Global Internet
Data Centres (IDCs)

China Telecom Americas Internet Data Centres

World-class well-connected data centres across the globe

Operating a broad coverage of well-connected and state-of-the-art Internet Data Centres (IDCs) around the world, China Telecom **Americas** (CTA) is one of the leading global IDC service providers delivering best-in-class, secure and scalable data centre services to meet the unique and specific needs of any business.

Our worldwide IDCs are carrier-neutral and well-equipped with cutting-edge facilities that keep our customers' businesses constantly connected to a global business ecosystem, and optimise their IT infrastructure and operations.

We maintain a strong customer base that spreads across industries including finance, internet & media, retail, manufacturing, logistics, energy & resources, and many others. We are committed to providing integrated communication solutions to fuel our customer business growth along their digital transformation journey.

Our Global IDCs in Major Cities

Hundreds of IDCs located all throughout the globe

400+ IDCs in mainland China

HELSINKI
STOCKHOLM
AMSTERDAM
LONDON
FRANKFURT
PRAGUE
MOSCOW
PARIS
MADRID
MILAN
MARSEILLE
ISTANBUL
VLADIVOSTOK
SEOUL
CHIKURA
CHINA
(400+ SITES)
TOKYO
MARUYAMA
CAIRO
FUJAIRAH
DUBAI
NEW DELHI
HANOI
HONG KONG
BANGKOK
MUMBAI
HO CHI MINH
DJIBOUTI
NONTHABURI
LAGOS
KUALA LUMPUR
SINGAPORE
NAIROBI
MOMBASA
JAKARTA
DAR ES SALAAM
PERTH
JOHANNESBURG
SYDNEY

Leading data centre services provider in China

Leveraging an extensive and resilient global network infrastructure, and operating more than 400 IDCs in the prime areas of mainland China, China Telecom takes a leading position in the China IDC market and has earned widespread industry recognition over the years.

By integrating world-class IDCs with a suite of network connectivity, cloud and ICT services, we offer diversified and unparalleled communication services to help businesses thrive in China.

Our data centre solutions cater to the needs of a wide spectrum of industries

VANCOUVER
SEATTLE
HILLSBORO
CHICAGO
TORONTO
DENVER
NEW YORK
SAN JOSE
WASHINGTON DC
DALLAS
LOS ANGELES
MIAMI
RIO DE JANEIRO
SÃO PAULO

Our IDC Facilities

- Cover all major growing Internet markets
- Offer Tier III or Tier IV facilities
- Global dedicated and professional support team
- Different grades on offer: Dedicated Zone, Cage, Cabinet, Share rack (per U)

▶IDC Services in Hong Kong

Best-in-class data centre services available in Tseung Kwan O of Hong Kong

Equipped with state-of-the-art design features and facilities, we offer market-leading data centre services with abundant resources in the Tseung Kwan O data centre.

One of the largest carrier and cloud-neutral data centres in Hong Kong

- Situated in the central business district of Hong Kong
- Located in close proximity to the Hong Kong Stock Exchange hosting facility
- Adjacent to the Tseung Kwan O cable landing station and close to both the other major submarine cable landing stations
- 71,000 sqm of gross space
- Environmentally sustainable data centre
- Targeting a Leadership in Energy and Environmental Design (LEED) Gold rating

State-of-the-art Infrastructure and Service-oriented Support

Diverse Connectivity

Carrier neutral

Diverse cable routes and pathways

Access to multiple cloud services

Advanced Design Features

Higher raised floor of 900mm

Flexible and scalable footprints
600mm x 1200mm x 45U cabinet

Robust Security Measures

24x7x365 data center operation with security guard patrols, CCTV and biometric operational processes for high security needs

Fully Equipped Facilities

Chilled water cooling system delivers low PUE and reduces carbon footprint

100MVA of utility power with fully diverse distribution

Fire detection and suppression system

Professional Technical Support

Highly experienced and qualified technical team on-site

NOC provides cutting-edge resilient control systems

Exceptional Customer Services

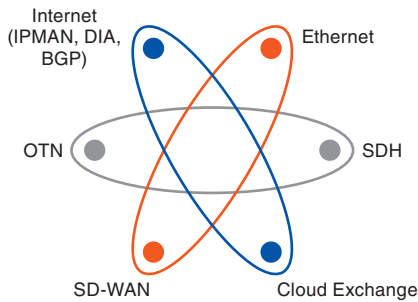Dedicated and customer-focused support

▶ Why CTA for Data Centre Services?

Global reach with superior network connectivity and flexible access

China Telecom's network stretches across the length and breadth of the globe and has built over 50 submarine and terrestrial cables around the world. With an inherent advantage of network quality, reliability and scalability, we offer our customers diversified network connections that extend to over 72 countries across every continent.

Meanwhile, our ultra-low latency network connects customers to global financial centres to ensure they stay connected with international markets.

Internet (IPMAN, DIA, BGP) · Ethernet · OTN · SDH · SD-WAN · Cloud Exchange

We offer a wide range of network connectivity options including low latency private lines, OTN, MPLS-VPN, and high-speed Internet access which can cater to our customers' business needs. Our local network of IDC interconnection makes data transmission services available across IDCs.
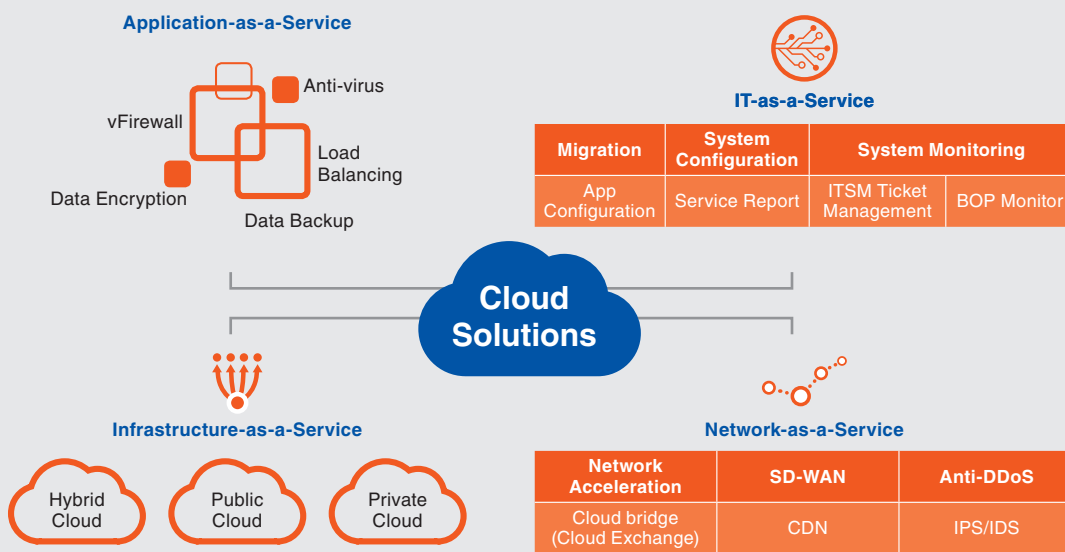
Global coverage of IDCs

Our world-class and well-equipped IDCs are located throughout Asia-Pacific, EMEA and the Americas, and offer carrier-neutral access to global service providers.

By developing long-standing partnerships with a number of top-notch global service providers, we have made our data centre services available in every corner of the world.
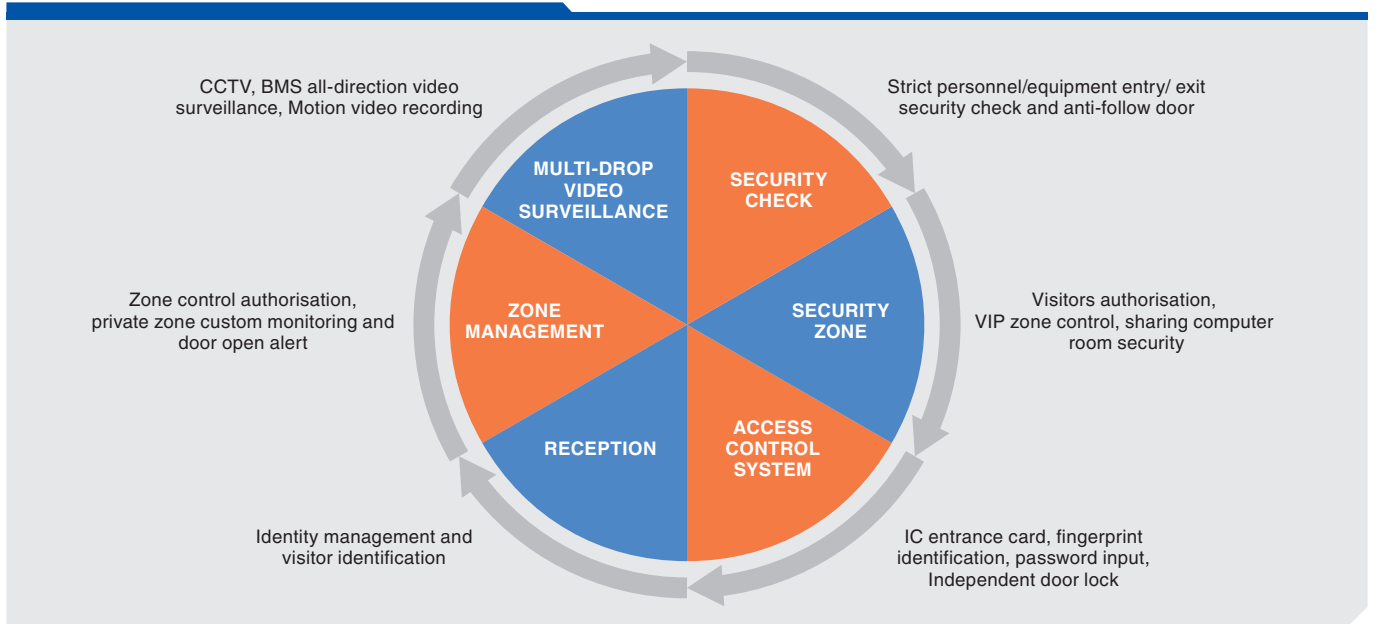
End-to-end solutions

Alongside our data centre services, we bring together comprehensive solutions comprising of network connectivity, cloud services, ICT services, network monitoring, project management and much more. Such a wide variety of service capabilities enables us to provide a one-stop solution to help our customers optimize overall operations and thus allow them to focus on their core competencies.

Cloud Solutions

Application-as-a-Service

vFirewall · Anti-virus · Data Encryption · Load Balancing · Data Backup

IT-as-a-Service

Migration	System Configuration	System Monitoring	
App Configuration	Service Report	ITSM Ticket Management	BOP Monitor

Cloud Solutions

Infrastructure-as-a-Service

Hybrid Cloud · Public Cloud · Private Cloud

Network-as-a-Service

Network Acceleration	SD-WAN	Anti-DDoS
Cloud bridge (Cloud Exchange)	CDN	IPS/IDS

Robust security and protected facilities

We adopt stringent security measures that adhere to the industry's best practices including disaster recovery and a Business Continuity Plan (BCP) to ensure that our customers' data assets are safe and highly secured. These measures range from the provision of firewalls, intrusion detection, DDoS attack defense to security assessment/optimization. Our protected facilities include 24/7 CCTV monitoring and security guards. All facilities are protected by round-the-clock temperature, humidity control and monitoring, as well as reliable fire protection systems, power supply and lighting protection systems.

CCTV, BMS all-direction video surveillance, Motion video recording

Strict personnel/equipment entry/ exit security check and anti-follow door

Zone control authorisation, private zone custom monitoring and door open alert

Visitors authorisation, VIP zone control, sharing computer room security

MULTI-DROP VIDEO SURVEILLANCE

SECURITY CHECK

ZONE MANAGEMENT

SECURITY ZONE

RECEPTION

ACCESS CONTROL SYSTEM

Identity management and visitor identification

IC entrance card, fingerprint identification, password input, Independent door lock

Professional global technical and operational support

Our global technical and operational teams are well-experienced and highly qualified, enabling us to develop customized data centre solutions to go above and beyond our customers' expectations.

We offer industry leading SLAs including 24/7 network operation and monitoring, maintenance management, dedicated NOC-based engineering personnel, as well as multilingual customer services, providing our customers with proactive and hassle-free support.

Industry accreditations and best practices

At CT, we are committed to maintaining excellence through achieving ISO certifications including ISO 27001:2013 Information Security Management System, ISO 20000:2011 IT Service Management System and ISO 9001:2015 Quality Management System. We strive to achieve energy-efficiency by establishing green operational policies and guidelines to minimise environmental impacts in data centre operations.

▶Our Solutions and Service Offerings

We offer a wide portfolio of best-in-class, resilient and secure data centre solutions as well as superior value added services, which can be catered to our customers' specific business requirements.

Basic offerings
- Colocation services, website hosting and virtual hosting
- VIP hosting room rental
- Data storage, backup and recovery

Network service
- Free Wi-Fi
- Internet access
- Cross-connect
- Lease line
- MPLS VPN
- CDN
- Cloud services

Smart hand service
- Basic package
- Advanced package
- Customised package

Security service
- Anti DDOS service
- Disaster recovery (DR) service
- Network device management
- Network monitoring

Customer service
- 24/7 customer hotline
- Exclusive customer portal
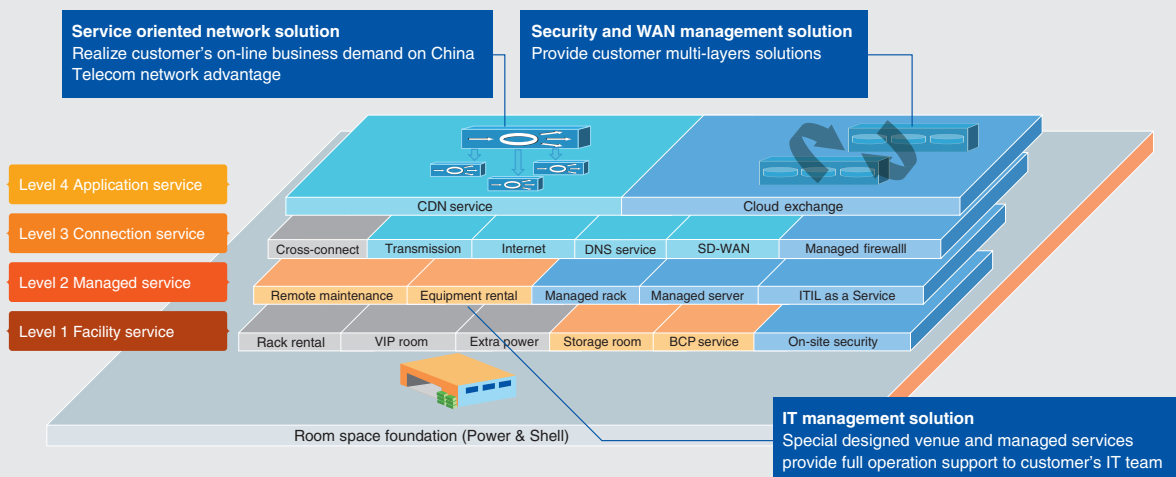- Reporting service

Supporting service
- BCP seats
- Customer office suite
- Stage room
- Storage room

Integrated Project Management Service
- Project Management
- SCOPE Management
- Schedule Management
- Risk Management
- Variation Management
- Quality Management

Data Center is a Container of Product Portfolios

Service oriented network solution
Realize customer's on-line business demand on China Telecom network advantage

Security and WAN management solution
Provide customer multi-layers solutions

Level 4 Application service
Level 3 Connection service
Level 2 Managed service
Level 1 Facility service

CDN service | Cloud exchange

| Cross-connect | Transmission | Internet | DNS service | SD-WAN | Managed firewalll |

| Remote maintenance | Equipment rental | Managed rack | Managed server | ITIL as a Service |

| Rack rental | VIP room | Extra power | Storage room | BCP service | On-site security |

Room space foundation (Power & Shell)

IT management solution
Special designed venue and managed services provide full operation support to customer's IT team

About China Telecom Americas

China Telecom Americas, a wholly-owned US-based subsidiary of China Telecom Corp. Ltd. (NYSE: CHA), is an international telecom provider for data, IP and voice wholesale services to multinational companies, organizations and international carriers requiring China domestic services and international access to China & throughout Asia- Pacific.

Headquartered in Herndon, Virginia, China Telecom Americas is the largest international subsidiary of China Telecom Corporation Limited, as well as the only authorized re-seller of domestic Chinese telecom products to North American companies. China Telecom Americas has offices in 31 countries, providing access to Chinese telecom network assets for customers in the United States, Canada and Latin America.

As the largest operating broadband operator in the world (127 million subscribers), as well as the world's largest CDMA mobile operator (227 million subscribers), China Telecom delivers a comprehensive global telecom service scope based on cutting edge technology, exceptional customer service, and a visionary approach to international telecommunications.

Awards

- **Best Telecommunications Company in Asia**
  (2016) FinanceAsia

- **Asia's Best Managed Company**
  (2017) FinanceAsia

- **Customer Relationship Excellence Award**
  (2012-2016) Asia Pacific Customer Service Consortium

- **Best Managed Company in Asia**
  (2010-2016) Euromoney

- **Most Honored Company**
  (2011-2017) Institutional Investor

- **The Best of Asia**
  (2010-2017) Asia's Icon on Corporate Governance

China Telecom Americas
607 Herndon Parkway, Suite 201, Herndon, VA 20170

Tel: (703) 787 - 0088
Email: marketing@ctamericas.com

Website: www.ctamericas.com