

# Building Talent Ecosystem and Improving Digital Skills of TVET

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# 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

**195,000**

employees

**170+**

countries and regions

**No. 44**

on Fortune Global 500

**No. 2**

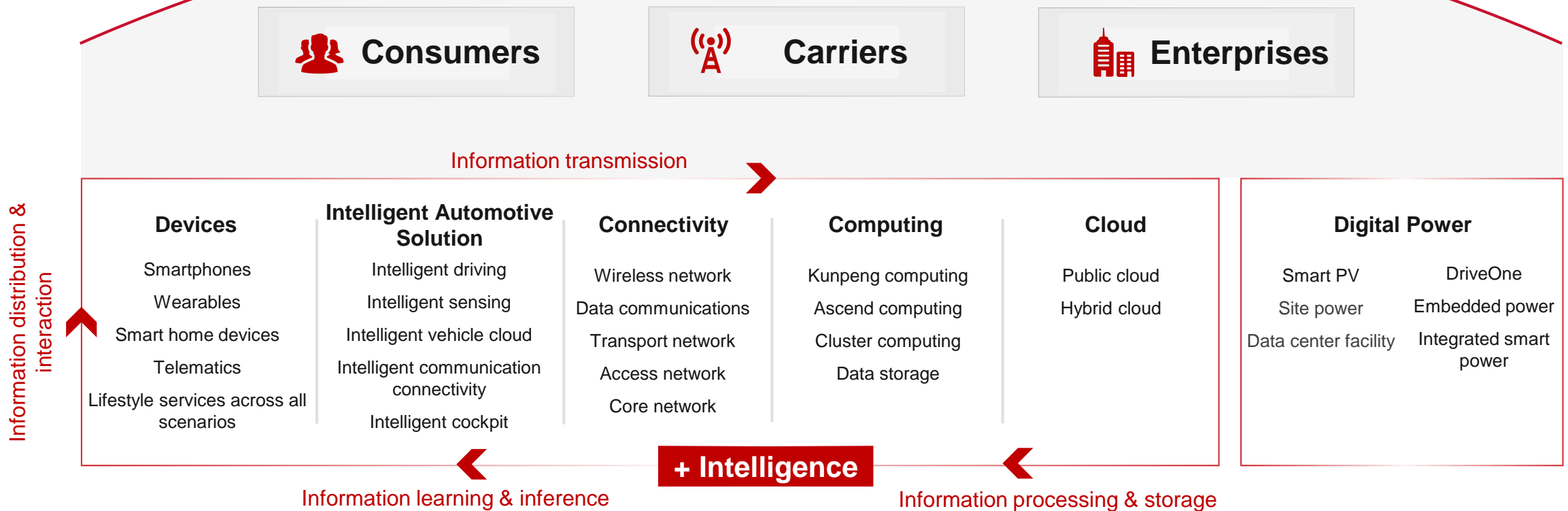
in R&D investment

**54.8%**

of employees are in R&D

# Focusing on ICT to provide products, solutions, and services to three customer groups

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



# ICT talent supply and demand gap

Continuous technological innovation

Rapid industrial development

Profound digital transformation



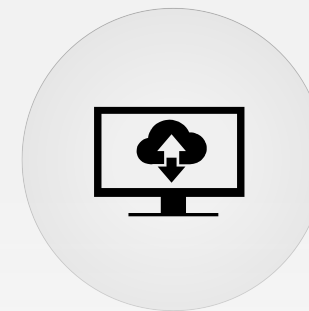
**Match  
digital  
transformation  
strategies worldwide**



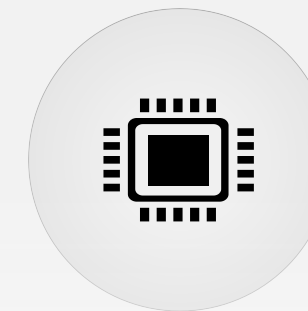
**Support  
ICT talent  
development**



**Focus on  
university-enterprise  
collaboration**



**Prosper  
industry ecosystem**



**Bridge  
the ICT talent gap**

Forecast by the World Bank in 2017: There will be a global ICT talent of 10 million in the next 10 years.

# Become a black land for talent development, Improve digital skills of TVET

## Education talent ecosystem

University-Enterprise Collaboration  
Fair quality education

- 🍎 Huawei ICT Academy: 1900+
- 🍎 ICT Academy teachers: 7000+
- 🍎 Students trained per year: 150,000+
- 🍎 6<sup>th</sup> Huawei ICT Competition: 2000+ universities / colleges in 85 countries/regions

## Industry talent ecosystem

Cultivate Digital Talent  
Promote digital transformation

- 🍎 Customers trainees per year: 45,000+
- 🍎 National digital talent development
- 🍎 Enterprise digital transformation talent development

## Public talent ecosystem

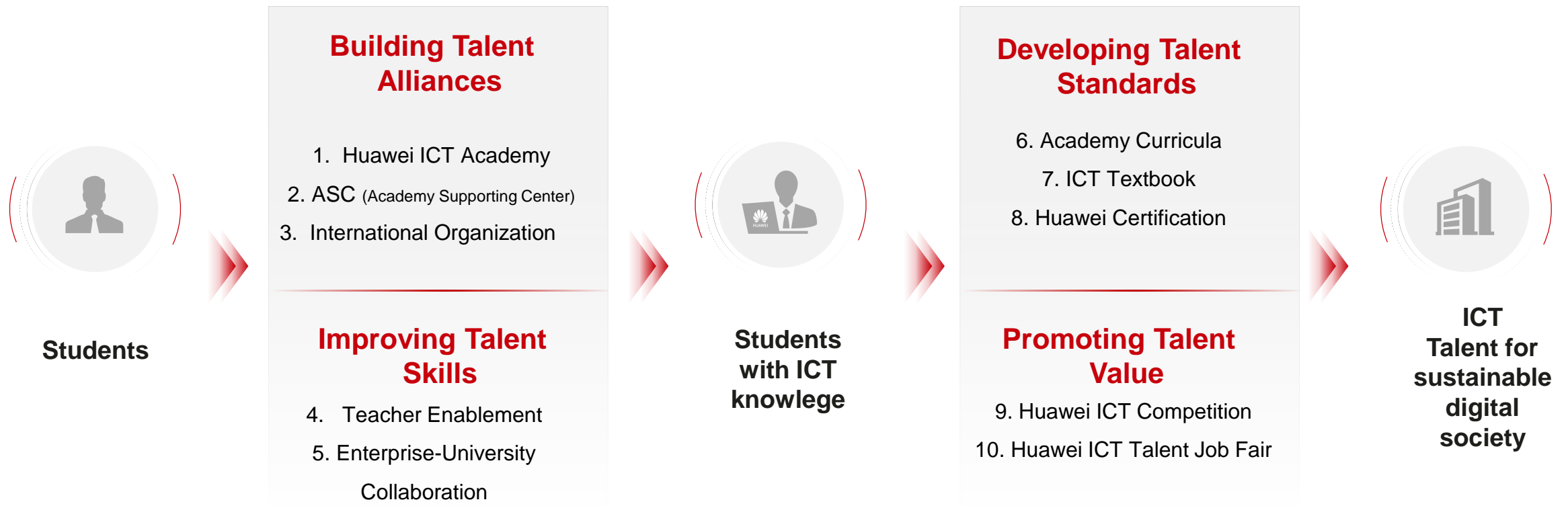
Popularize Digital Skills  
Ensure sustainable competitiveness

- 🍎 Huawei Authorized Learning Partners (HALPs): 120+
- 🍎 HALP trainees per year: 85,000+
- 🍎 Global Huawei Certified ICT Experts (HCIEs): 17,000+

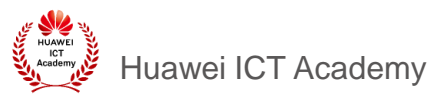
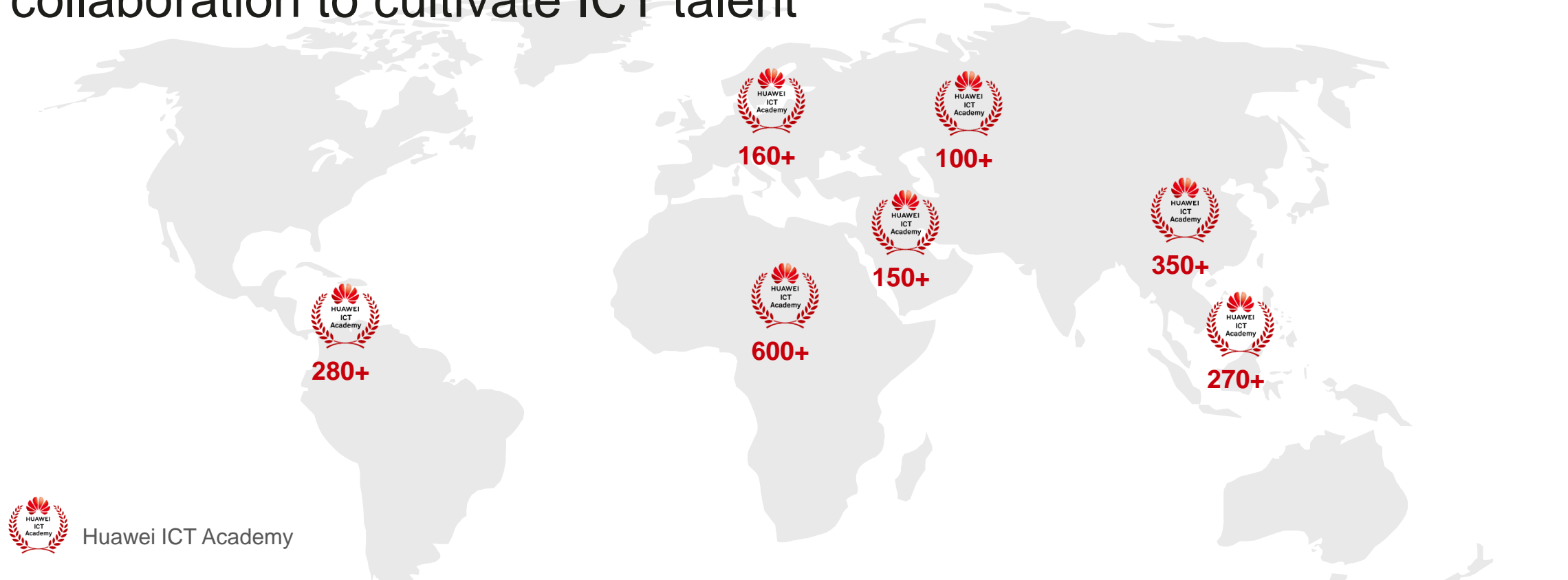
Content: (Huawei certification/700+ courses/teaching material/labs) + Platform (Huawei Talent) + Activity (Huawei ICT Competition/Job fair)

# Building a healthy talent ecosystem and revitalizing the ICT industry

**TVET:** Integrate industry and education to streamline the supply and demand of ICT talent



# Develop Huawei ICT Academy, promote the university-enterprise collaboration to cultivate ICT talent



2021: **1971** partner universities and colleges, **7000+** teachers and **150,000+** active students  
2026: **7000+** partner universities and colleges, **1.5+ million** students

# Develop Huawei ICT Academy, promote the university-enterprise collaboration to cultivate ICT talent



## Huawei

Course authorization  
Teaching enablement  
Learning resource



## Universities

Education plan  
Experiment conditions  
Certified Instructors

## Huawei ICT Academy

Huawei ICT Academy is a partnership between Huawei and Academies around the world. The project aims to transfer ICTs and product knowledge to university students around the world, encourage students to participate in Huawei's technical certification, and cultivate innovative and application-oriented talent for the society and ICT industry chain.

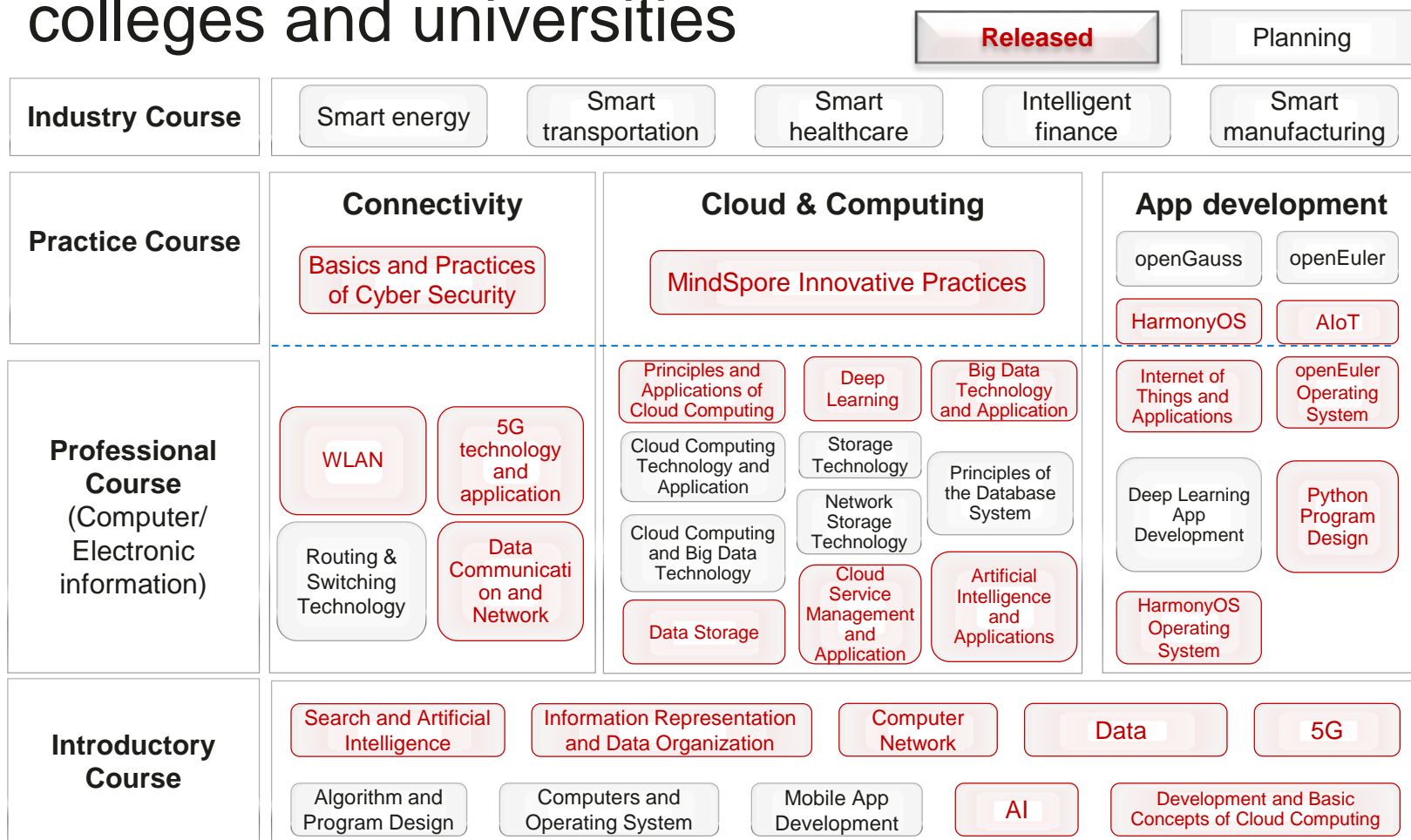


## Students

ICT skills  
Hands-on experience  
Career certification



# Abundant teaching resources, theoretical and practical curriculum for colleges and universities



**University expert + Huawei TVET : 1+X program in China**



Course suite: outlines, MOOCs, teaching slides, e-textbooks, lab manual for teachers, lab manual for students, lab construction guide, and mid-term/end-of-term test questions

# Develop the Academy Support Center (ASC) to ensure the smooth operation of Huawei ICT Academies

ASC (Academy Support Center ) is an organization certified and authorized by Huawei to facilitate the cooperation between Huawei and the local Huawei ICT Academy, and to provide support for teaching and running of the academy.

**Huawei**



**10**

Countries covered by ASC

**Huawei ICT Academies**



**180+**

Huawei ICT Academies supported by ASC

**Students**



**150,000+**

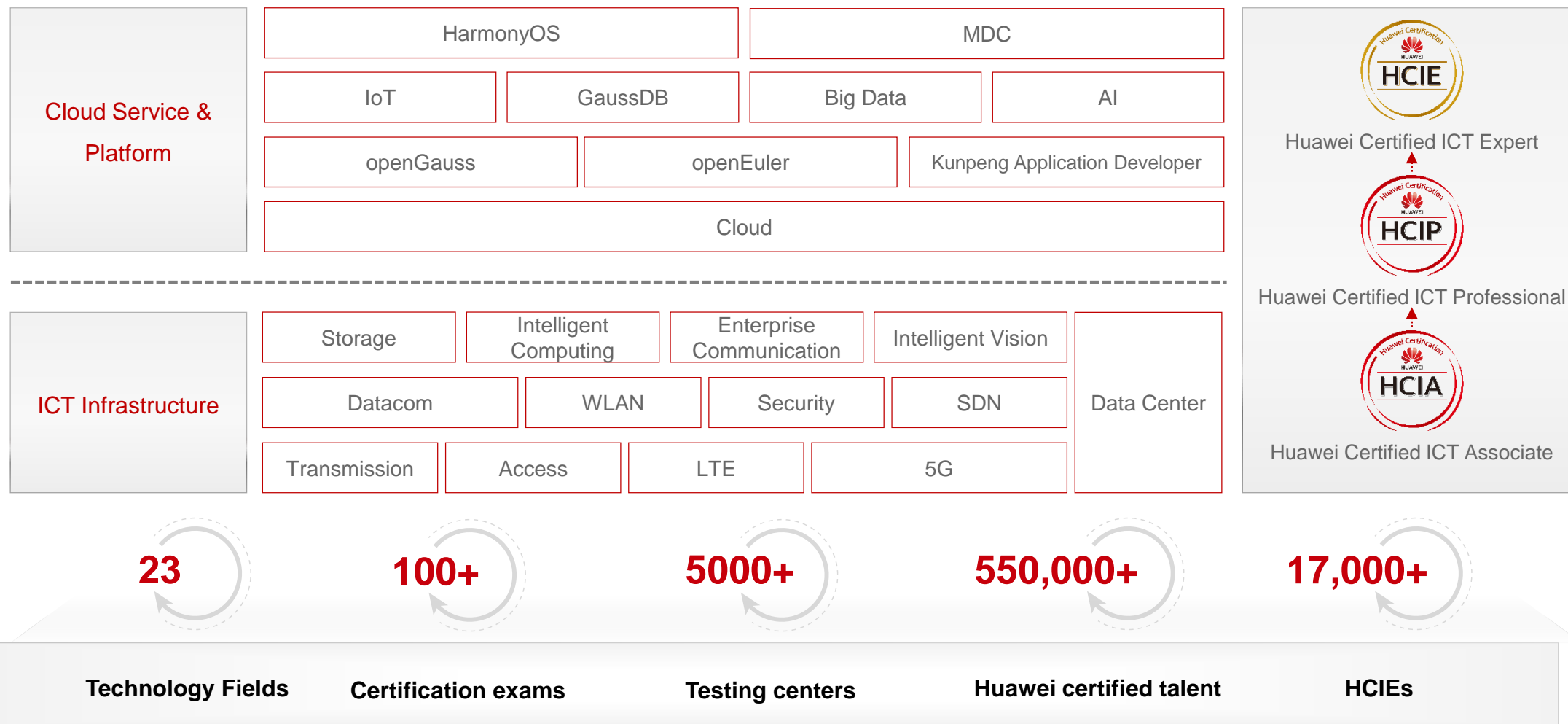
Students active per year

**11**  
**ASC**

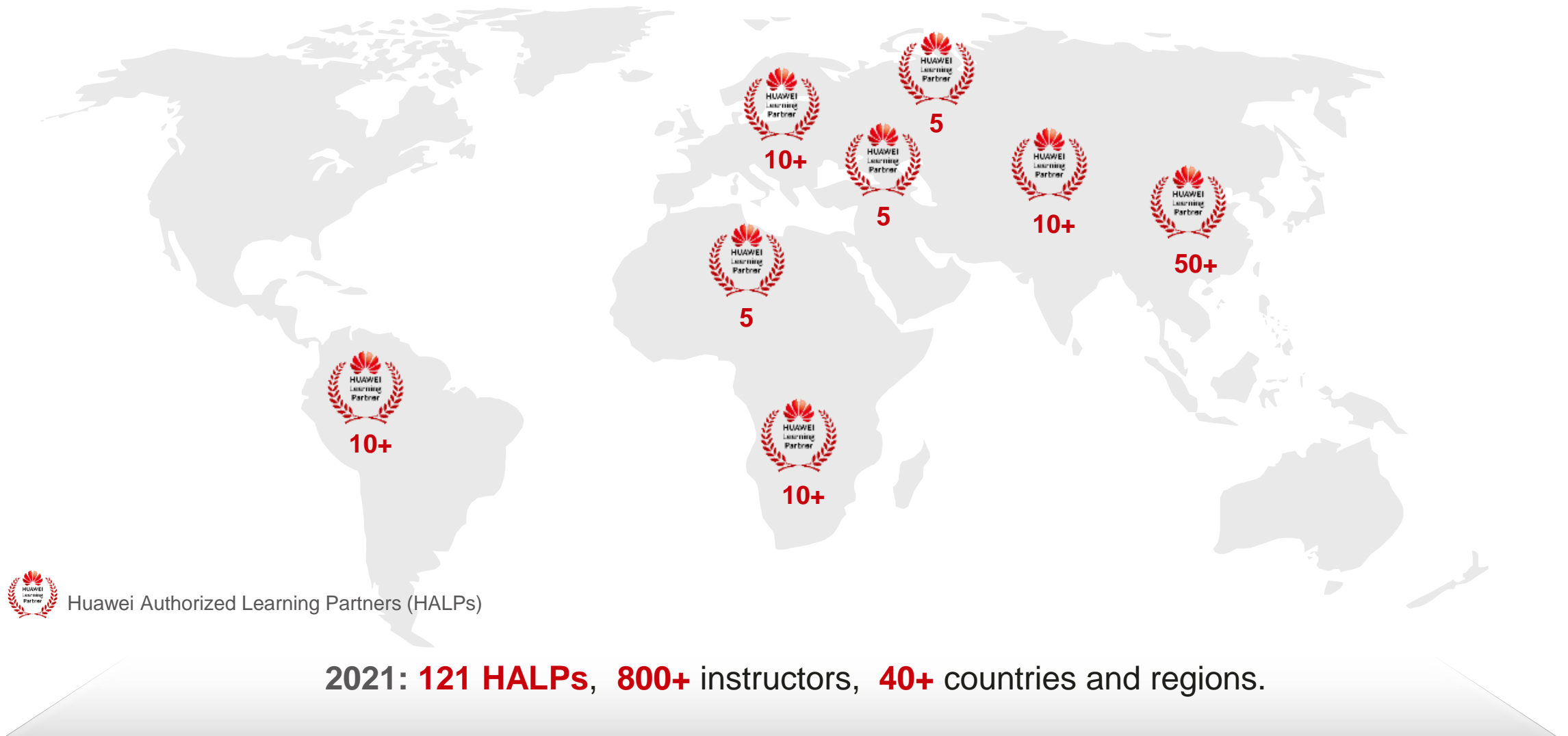
Teacher enablement  
Operations support  
Activity support  
Resource support

ICT skills  
Hands-on experience  
Career certification  
Job fairs

# Huawei certification: Build a comprehensive ICT certification system to improve digital skills of TVET



# HALPs around the world



Huawei Authorized Learning Partners (HALPs)

# Collaborate with HALPs to build the Huawei talent ecosystem



## Our Advantages



**Unique Identity**



**Marketing Support**



**Train The  
Trainer (TTT)**



**Huge Returns**



**Technical Support**

# Huawei ICT Competition: an international competition and exchange platform

## Huawei ICT Competition 2021-2022

I. C. The Future

1st 2015-2016

**7550** students  
**499** universities and colleges  
**30** Chinese teams in the final

2nd 2016-2017

**15,000+** students  
**658** universities and colleges  
**7** countries/regions  
**33** teams in the global final

3rd 2017-2018

**40,000+** students  
**800+** universities and colleges  
**32** countries/regions  
**23** teams in the global final

4th 2018-2019

**100,000+** students  
**1600+** universities and colleges  
**61** countries/regions  
**49** teams in the global final

5th 2019-2020

**150,000** students  
**2000+** universities and colleges  
**82** countries/regions  
**109** teams in the global final

6th 2021-2022

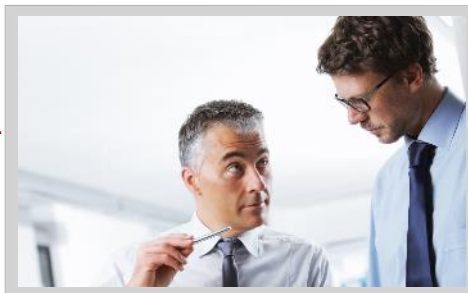
**150,000** students  
**2000+** universities and colleges  
**85** countries/regions  
Be included in the Higher Education Competition Rankings by the China Association of Higher Education

# Huawei Talent : One-stop digital talent development platform, assist equity in education of TVET

## High-quality MOOCs

261 high-quality courses

23 technical domains in the ICT field



## Online Labs

Online labs based on cloud computing, solving practical operation problems

## Live streaming

Live streaming, synchronization of lecture notes, and interaction between teachers and students, improving learning efficiency



## Mock exams

Online mock exams with easy preparation

170+ Countries/Regions

1900+ ICT Academies

120+ HALPs

1.21+ million Trainees



# Shenzhen Polytechnic & Huawei: Integrating industry practices and education

## Background

- Shenzhen Polytechnic is known as a pioneer of higher vocational education in China and aims to build a "world-class vocational college".
- As ICTs and new technologies develop rapidly, Shenzhen Polytechnic hopes to cooperate with Huawei to update courses according to latest industry practices, helping graduates become more competitive.

## Cooperation Process

### Start

In 2011, Shenzhen Polytechnic became the first Huawei ICT Academy among Higher Vocational Colleges

### Activities

- Participate in Huawei trainer trainings
- Integrate Huawei certification into the education system
- Build practical training conditions
- Participate in Huawei ICT competition

### Achievements

**Course:** By the end of 2021, 3500 students had obtained Huawei certifications, 279 of them certified in HCIE.

**Teachers:** Over 30 teachers have passed HCAI certification. The 1+X network textbook series compiled by teachers has been included in the 13th Five-Year Plan teaching material, with an annual sales of over 100,000 copies.

The cooperation practice won the **National Teaching Achievement Award** in 2018.

"We have worked with Huawei to explore a new model of university-enterprise cooperation that complements each other's strengths, overcoming difficulties in integrating industry practice and education. We have integrated Huawei certificates into courses, benefiting both universities and enterprises.

— Ma Xiaoming, Former Vice President of Shenzhen Polytechnic/the First Author of National Teaching Achievement Award





# Thank you.



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**Huawei ICT Academy**



**WeChat Official Account:**  
**Huawei ICT Academy**

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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