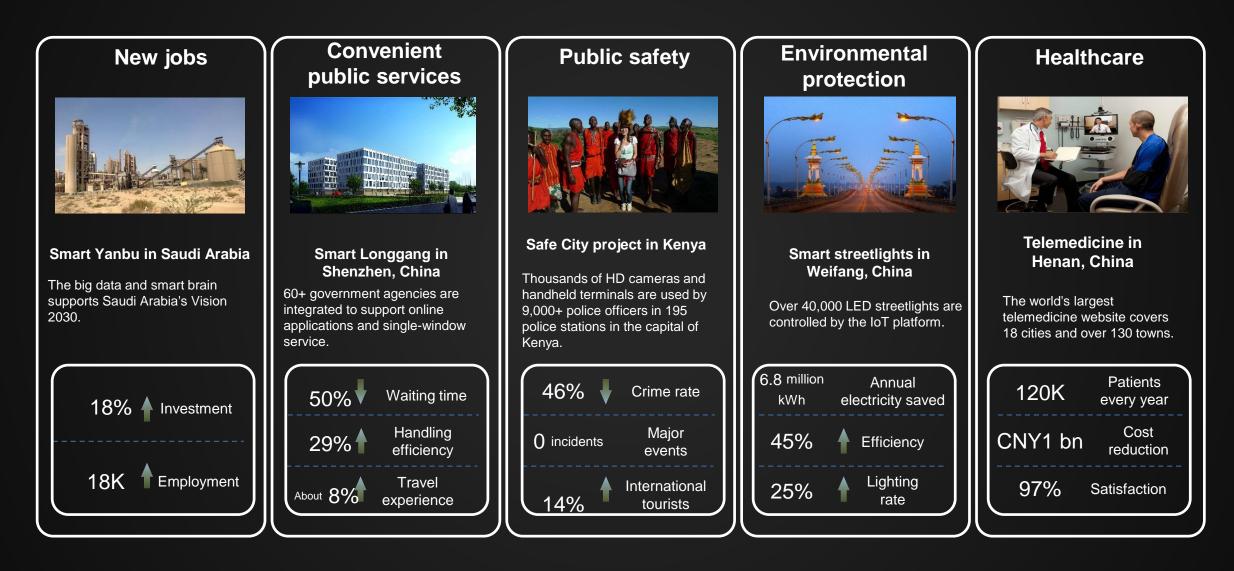
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• Agriculture



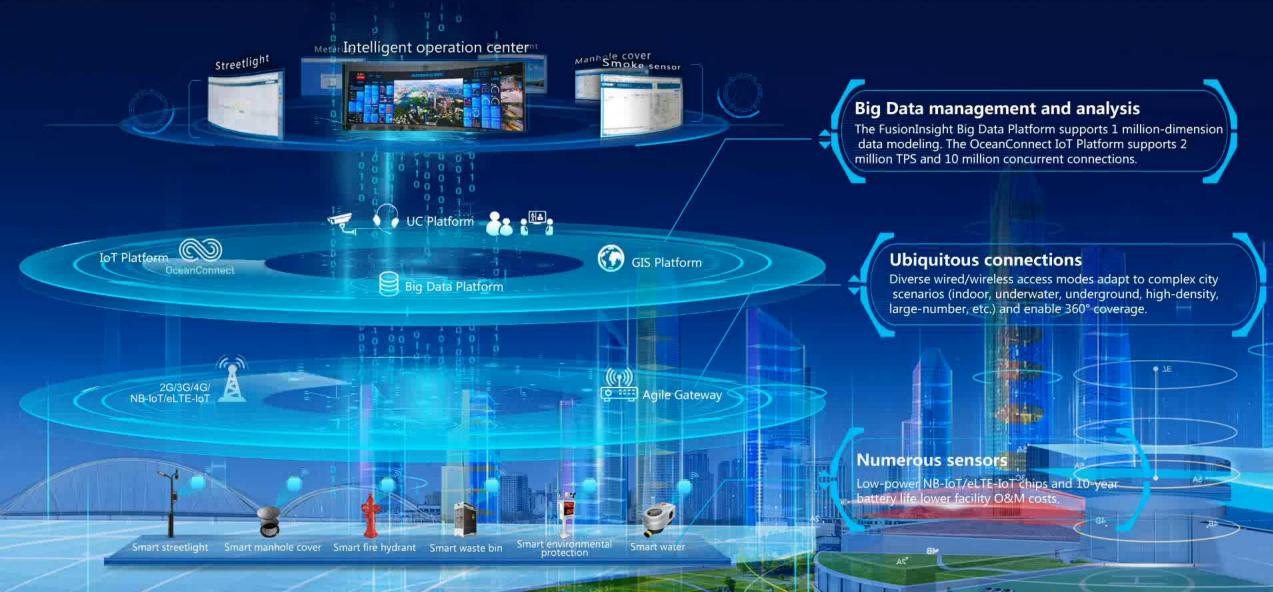
G NEW ICT

Social and Economic Value of Smart Cities





Nervous System, Building a Smart City with All Things Sensing, Connected, and Intelligent



Sensing Connection Intelligence

NB-IoT/eLTE-IoT, the LPWA IoT Technologies Best Suited for Smart Cities



100, 000 connections/cell (100 times that of 4G)

Battery life of 10 years (5 times that of 4G)

Unmatched signal penetration (workable in water or underground)

C.



7X

2015 400 million Cellular IoT connections



Smart Streetlight, Ideal for Energy-Saving City Construction

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.



Information release/billboard



Air monitoring

Public Wi-Fi coverage



Video surveillance Natural light sensing controlIoT policy control

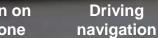


Emergency call button

Smart Parking, Delivering Brand-New Parking Services Downtown

Regulate drivers' behavior to ensure reasonable usage of parking space.

Parking space query Reservation on mobile phone



Quick payment





10-3450 - 346000000 10-3600 - 34600 10-3600 - 34600 10-3600 - 34600 10-3600 - 34600 10-3 Accurately and quickly detect parking space occupation status.

Yanbu, Saudi Arabia: By using the eLTE, the city has improved parking space utilization by **25%**, and reduced labor costs by **30%**.

Smart Water, Giving a Real-Time Full Picture of the City Lifeline

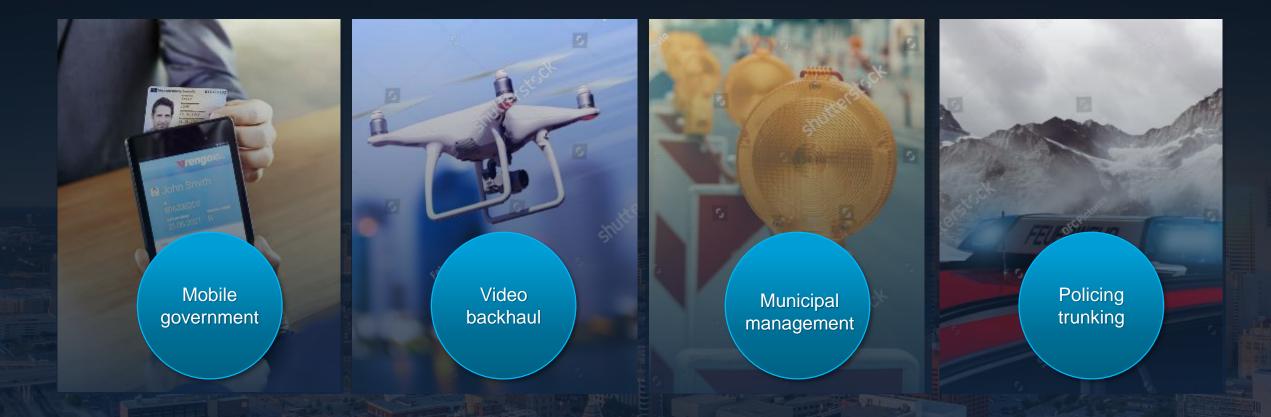
Weifang promotes 'smart river chief' solution based on eLTE to know water state and quality in real time.



Water state monitoring (flow velocity and liquid level) Water quality monitoring

Sensing Connection Intelligence

eLTE, Building a Secure and Reliable Government Private Network



Broadband and narrowband integration based on 4.5G technology; wireless IoT with licensed and unlicensed spectrums

Large-capacity narrowband IoT, 50, 000 connections per base station

High-Density Wi-Fi, Improving Wireless Broadband Access Experience





80, 645

spectators

Ultra-large scale and ultra-dense

24, 000 concurrent connections

Concurrent connection rate 50%

100% coverage

Without blind spots

Agile All-Optical Network, Supporting Smart Life, Office, and Business



Reliable

- One fiber for multiple services
- Simplified architecture and easy O&M

 Active devices replaced by passive devices

Copper cables replaced by optical fibers

Flexible

- Open cloud access
- Centralized device management

Residence: 5, 000 Store: 1000 Large shopping mall: 1 4-star hotel: 1 Office building: 7 5-star health center: 1 School: 2 Parking spot: 10, 000 Population: 100, 000– 120, 000

Project Name: Guangfu Community Total land area: 0.66 million square meters Total construction area: 1.6 million square meters



Sensing Connection Intelligence

IOC Acts as the City Brain and Supports Scientific City Management and Decision-Making based on Big Data.



Big Data Requires Big Pipes and Large-Scale Computing Capabilities.

loT Data – starry sky

In the future, information pipes will become as wide as the Pacific Ocean.

Internet data – ocean



Management data - river



Open, flexible, and secure



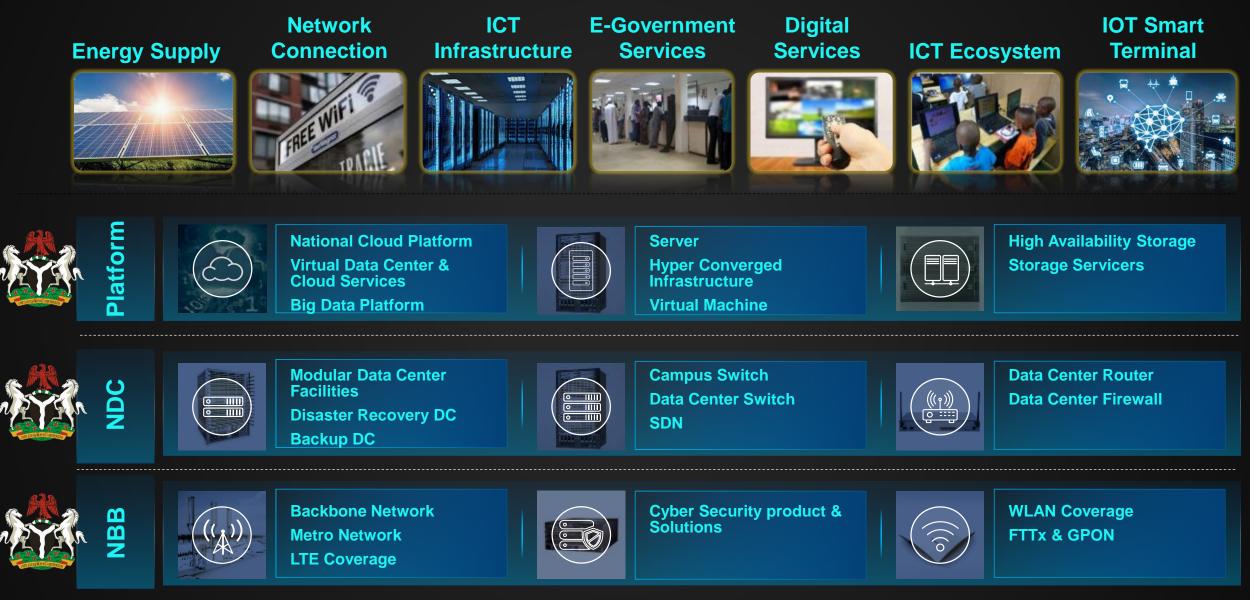
High bandwidth and low latency



1 million-level data modeling

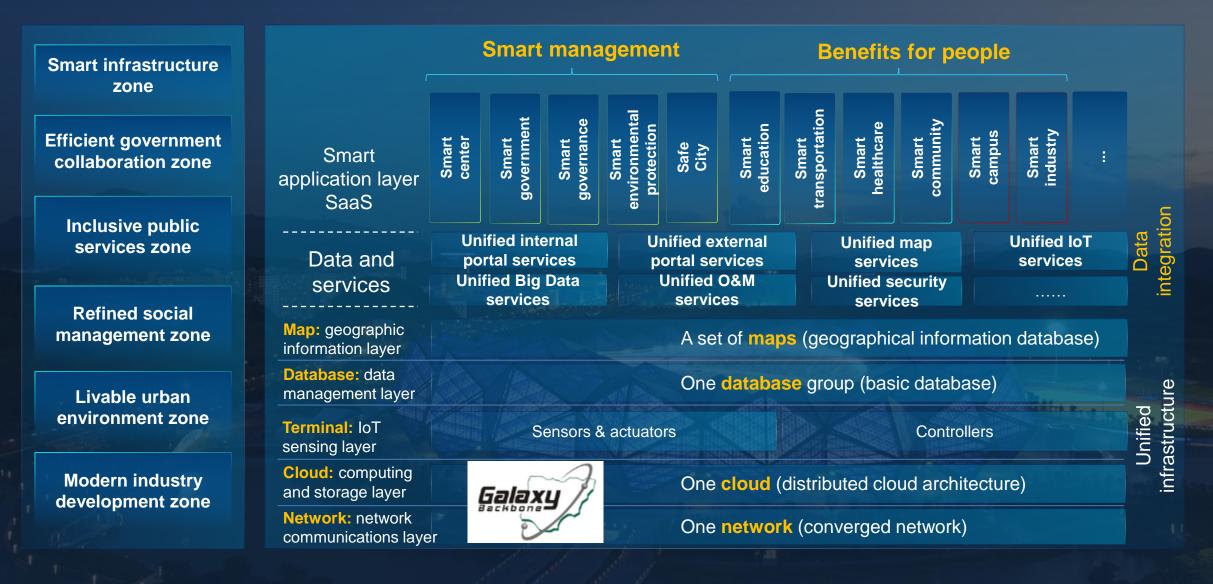
LEADING NEW ICT

Strategic Partnership with MoC to Build Smart City in Nigeria





Galaxy Will Be the Basement of Smart Nigeria



Huawei Smart City Strategic Vision: Platform + Ecosystem, Building Better Smart Cities

Focus on customer requirements and provide a holistic set of Smart City solution.



Cooperative, Win-Win, and Open Ecosystem worldwide



Leading New ICT, Building a Smart City Nervous System



THANK YOU

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TO TTO FIRM DATE