



### Huawei: Leading provider of ICT infrastructure and smart devices



#### **Vision & mission**

Bring digital to every person, home and organization for a fully connected, intelligent world 170+
countries and regions

207,000

employees

55.4%

of employees work in R&D

No. 4

in global R&D investment

120,000+

active patents held globally

(\*Huawei has one of the world's largest patent portfolios.)



## Promoting standards and ecosystems in ICT infrastructure, smart devices, IAS, and other hardware and software domains



#### **Technological contributions**

 Summitted 68,000+ standards contributions in connectivity, computing, smart devices, IAS, and other business domains

#### **Industry collaboration**

- Collaboration with about 800 industry organizations
- Promoted deeper partnerships and mutual recognition of standards between industry organizations

#### Value creation

- Built industry collaboration platforms to create industry-wide synergy
- Cultivated talent for digital transformation and created social value

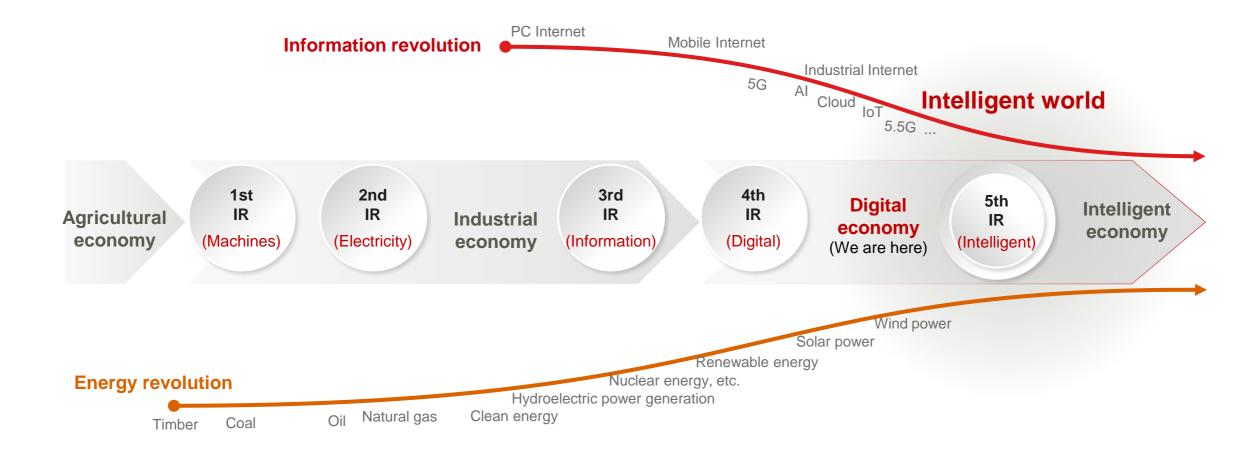


## How Huawei think about the industry trends

--Digitalization, intelligent, and green



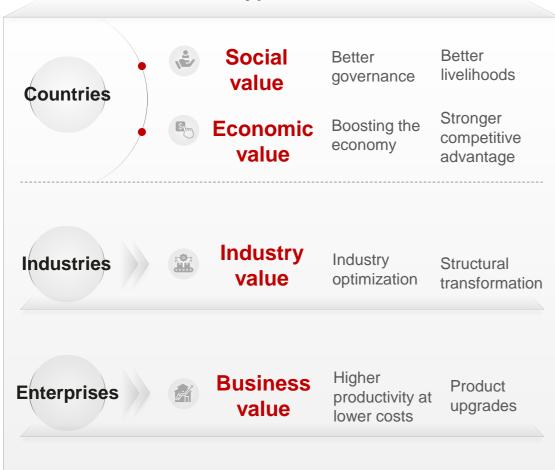
# Digital and intelligent transformation, and decarbonization are the pathways to the intelligent world



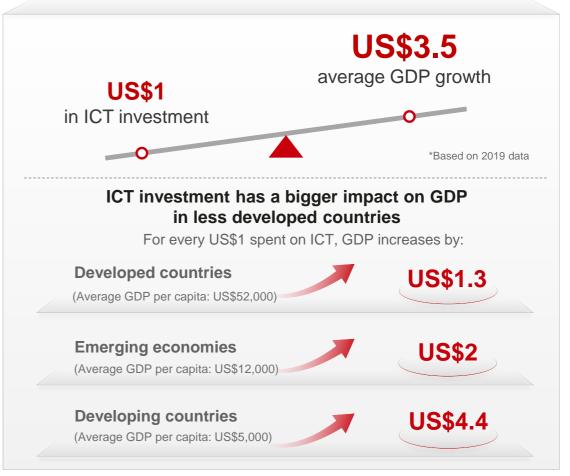


## Digitalization creates four types of value to boost national GDP

#### Four types of value



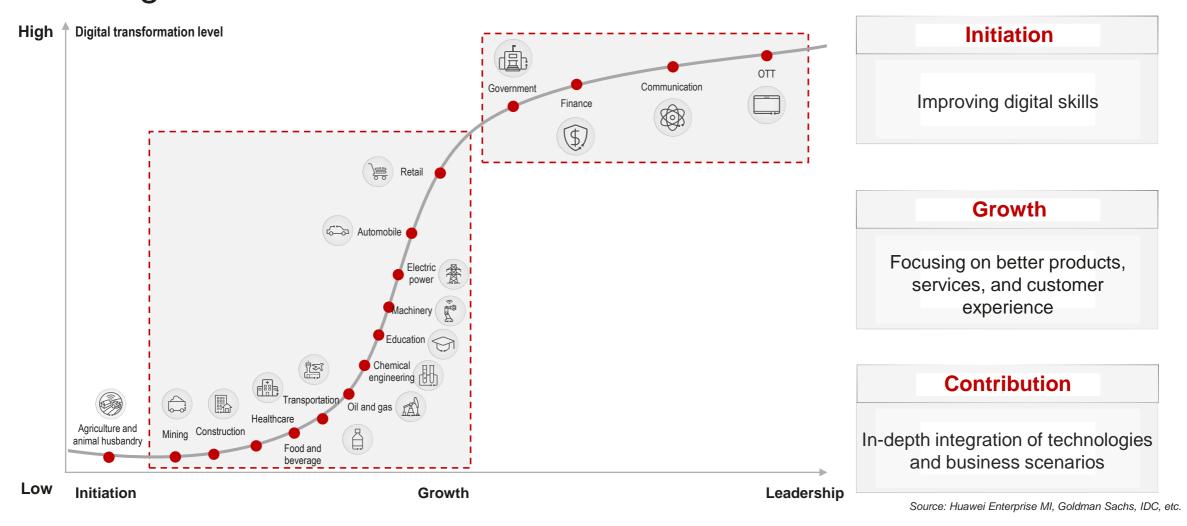
#### More ICT investment, faster GDP growth



Source: Roland Berger

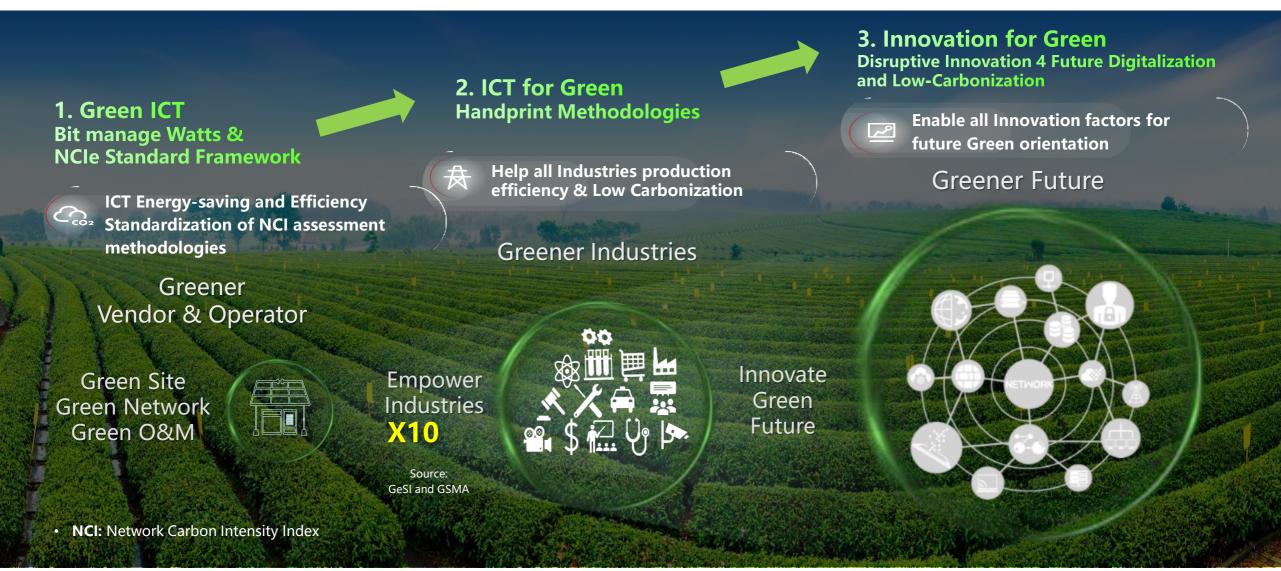


## Industries at different stages of digital transformation face different challenges





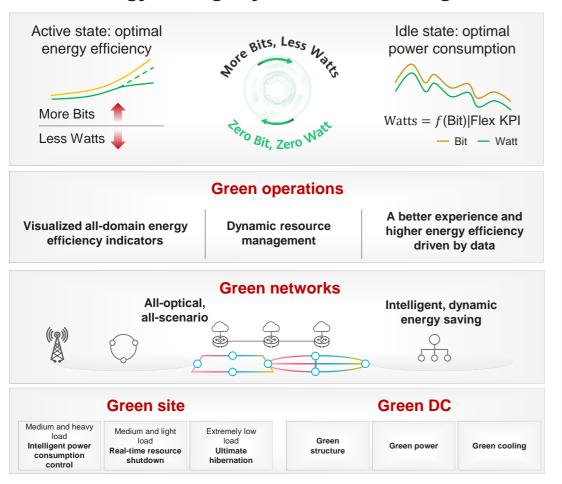
## Digital technology empowers green development and decarbonization





## Intelligent energy savings across the network: More Bits, Less Watts + Zero Bit, Zero Watt

#### **Energy saving: Systematic** → **Intelligent**

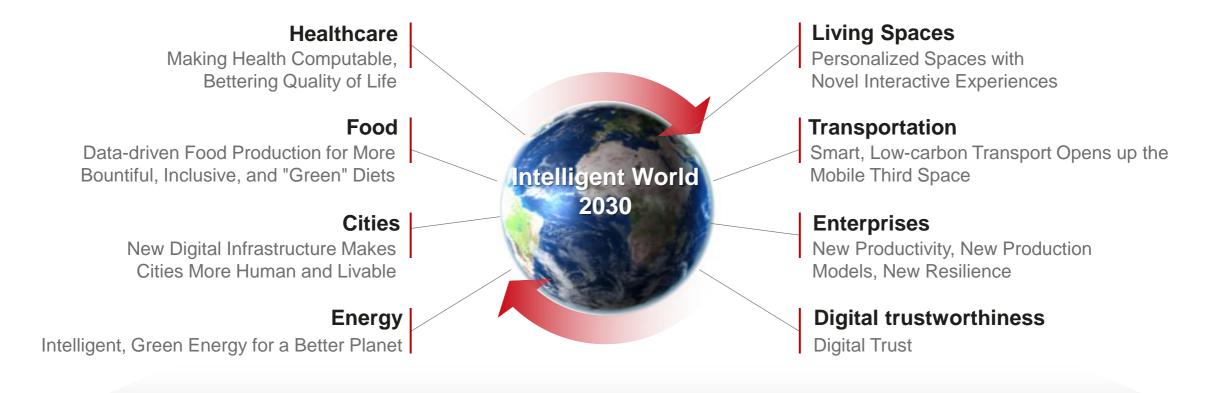


#### Helping carriers achieve green development





## Eight outlooks for the Intelligent World 2030



# of connections worldwide

200 bn

General-purpose computing power (FP32)

3.3Z FLOPS, 10x **1** 

Al computing power (FP16)

105 ZFLOPS, 500x 1

Cloud services as % of total enterprise application expenditure

87%

Share of renewable energy in global electricity generation

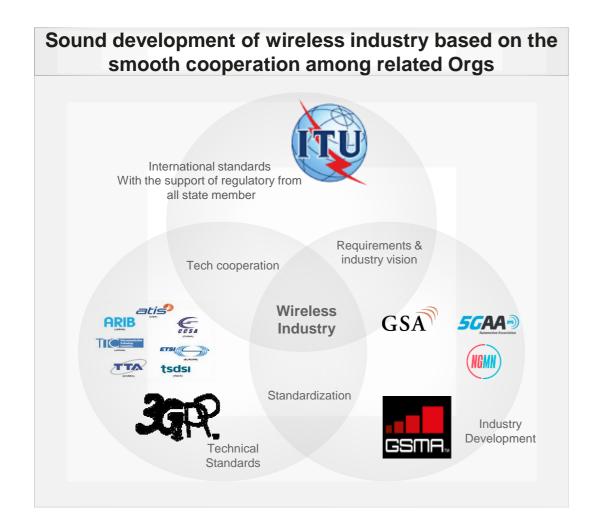
50%

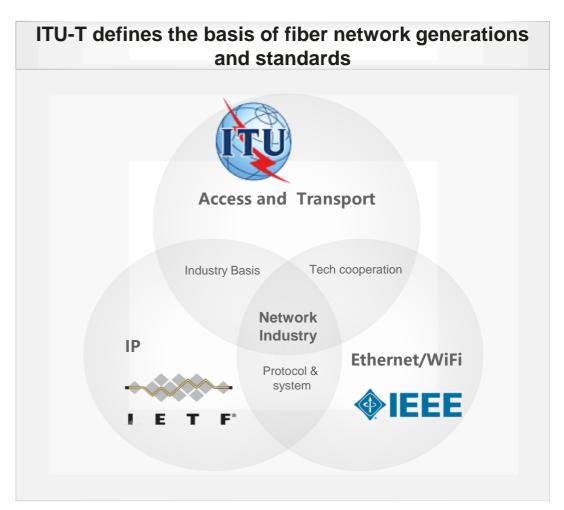


## How will Huawei contribute



## Standardization and technological Cooperation among organizations

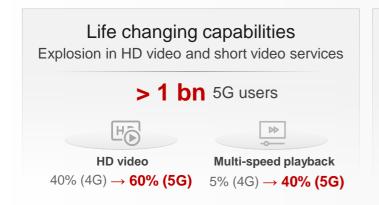




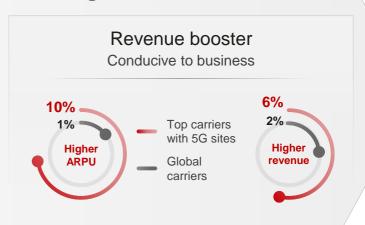


### 5G fast lane: Emergence of a B5G business consensus

#### 5G has improved by leaps and bounds, and has spurred revenue growth for carriers



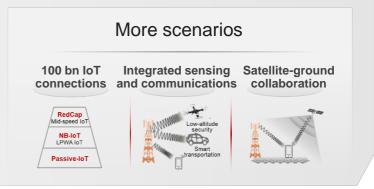




#### B5G has progressed in three key areas and is maturing



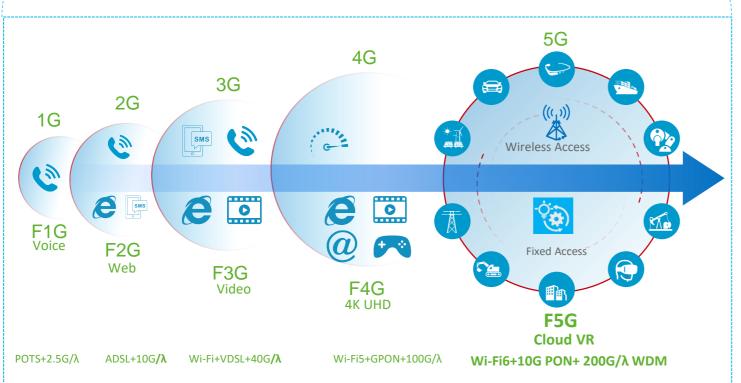






## Fixed Network evolves to F5G Advanced to enable 10G Everywhere







Fixed network evolved from F1G till F5G in past decades, now F5G is in deploying

F5G-Advanced is expected deploying from 2025



## ITU/ISO/IEC, creating new value together



























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Finance

Manufacturing

Oil and gas

power

Mining

Rail

Airport

Highway

Port E

Education F

Healthcare

Real estate

#### Weaving technologies into industry scenarios



### **Green Digital Action** at COP28











## Removing barriers and enable digital transition















#### For example:



#### **Bridging Standards and Industry in AI:**

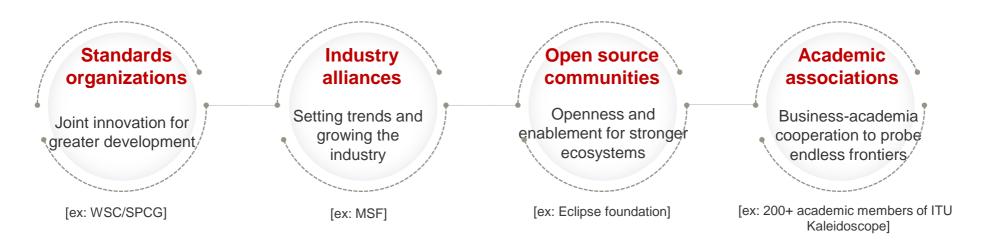
A Roundtable on the future of AI standardization and Industry Development at the AI for Good Global Summit 2024



### Working together to create a thriving industry



#### Working together to create harmonious and healthy global industry ecosystems





## ITU-T and Industry engagement



## Maintaining and scaling industry and private sector engagement

**ITU-T-Private Partnerships (ITU-T-PPs):** Develop more robust ITU-private partnerships. This could involve joint task forces focused on specific technology areas, where private sector entities can contribute their expertise and resources for a focused area.

**Flexible Participation Models:** Introduce more flexible participation models for private sector entities. Allowing companies to engage in specific areas of interest that can feed into ITU-T's work [ex: CxO meetings].

**Enhanced Communication and Marketing:** Improve communication strategies to highlight the benefits of participating in ITU-T's standardization activities to the private sector. Showcase success stories of private sector contributions leading to globally adopted standards. [ex: Al for Good]



**Exponential Rapid advancement** of technological development

More agile Standardization Processes: More agile standardization methodologies that allow for faster development and review (not only approval TAP/AAP) of standards. This could include modular standards development, where parts of a standard can be developed and approved independently.

**Early Engagement with Innovators:** Proactively engage with industry, and research institutions to identify emerging technologies early. This engagement can include creating industry sandboxes or partnerships that feed directly into the standardization process.



## 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.

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