

Collaborative and Coordinated Integrative Cloud Services for Sustainable Development

Dulei Huawei Cloud

Huawei: Leading Global Provider of ICT Infrastructure and Smart Devices



Employees



80,000+

R&D employees



170+

Countries and regions



58 in

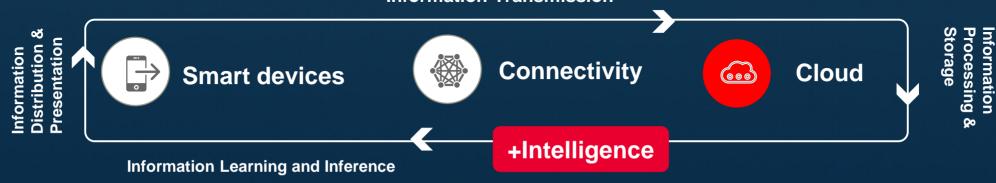
Interbrand's Top 100 Best Global Brands



72 in

Fortune Global 500

Information Transmission



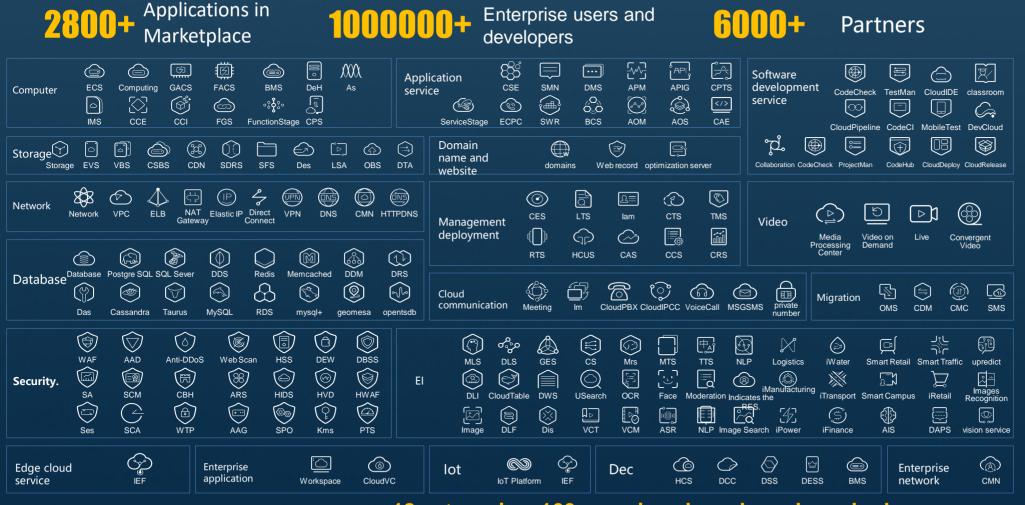


HUAWEI CLOUD Global Footprints Stable, Reliable, and Accessible Worldwide





HUAWEI CLOUD Services Are Growing Fast







No. 1 in China's big data market

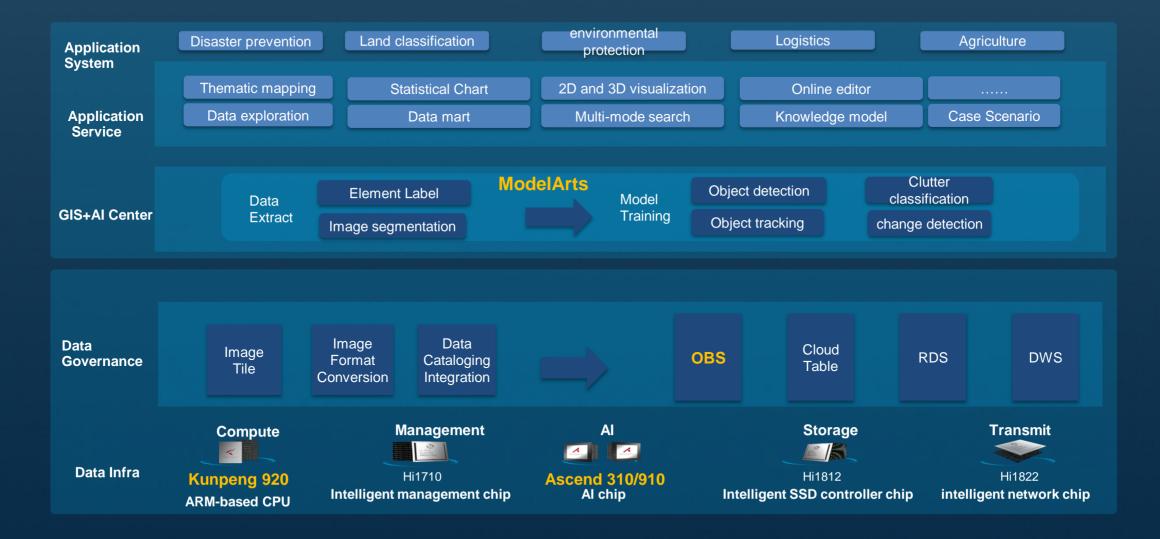


Leader in China's public cloud market

Source: The Forrester Wave, 2018



HUAWEI CLOUD Remote Sensing Big Data Solution





OBS Service: Superb Performance and High Availability



OBS 3.0

Unlimited capacity
100 billions+ objects
10 millions+ TPS
100 Tbps throughput capacity
2.4 Gbps single-stream bandwidth
Latency as low as 10 ms

Level 5: Regional reliability Cross-region Region Earthquake, flood, war (0.1%) replication Level 4: Data center reliability Data Multi-A7 Wind, fire, water, and electricity Center Cross-A7 FC faults (1.8%) Cabinet-level **Level 3: Cabinet reliability Cabinet** PDU and switch faults (0.1%) redundancy Level 2: Server reliability EC Server FRU faults (3.4%) **Partition** GC restoration Level 1: Media reliability **Detection of slow** Storage Bad sectors and slow disks disks Media (3.78%)Bad sector detection

Availability: 99.995%, durability: 99.999999999%



HUAWEI CLOUD EI: a New Engine for Intelligent Industry Upgrade

General APIs ASR TTS Image Recognition NLP FRS Content Moderation OCR











As of Dec 31, 2018 Available on https://www.huaweicloud.com/en-us/ei/



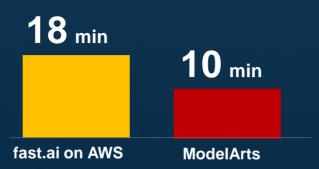
ModelArts Reduces the Model Training Duration by Half

Algorithm optimization



A training acceleration ratio of over 0.8 for a cluster with 1,000 GPUs

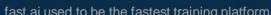




fast.ai used to be the fastest training platform.



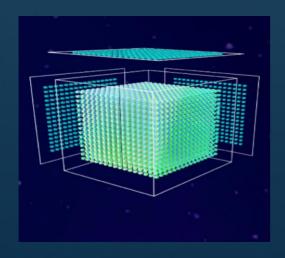
Simplified hyperparameter tuning



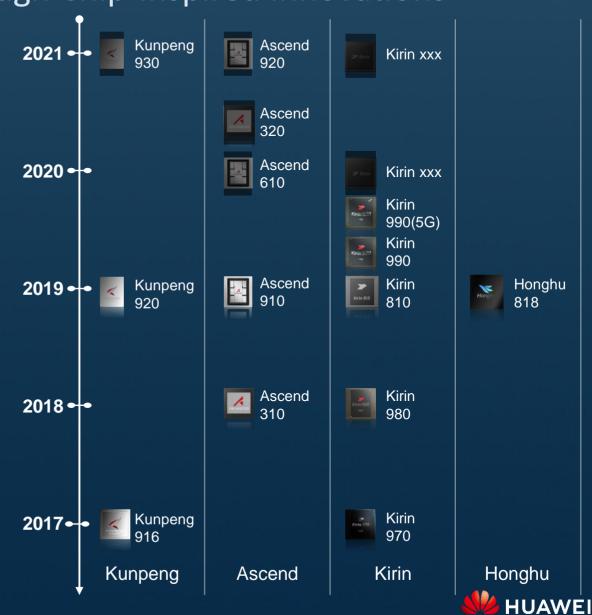


Delivering Pervasive Intelligence Through Chip-Inspired Innovations

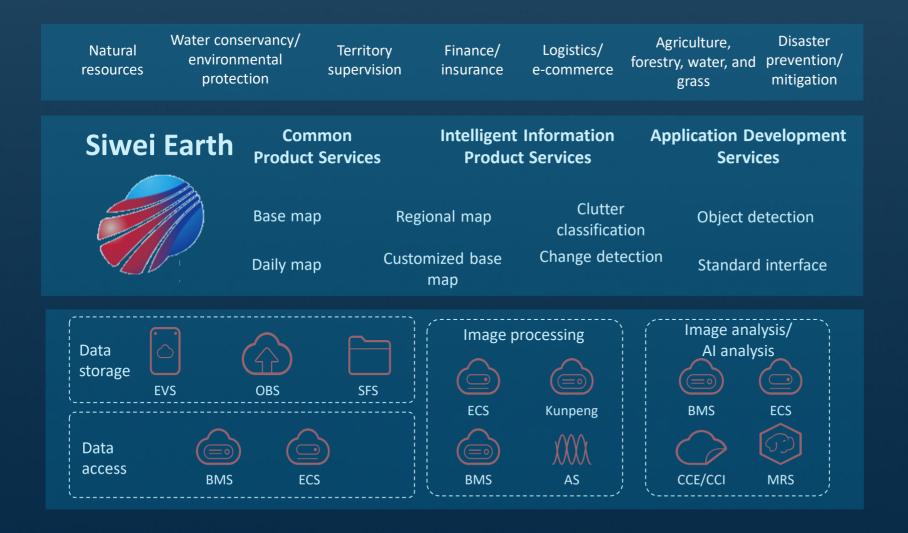
Da Vinci Architecture



- 16 x 16 x N scalable cubes
- Simultaneous support for tensor, vector, and scalar units
- All scenarios: devices, edge, and cloud



"Siwei Earth" Building a Remote Sensing Industrial Cloud to Offer Internet+ Services for the Remote Sensing Industry



30 min

fault detection time

90%+

recognition accuracy

2 tpm

detection frequency



Common Product Services: Making Remote Sensing Data Inclusive on Demand and in Quasi Real-Time





Base map





Daily map

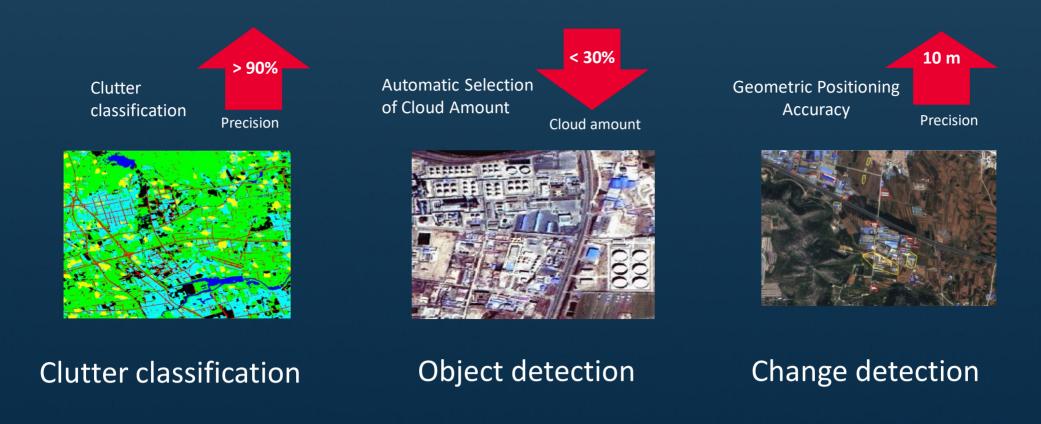




Regional map

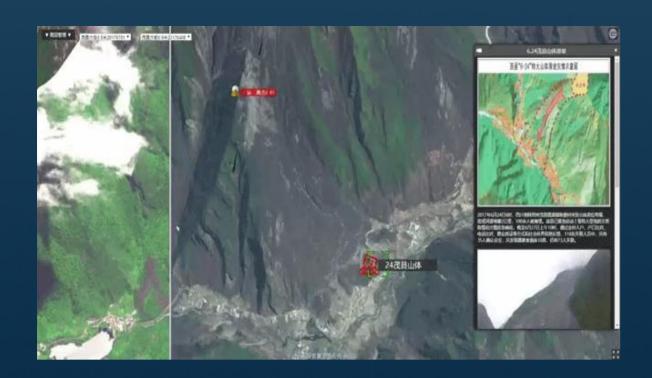


Use Al Technologies to Gain Instantaneous Perceptions of Clutter Changes

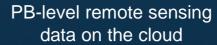




Remote Sensing Data on the Cloud Ensuring Accurate and Timely Disaster Warning









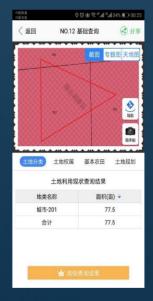
Information sharing and collaborative operation

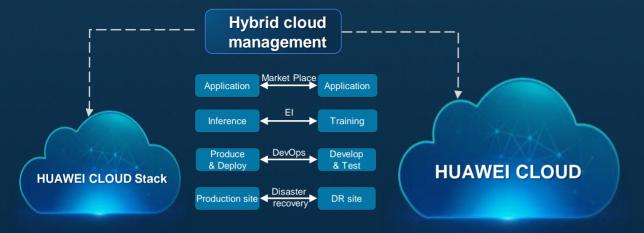


HUAWEI CLOUD Support 3rd China Land Survey, Build Fundamental Data for Sustainable Development









Data Compliance with hybrid architecture

OBS support massive data



Saving the Rainforest by Listening



Tech for all. Pass it on. 科技普及天下

