

IPv6 Enhanced, the Cornerstone of African Digitalization

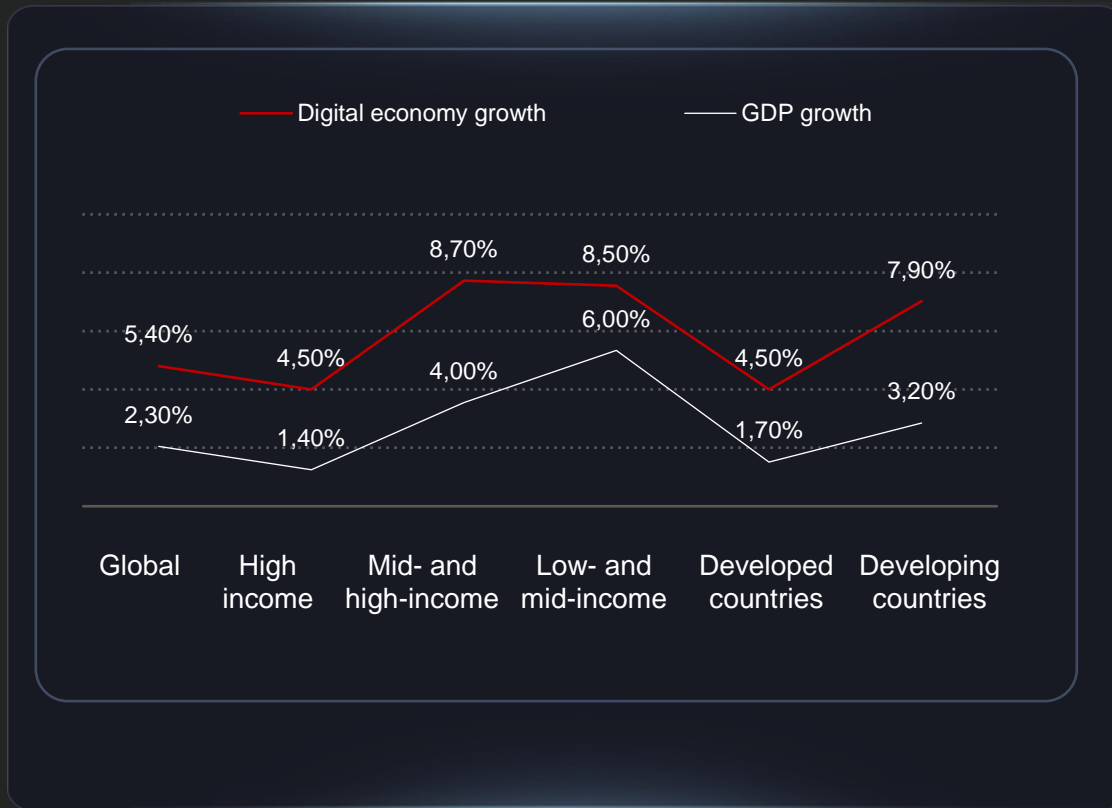
Yanzhong
Deputy General Manager of Huawei Tunisia



Digitalization: A Global Development Strategy

Digital economy growing **faster** than GDP

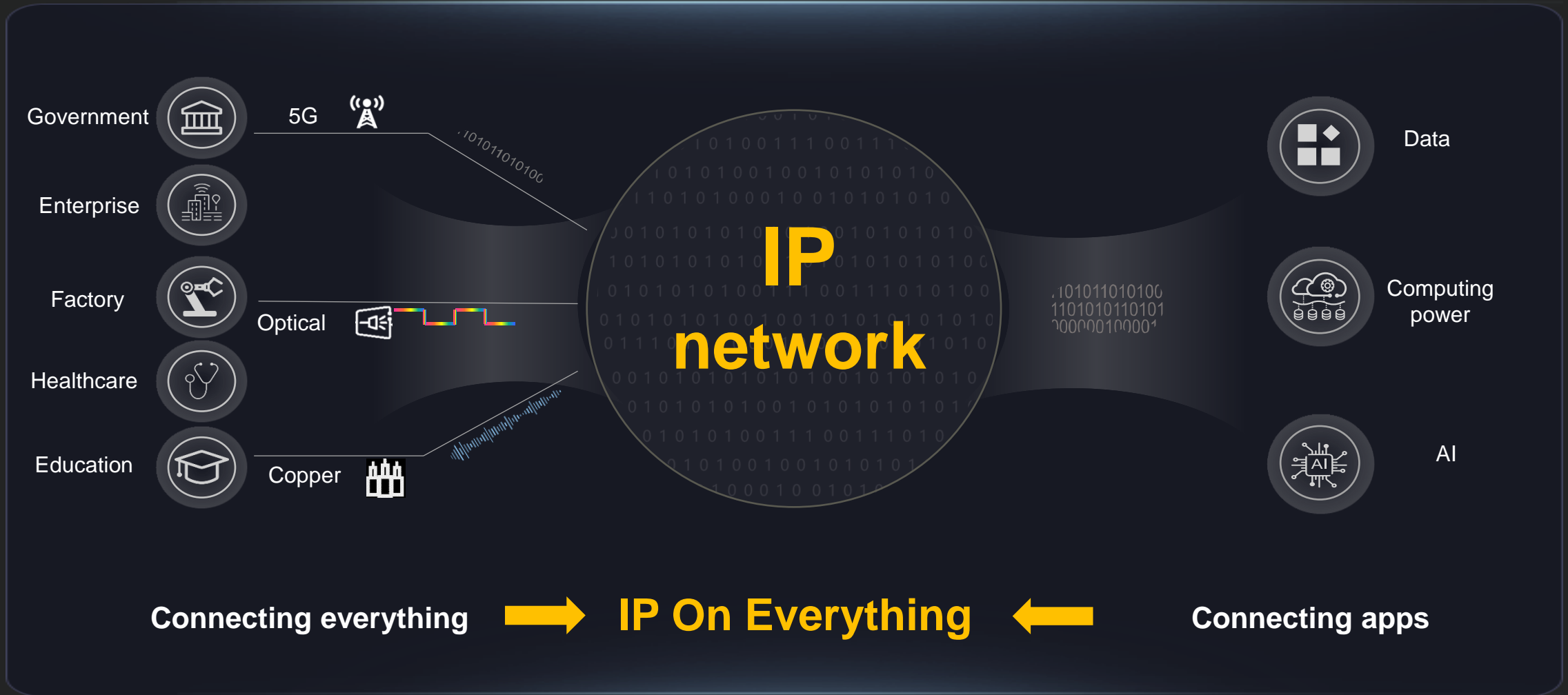
Digitalization strategies released by **100+** countries



A grid of six circular icons representing digitalization strategies from different countries. Each icon is accompanied by its respective strategy name.

- EU's Recovery Plan (European Union flag)
- America's Advanced Manufacturing Strategy (USA flag)
- China's 14th Five-Year Plan (China flag)
- Digital South Africa (South Africa flag)
- Strategic plan of ICT Department (Kenya flag)
- Morocco Digital 2025 (Morocco flag)

IP Networks: Foundation for Digitalization



Requirements for IP Networks in the Digital Era



Massive IoT

- Driven by 5G/IoT/cloud services, the number of IoT devices (including consumer and B2B devices) is expected to reach **41.2 billion** by 2030.
- Support for massive IoT is a basic capability.



Multi-cloud connection

- More than **93%** of enterprises will adopt **multi-cloud** by 2024.
- Cloud agility, flexibility, and auto scaling bring challenges to the real-time performance, flexibility, and mobility of networks.



Guaranteed experience

- Emerging apps such as industrial control and telemedicine require **us-level** E2E jitter.
- Deterministic service quality is essential.

Africa Need IPv6 & Enhanced

Technology-oriented
IPv6 increases address space

Business-oriented
IPv6 Enhanced improves experience

IPv4 address
exhaustion

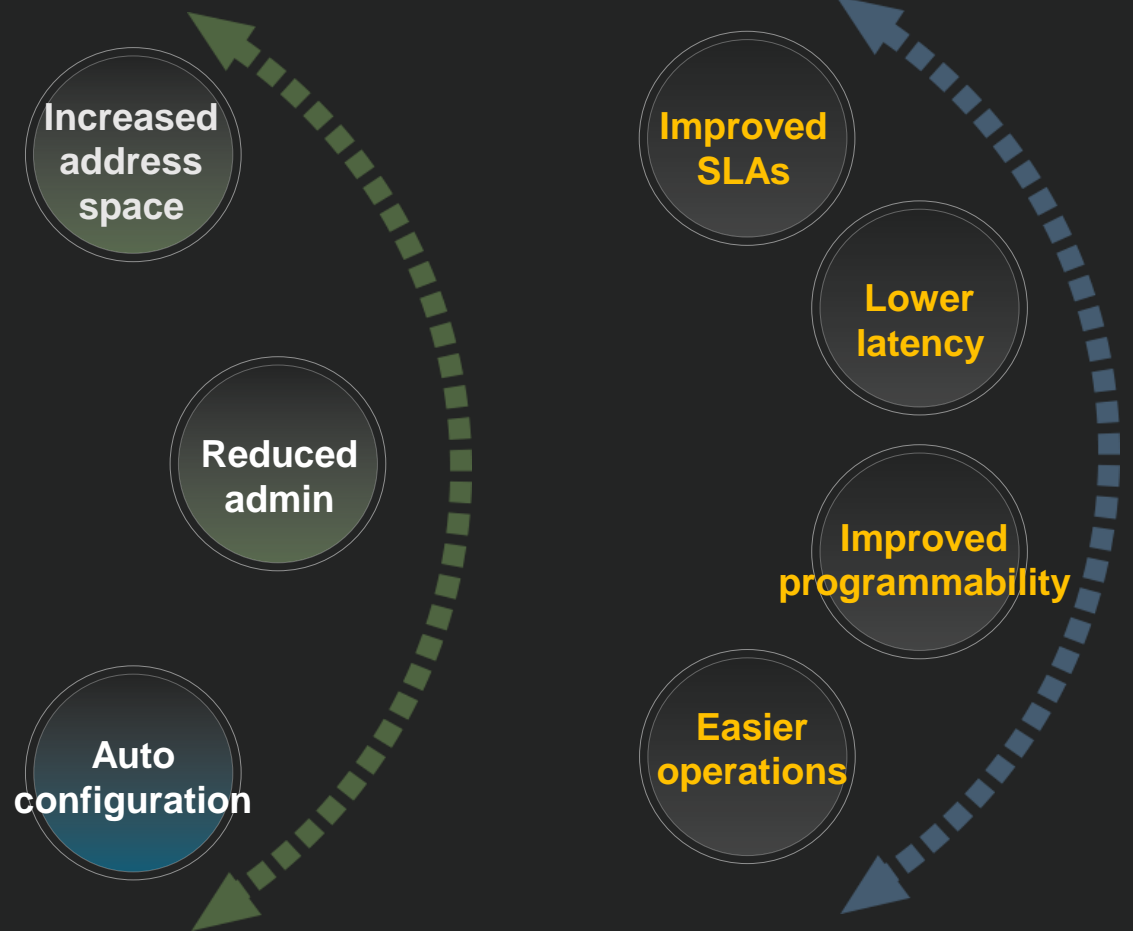
Since
21 Apr 2017

IoT
Connections

~1.2B in
2025
~10% CAGR

MBB Users

~634M in 2025
~4% CAGR



IPv6 Enhanced Boosting Africa'S Digital Transformation

Digital Equality



FF01::1101

Every individual & enterprise owns
an IP address,
Creating more opportunities

Digital Transformation



High-reliable and low-latency
IPv6 network,
improving productivity

Technological Innovation



Meets massive IP address demand of AI,
IoT and cloud,
Unleashing computing power

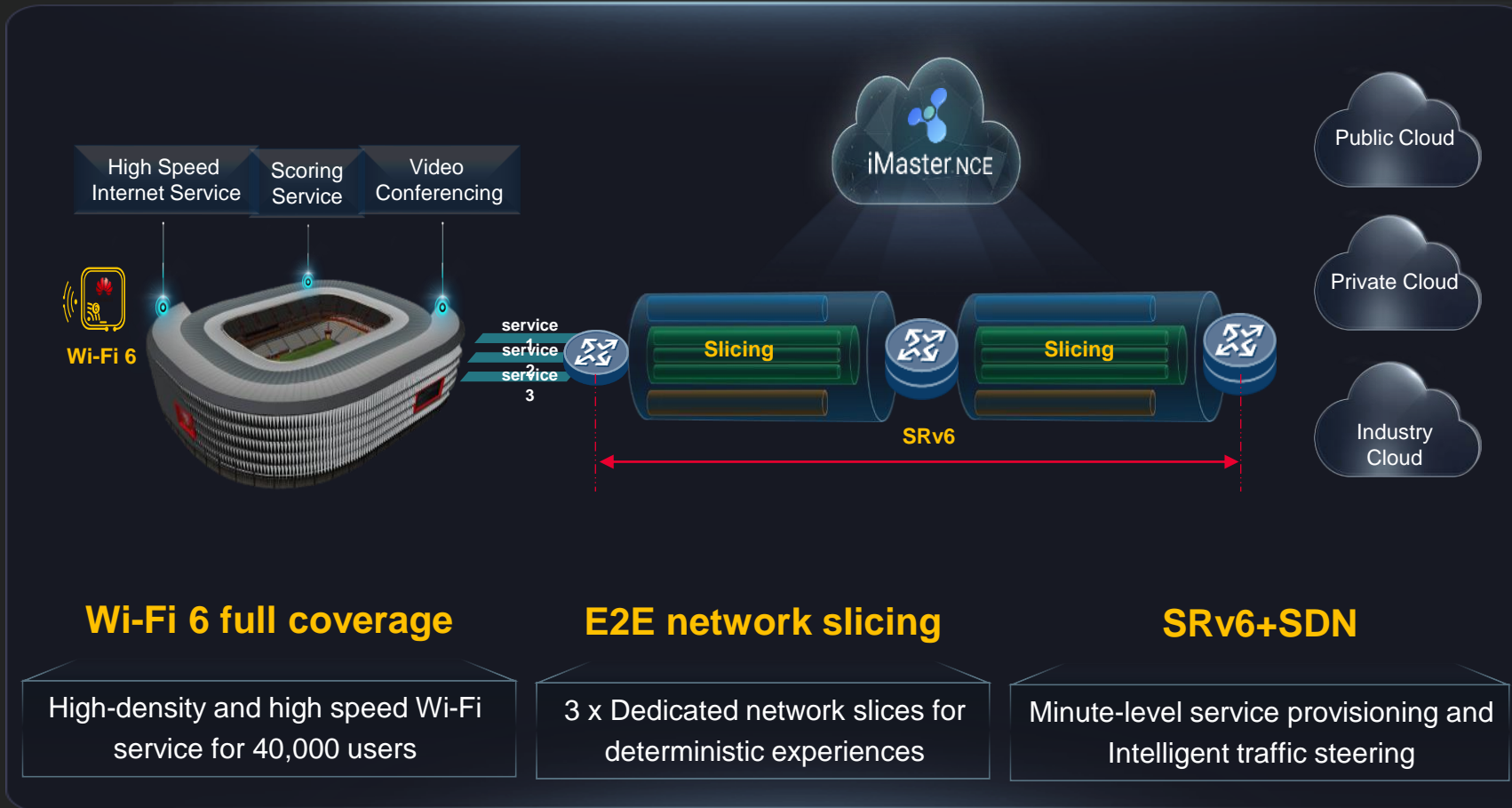
Economic Growth



Boost new services development
Open up new growth space

IPv6 Enhanced @ Carriers, Building High-Quality IP Network to ensure the best experience at the Oran Games

The 19th Mediterranean Games in Algeria Oran



80M → 190M

Wi-Fi services Speed

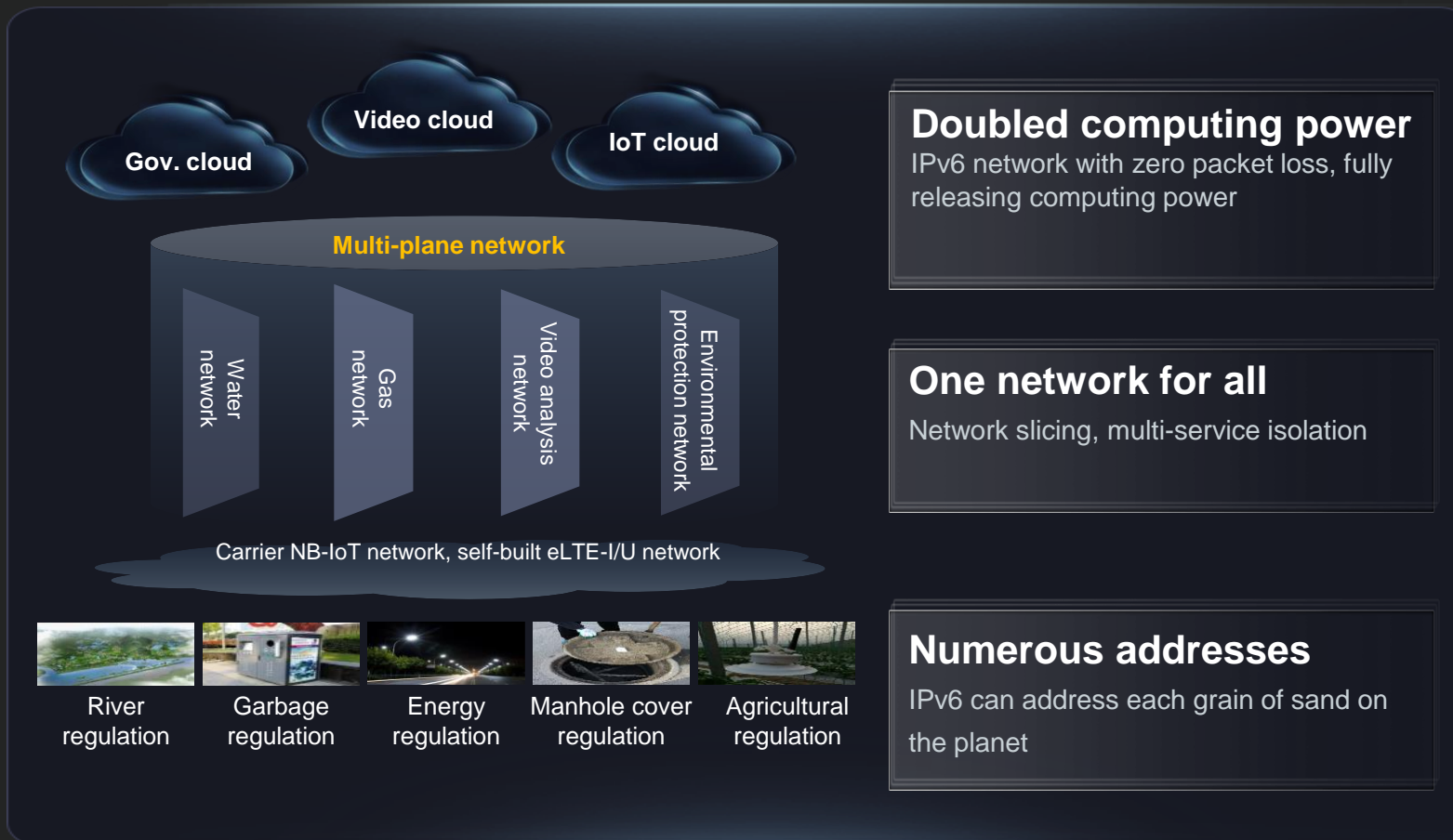
N → 1 Network

deterministic experiences

Algeria, North Africa

IPv6 Enhanced @ **Public Services**, Building a Fully Connected City IoT

New public services drive the construction of "one city network"



83%

Online public service handling rate

41% ↑

Official doc handling efficiency

Guangdong, China

IPv6 Enhanced Has Reached a Consensus in the Industry

IPv6 Enhanced Global Deployment

Europe

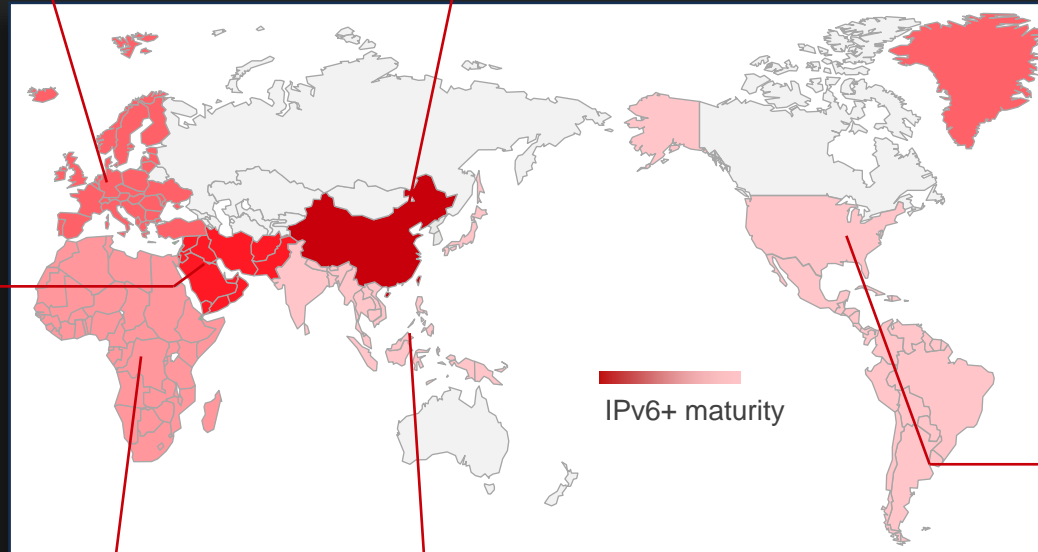
- Netherlands KPN
- Switzerland Swisscom
- Spain OSP
- Luxembourg POST
- Ukraine Vodafone
- France Iliad

Middle East

- Zain, Saudi Arabia
- Kuwait Zain
- Bahrain Bnet
- STC , Saudi Arabia
- Vodafone Oman
- ...

Africa

- Uganda MTN
- Rwanda
- Algeria Telecom
- South Africa MTN
- ...



China

- China Telecom
- China Unicom
- China Mobile
- Agricultural Bank of China
- Bank of China
- China Construction Bank
- China Southern Power Grid
- ...

America

- LinkedIn, USA
- Bell, Canada
- Vivo, Brazil
- AM in Central America

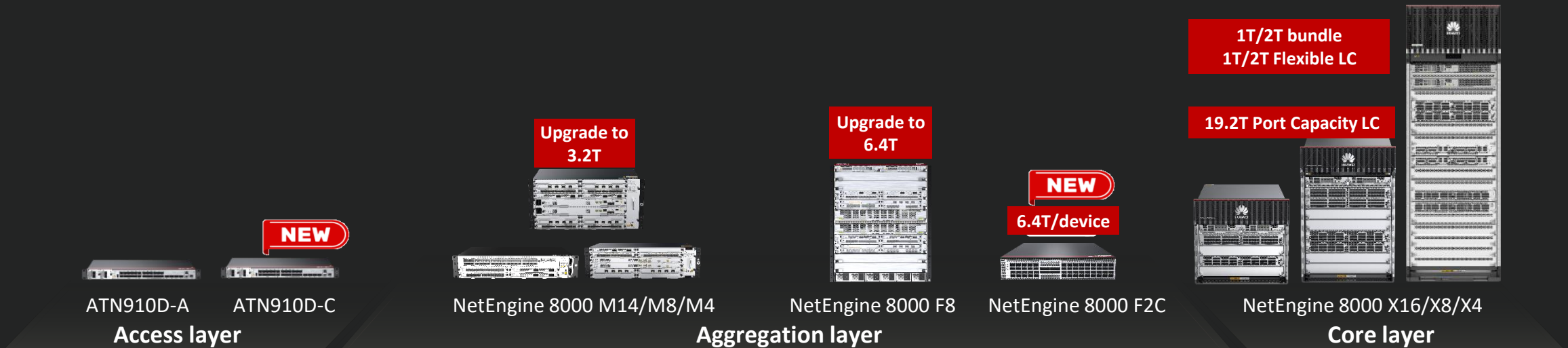
Asia Pacific

- Japan Softbank
- Japan Line
- Indonesia Indosat
- Indonesia XL
- Sri Lanka Dialog

- Commercial use
- Innovation/Target network

Huawei Provide E2E IPv6 Enhanced Solutions and Products

Full series, Full functions, Stable operation, Stable supply



5.5G-oriented CSG
800G@1U, 100GE to ring

Industry's most compact edge CO router
Industry-unique 300 mm deep universal-service router

Industry's highest-density metro aggregation router
F8 model: 40% less power consumption, 1.5x port density

Industry's largest-capacity backbone router
19.2T/slot, 800GE ready

Full Series Convergence Capabilities

5-in-1: SR + BNG + CGN + IPsec + SA

E2E IPv6 Enhanced

SRv6/IFIT/Slicing ready in full series

E2E 400GE

Available in both box and chassis models

Thank you.

把数字世界带入每个人、每个家庭、
每个组织，构建万物互联的智能世界。

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

**Copyright©2022 Huawei Technologies Co., Ltd.
All Rights Reserved.**

The information in this document may contain predictive statements including, without limitation, statements regarding the future financial and operating results, future product portfolio, new technology, etc. There are a number of factors that could cause actual results and developments to differ materially from those expressed or implied in the predictive statements. Therefore, such information is provided for reference purpose only and constitutes neither an offer nor an acceptance. Huawei may change the information at any time without notice.

