

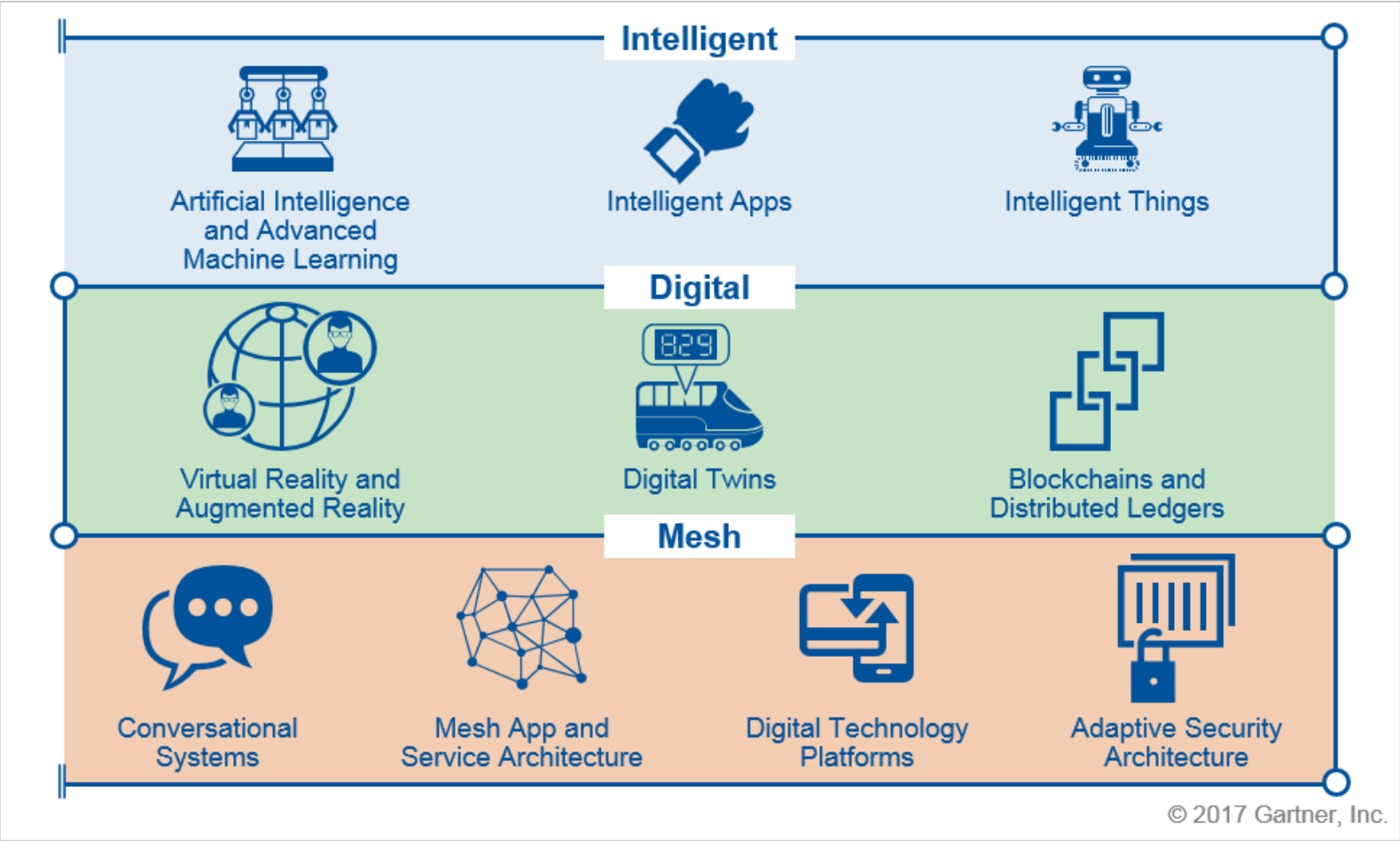


# Подход компании Huawei к построению облачных дата центров

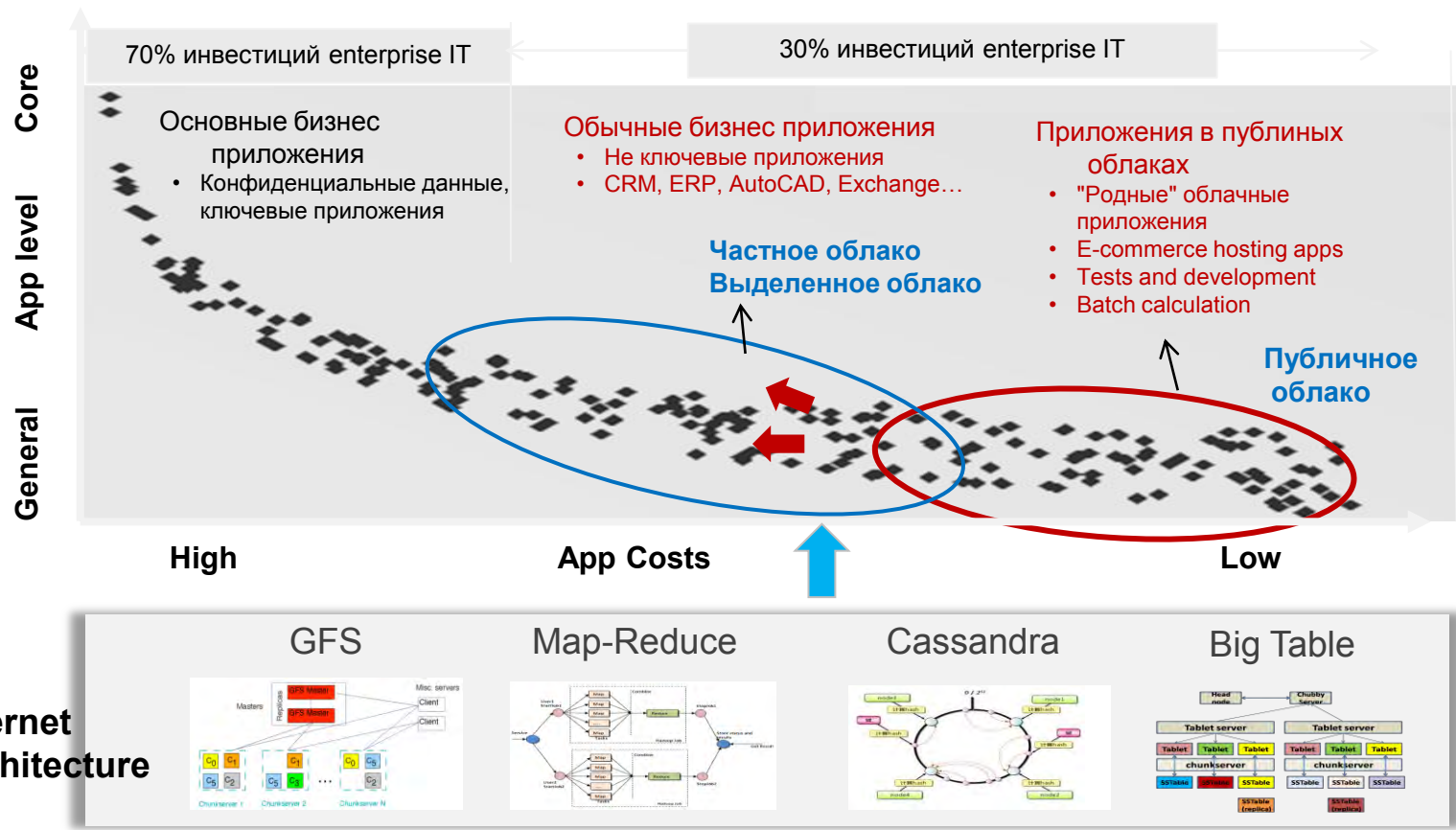
Андрей Соснихин  
Директор по решениям  
Департамент ЦОД,  
Huawei CA&C

**LEADING NEW ICT**

# 10 главных технологических тенденций в 2017

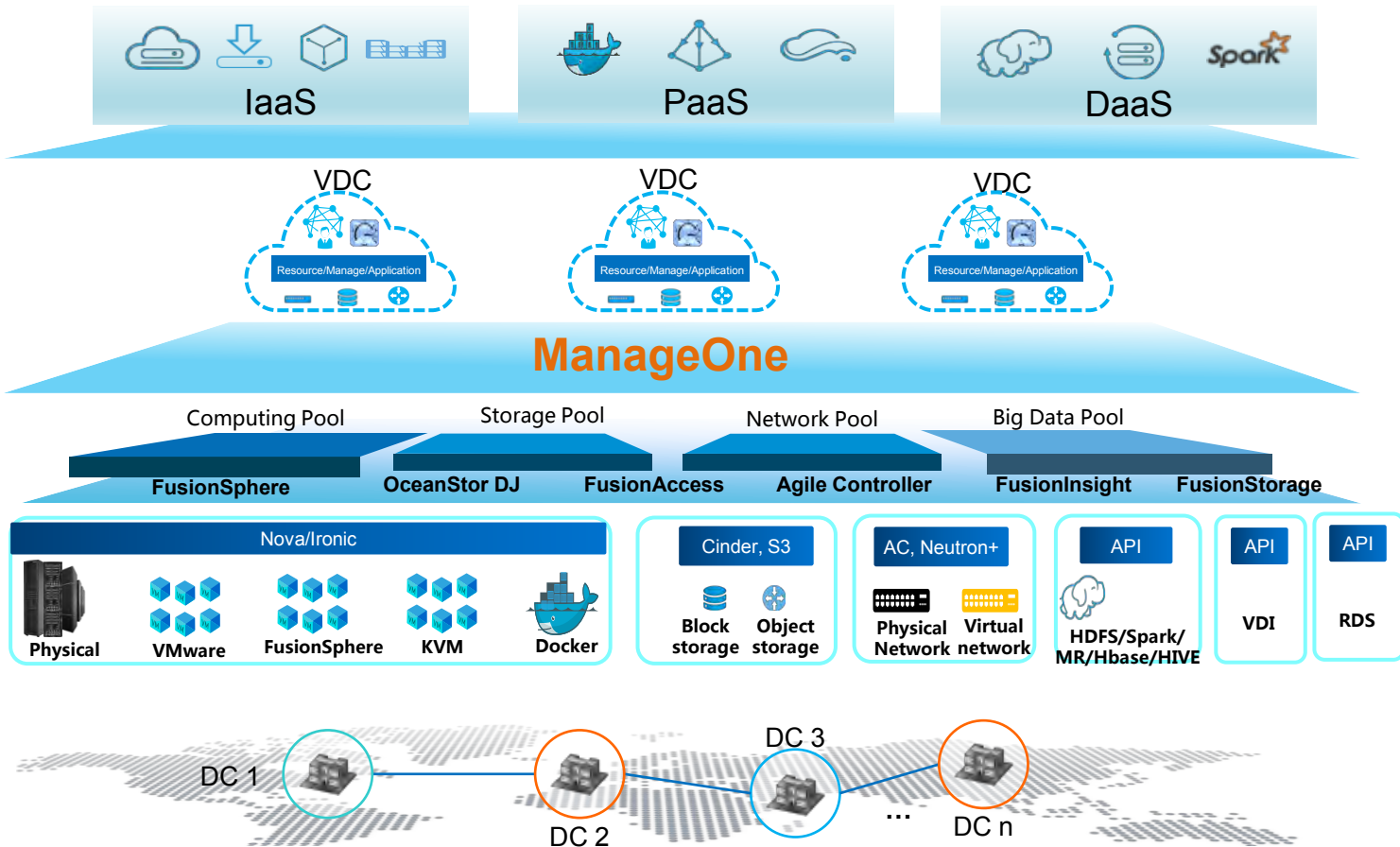


# Возможные варианты трансформации























\*Data from Gartner

# Новая архитектура облачного дата центра SD-DC<sup>2</sup>

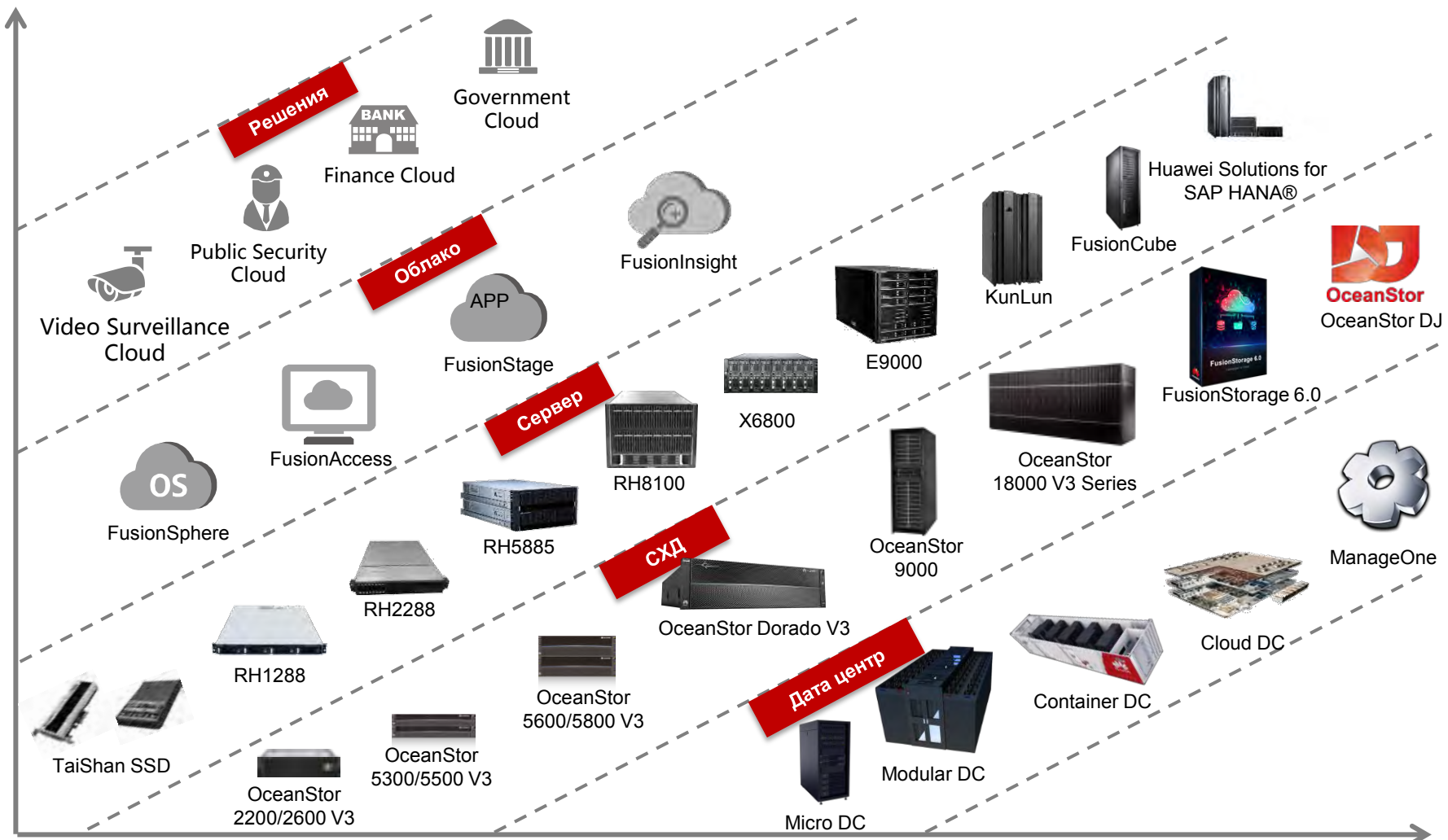


# Каталог облачных сервисов

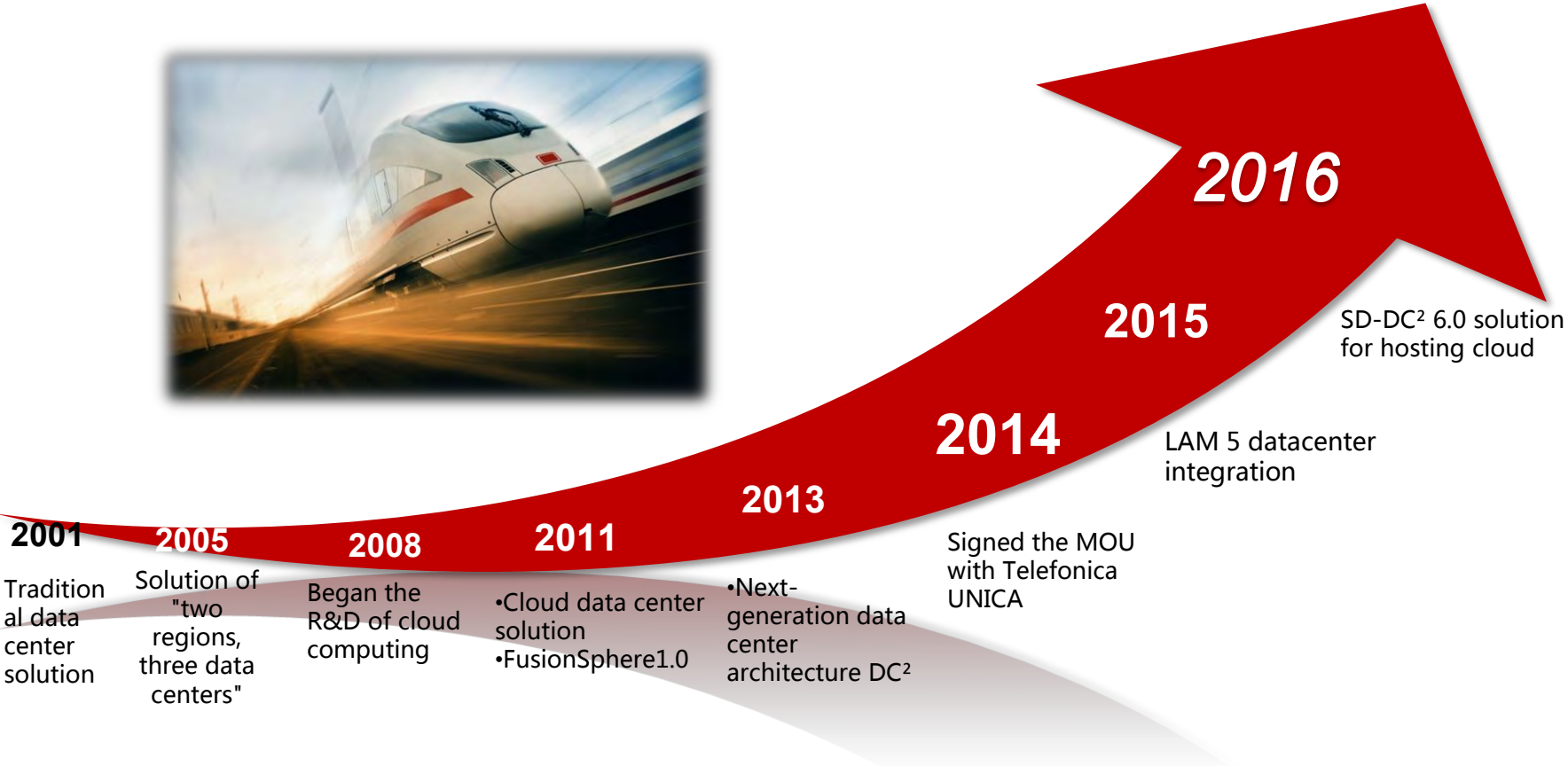
Compute	 Elastic Cloud Service (ECS)	 Image Management Service (IMS)	 Auto -Scaling Service (AS)	 Bare Metal Service	 SAP HANA
Storage	 Elastic Volume Service (EVS)	 Object Storage Service (OBS)			
Network	 Virtual Private Cloud Service (VPC)	 Elastic Load Balance Service (ELB)	 Elastic IP Service (EIP)	 Virtual Private Network (VPN)	
Backup&DR	 Disk Backup	 Cloud Host Backup	 Cloud Active-Passive DR Service		
PaaS	 RDS for Oracle				
Management	 Identity and Access Management Service (IAM)	 Monitoring	 Virtual Data Center	 Managed Hosting	 On Premise Cloud



# Портфолио ИТ продуктов и решений Huawei



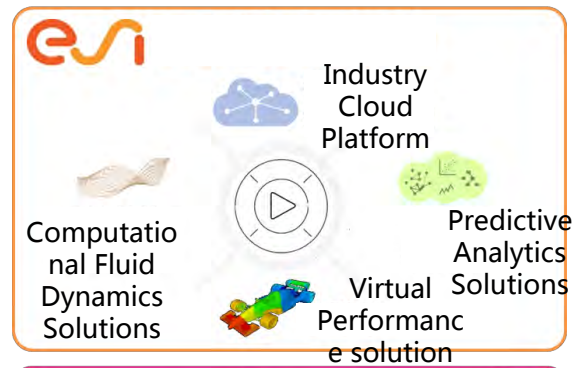
# Развитие решений Huawei Cloud Data Center



# Обширная экосистема партнеров для поддержки трансформации



## Cloud-based CAE Solution





# Постоянные инвестиции в инновации

## R&D investments

- **10,000** R&D engineers
- **Seven** R&D centers across the world



## Standard organizations

- **150+** international standard organizations
- **180+** international standard organization posts
- **5000+** proposals submitted in

2013



## Patents

- **4800+** patents licensed
- In cloud computing field, 685 patents are licensed in China, 226 in Europe, and 107 in the USA.
- **3000+** server patents



# Заслуженное признание в отрасли



**TBR**

**No.1** Overall competence of data centers  
Revenue increase rate of DC



**Hong Kong ICT Awards**

2014  
**Best Green ICT Award**



**Frost & Sullivan**

2013  
**Cloud Infrastructure Product Innovation Award**



**Current Analysis**

SDN  
**Top supplier**



**Gartner**

**The only Chinese manufacturer** Entered the Gartner Magic Quadrant for two consecutive years



**DCD Award**

**Oscar in DC industry**

- DC Blueprint Award
- "Green" Data Center
- Innovation in the Medium-Data Center

# Huawei в Казахстане



**300+** Local employee  
80% of them local staff  
Additionally created

Office in **Almaty, Astana**  
Service and Training Center in  
**Almaty, Astana**  
Technical Assistance Center in  
**Almaty, Astana**  
Spare parts Center in **Almaty**



- Serving 2/3 of the Kazakhstan's population

**Business Areas**

- Carrier
- Enterprise
- Mobile devices



# Глобальная экспертиза в облачных ЦОД



480+ data centers constructed across the globe, including 160+ cloud data centers

# Решения Huawei помогли построить ИТ платформу для Халык Банка



Halyk bank is one of main and large bank in Kazakhstan, It is the world's top 500 banks. Mainly provides investment for national big projects. IT has the very strong domestic influence in the international and Kazakhstan.

## Requirement

- Existing equipments are old and low performance, low utilization rate and can not satisfy the requirements of new business.
- Customer wants to build a IT resource pool including computing and storage resource with high reliability.
- The data is increasing rapidly and requires good scalability of server.

## Huawei Solution

- The Huawei FusionServer RH1288 V3 is a new-generation 1U dual-socket rack server. It achieves optimal balance of performance and density owing to optimal design. provide a elastic and high performance computing pool.
- RH1288 V3 provides reliable and high performance server resource.
- Fusionserver RH1288 V3 provide integrated device management solution and flexible network configuration.

## Customer Benefits

- Huawei Fusionserver RH1288 v3 provide efficient computing resource and can support next generation network.
- Professional management module provides comprehensive management.
- Accurate .fault locating facilitates efficient O&M

# Решения Huawei для нефтегазовой отрасли



## Нефть & Газ



### Газпром

- Video Conferencing
- WLAN and Microwave
- OceanStor & Blade Server



### Роснефть

- LAN Solution (Router)



Федеральная Сетевая Компания  
Единой Энергетической Системы

### ФСК

- Backbone Network
- LAN Solution in Intensive



## Газпром

### Huawei резервный ЦОД и ВКС

- Резервный ЦОД Газпрома
- Подключены 6 филиалов Газпрома с Huawei ВКС



# Быстрое внедрение Модульного Дата Центра для АО “Транстелеком”

## Project Background

- TTC is name account customer of Kazakhstan office, it is also the biggest ISP supplier in Kazakhstan
- they want build Modular data center and rent it to end customer

## Customer Requirement

- The production time should less than two weeks, Installation time should less than one week
- Modular structure and Low PUE

## HUAWEI Solution

- HUAWEI Provide Modular data center to TTC
- 16pcs IT rack, 2pcs air conditioner and 2pcs PDF
- The PUE of Data center is 1.5
- HUAWEI provide E2E solution to reduce project period



# Контейнерный Дата Центр для АО “Транстелеком”



“Transtelecom” JSC, which is one of the largest communications providers in the Republic of Kazakhstan, specializes in the provision of a wide range of telecommunications services, as well as information and communication services.

## Demands & challenges

- High availability and scalability
- High temperature adaptability
- Easy to move
- Customized requirement

## Huawei solution

- Intelligent management platform-NetEco, access control and video subsystems
- N+1 redundancy design and modular design UPS
- Wide temperature range:-40°C~+55°C
- High power density and stacked solution, save 50% space

## Benefit to customer

- High Security
- High availability and smooth expansion
- Fast deployment, flexible mobility







**СПАСИБО!**

**LEADING NEW ICT**