Accelerating Intelligence with AI-Ready Infrastructure

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HUAWEI

Paving the way for all intelligence

All IP

Bringing connectivity everywhere

Widespread Internet adoption

All Cloud

Accelerating digital transformation

Large-scale cloud adoption by enterprises

All Intelligence

Enabling intelligent transformation of industries

AI deeply integrated into industries

AI is driving explosive growth of computing power, data, and networks

Transmission

Global connections	Mobile traffic	Penetration of gigabit or faster home broadband
200 bn	DOU 600G, 40x	60%, 50x

Computing

Total general computing power (FP32)	AI computing power (FP16)
3.3 ZFLOPS, 10x	864 ZFLOPS, 4,000x

Storage

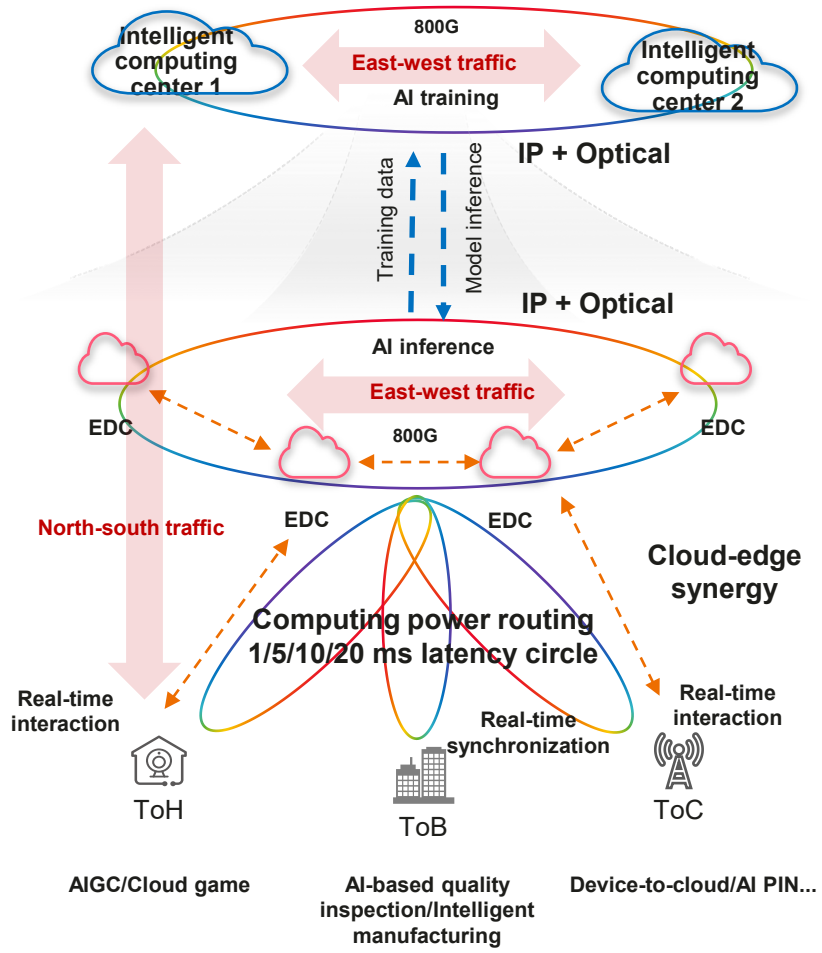
Data generated and stored

1 YB, 23x

Sources: Intelligent World 2030 series
2020 vs. 2030

Build computing, networking, and storage infrastructure to support the transition of service + AI to AI-native services

Target architecture of intelligent computing infrastructure



Computing power: open and innovative basic AI software and hardware platform

- Application enablement — Smooth application migration
- AI framework — Cloud + service
- Hardware enablement — Heterogeneous computing
- **Cloud-network synergy** — Unified planning

Storage capacity: creating ultimate experience and reliable data foundation

- Ultimate reliability — Zero service interruptions
- Ultimate performance — Zero congestion during peak hours
- Ever-new device — Zero data migration
- **Storage-computing synergy** — Enhancing computing with storage

Transport capacity: upgrading experience-centric premium networks

- Ubiquitous ultra-broadband — 10GE access
- Deterministic bearing — 1/5/20 ms deterministic latency
- Intelligent scheduling — Enabling new services
- **Network-storage synergy** — Application-aware networks

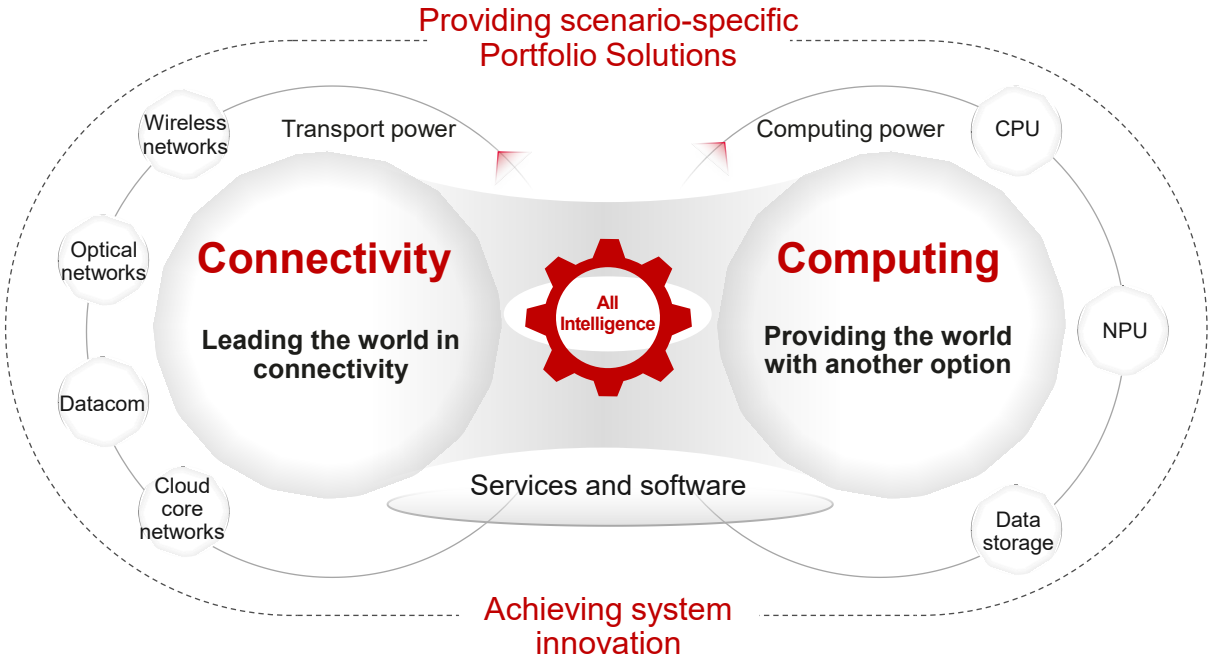
Huawei continuously innovates in cutting-edge ICT infrastructure driving the acceleration of intelligence

Telecom | Government | Education | Healthcare | Finance | Electric power | Oil & gas | Mining | Transportation | Manufacturing | Internet | ...

Amplifying industrial digitalization and intelligence

Connectivity

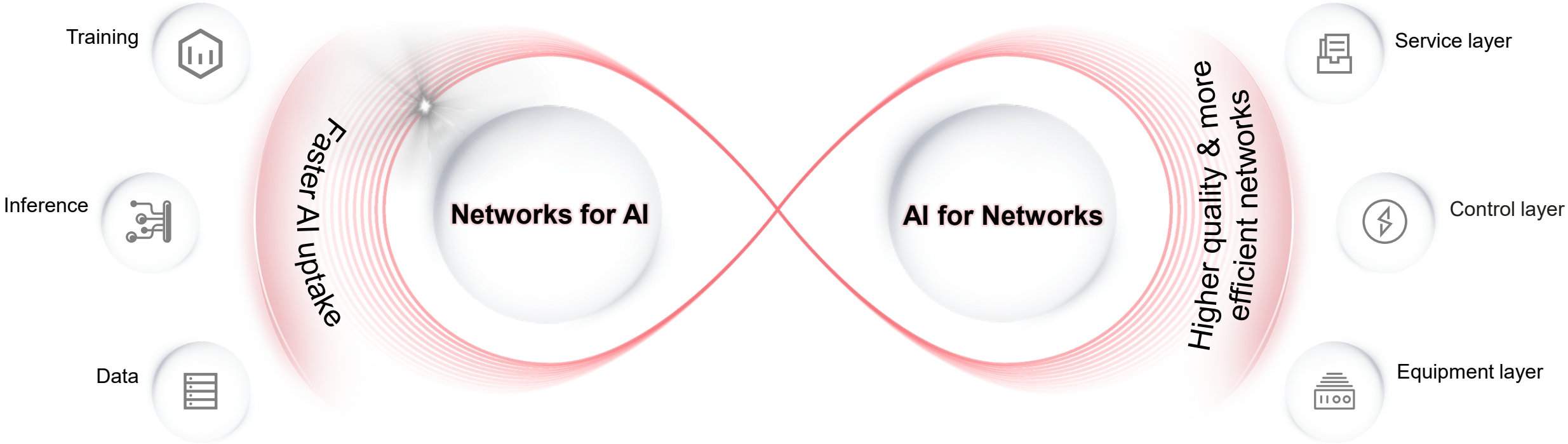
- Networks for AI, AI for Networks
- Unlocking the potential of mobile AI with 5.5G, and enabling ubiquitous 10~50 Gbps connectivity with F5.5G and Net5.5G
- Building premium computing networks for the age of AI



Computing

- Building a solid computing backbone
- Constantly contributing to openEuler
- Building future-proof storage power to unleash the value of data

Fixed Network: AI-powered networks, unleashes digital productivity



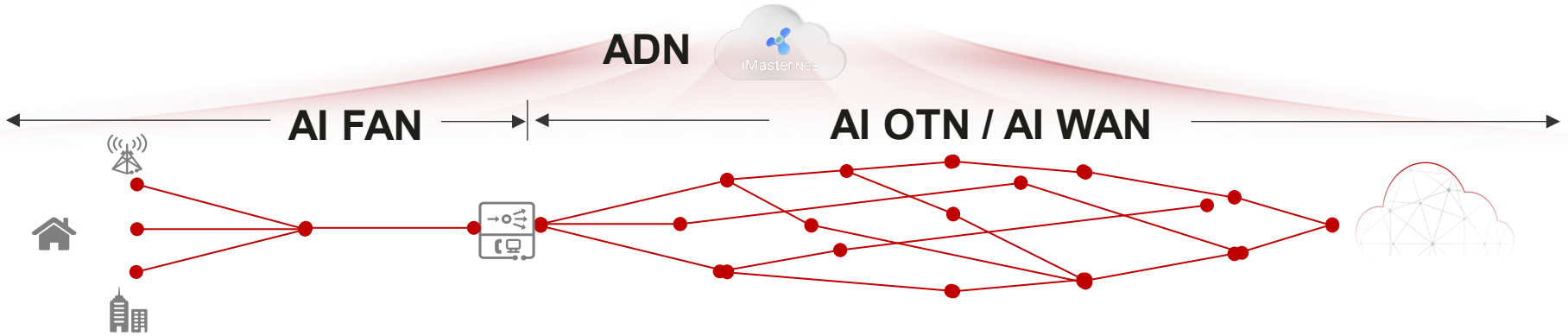
Fully Upgrade 4 Key Solutions

- **High-quality 10 Gbps Campus Network**
- **AI-enabled SASE**
- **Intelligent Converged Enterprise WAN**
- **Ultra-Efficient DCN + StarryLink optical modules**

Innovating and reshaping UBB with AI to meet customer needs

AI UBB

Built-in computing



AI FAN

Home gateway → Home AI portal

1 Gbps → 10 Gbps

Network devices → Edge compute capabilities

AI OTN

Not service-aware → Service-aware

Fixed spectrum → Flexible spectrum allocation

Optical-electrical scheduling: Independent → Synergistic

AI WAN

Specific service identification → Comprehensive service behavior and feature identification

Latency guarantee → Experience guarantee

Border security protection → Intrinsic security

ADN

Agent

Offsite operations:

Self-optimization and closed-loop mgmt

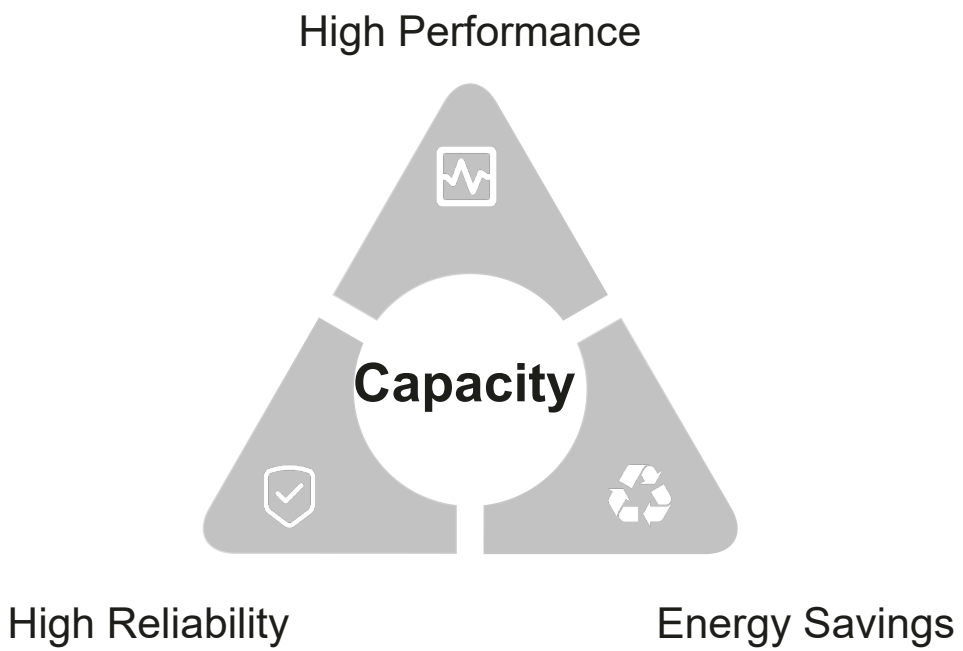
Copilot

Onsite operations:

Precise site visits and self-service options

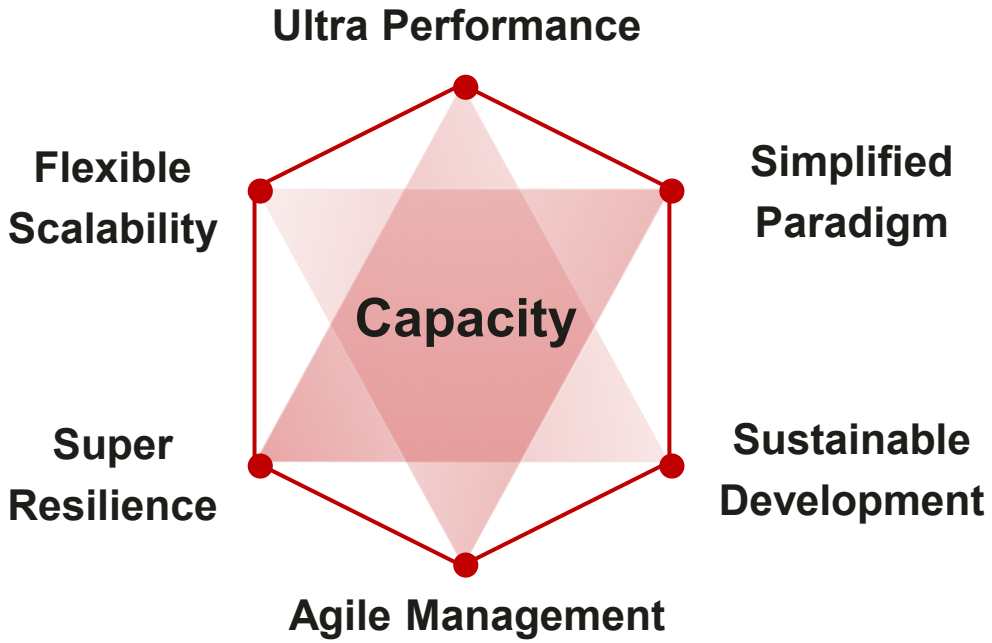
Data Center: Future-proof data storage to fuel the data awakening

Classic Data Storage



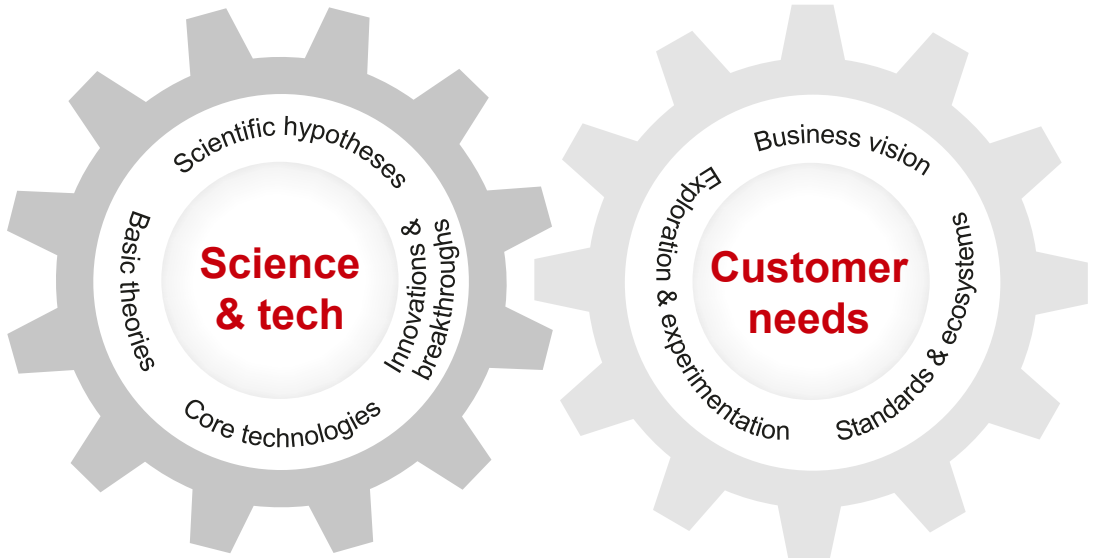
Storage capacity as the core
Including performance, reliability, and green

Future-Proof Data Storage



Modernizing data storage to thrive
in the digital and intelligent era

The two drivers of innovation: Science & tech and customer needs



Visions & hypotheses

Basic research → **Applied research** → **Technology development** → **Product development**

Academic & research cooperation

Ecosystem partner cooperation

Theoretical breakthroughs

Technological inventions

Technological innovation

Systems engineering

Global technology planning

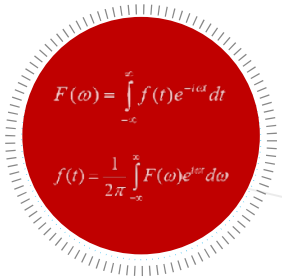
Talent cultivation

Value creation

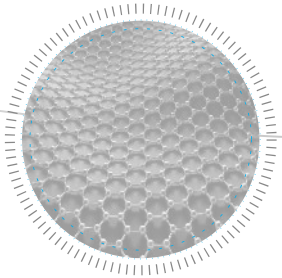
Heavy R&D investment drives innovation and future development

Behind our leading products:

Solid basic research and technological innovation

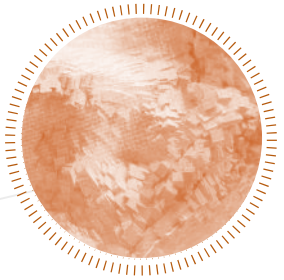


Mathematics & algorithms



Chemistry & materials science

Physics & engineering technology



Standards & patents

20%+ of revenue reinvested into R&D for past 4 years

86 foundational tech labs

113,000 R&D employees (**54%** of workforce)

180+ joint labs and innovation labs

Driving ongoing tech innovation through extensive technical cooperation with universities and research institutes

300+
Universities /Research institutes

2,000+
Cooperation projects per year

20,000+
Scientific researchers worldwide

Models for innovation cooperation

Joint/ Innovation labs

- Joint research to make breakthroughs in basic research
- Major inventions to drive the industry forward

Technical cooperation

- Identifying industry challenges
- Resolving challenges with scholars

...

Research sponsorship

- Supporting quick exploration into innovative ideas at colleges and universities

Challenges & Spark awards

- Technical challenges from different campaigns, teams, and product lines of Huawei. Anyone can contribute and high-value contributions will be rewarded.

In Switzerland for Switzerland: Supporting in Switzerland's advanced infrastructure development




Telecommunication Infrastructure

5G-Advanced

50GPON

Best **Mobile** Network

Best **Fixed** Network

Enterprise Digital Infrastructure

10GE Campus Network

All Flash Storage

High-Quality Wi-Fi 7 Campus Benchmark

Reliable and Safety **High-end Storage**

Green Energy Infrastructure

Whole home Power backup solution

Environment-friendly+

Best Renewable Energy “Producer”

Smart Transportation Infrastructure

Cloud-based Transformation

FRMCS

Public: Huawei Cloud & OTC

Private: Huawei Cloud Stack

Edge: Cloud Pond

Key partner & contributor to Switzerland’s
Digitalization, Intelligence, Decarbonization development over the past 17 years

Thank you.

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