

EXPLORING **SUCCESS** TOGETHER



GLOBAL INTERNET DATA CENTRES (IDCS)
WOODLANDS, SINGAPORE

CTA - YOUR GLOBAL PARTNER FOR NETWORK AND DATA CENTRE SOLUTIONS

Leveraging an extensive global network infrastructure and Internet Data Centres (IDCs) with integrated cloud-network service capability, China Telecom Americas (CTA) is one of the leading global IDC service providers offering scalable, secure and resilient data centre solutions to meet the ever-changing needs of any business.

CTA's worldwide IDCs are carrier-neutral and well-equipped with business-ready infrastructures and facilities that keep customers' businesses constantly connected to the global ecosystem, protect their mission-critical data assets, and support their global ambitions.

CHINA TELECOM'S WORLD-CLASS NETWORK INFRASTRUCTURE



EXTENSIVE GLOBAL NETWORK

- Tier 1 global network infrastructure
- 50+ international terrestrial and submarine cables and a state-of-the-art OTN network
- 170+ PoPs worldwide



STATE-OF-THE-ART DATA CENTRES

- Hundreds of global IDCs across the globe, with 500+ data centres in mainland China
- Tier III or Tier IV data centre infrastructure
- Carrier and cloud neutral
- Unrivalled experience in data centre operation



GLOBAL INTERNET SERVICES

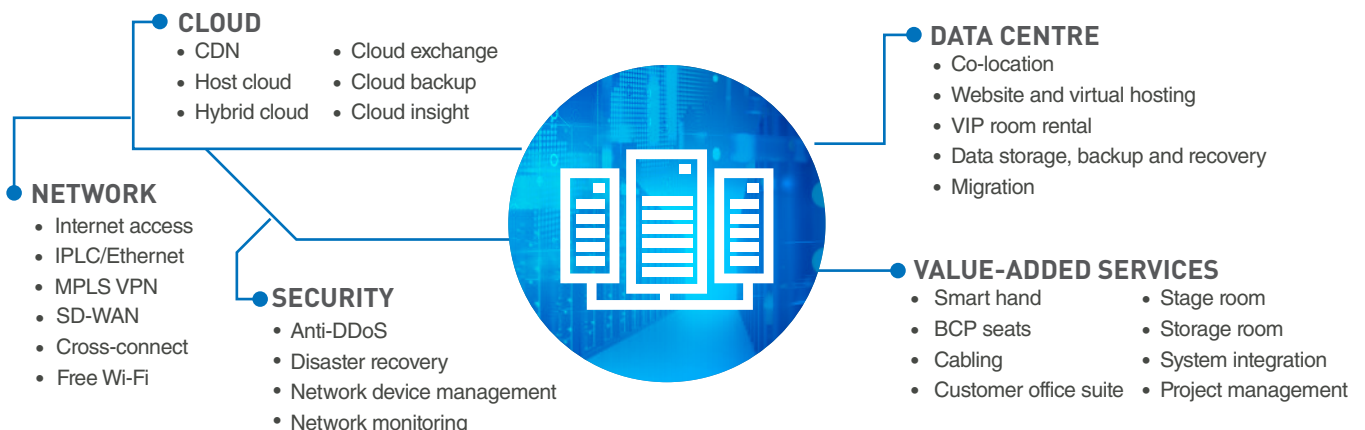
- World's largest network with the most internet users, including 160M+ broadband and 280M+ mobile subscribers
- World's most extensive network of Chinese internet information



END-TO-END SOLUTIONS

- One-stop solution offering diverse network connectivity, data centre, cloud, internet access, SD-WAN, ICT services and more
- Integrated approach with hassle-free support

DIVERSIFIED PRODUCTS AND SERVICES



OUR DATA CENTRE SERVICES IN SINGAPORE

KEY BUSINESS HUB IN ASIA-PACIFIC CONNECTING TO GLOBAL MARKETS

Singapore is widely regarded as one of the most important financial and information hubs in the Asia-Pacific region, providing communication gateways to and from the world. We are well positioned to provide scalable, reliable and flexible data centre services from the high-capacity carrier and cloud-neutral data centre located in Woodlands, Singapore, increasing our customers' regional presence to accelerate their global success.



BEST-IN-CLASS DATA CENTRE SERVICES OFFERED IN WOODLANDS, SINGAPORE

- Tier III carrier and cloud neutral
- Located in Woodlands, north of Singapore
- 17 km from Singapore's Central Business District
- 25,000 sqm of total gross space
- Dedicated purpose-built data centre premises
- Environmentally sustainable

KEY FEATURES AND BENEFITS

DIVERSE CONNECTIVITY

- High speed, low latency and multiple connectivity options
- Access to multiple ISPs and major Tier 1 and Tier 2 international and local carriers

ADVANCED FACILITIES

- Highly efficient and reconfigurable power and cooling distribution
- 30MVA utility power supply
- Target PUE of 1.38

SUPERIOR CUSTOMER SUPPORT

- Cutting-edge resilient control systems from NOC
- 24/7 network operation, monitoring and maintenance
- Multi-lingual customer services and dedicated support

CUTTING-EDGE DESIGN FEATURES

- Diverse power from two separate incoming supplies
- Roof space availability to satellite and antenna equipment

STRINGENT SECURITY MEASURES

- Highly secured, TVRA compliant facility
- HD video surveillance system and biometric entry controls

INDUSTRY ACCREDITATIONS

- Committed to ISO 9001, ISO 27001, ISO 20000 international standards
- Targeting the BCA Green Mark Platinum Award and the Leadership in Energy and Environmental Design (LEED) Gold rating



TECHNICAL SPECIFICATIONS

WOODLANDS, SINGAPORE

DATA SUITE	<ul style="list-style-type: none"> • 6m slab-to-slab height • 900mm raised floor 	<ul style="list-style-type: none"> • 3.5m clearance to underside of ceiling • 45U Standard cabinets
POWER	<ul style="list-style-type: none"> • 22kV utility supply with N+N redundancy • Utility power supply capacity of 30MVA (planned) • On-site Diesel Rotary UPS with N+2 redundancy 	<ul style="list-style-type: none"> • 24 x 7 x 365 fuel delivery • 1,500W/m² as standard
COOLING	<ul style="list-style-type: none"> • Water cooling system • Minimum N+1 resilience on all systems 	<ul style="list-style-type: none"> • N+N chilled water main riser system • Hot aisle/Cold aisle design
CONNECTIVITY	<ul style="list-style-type: none"> • Carrier neutral • Network dense • Access to multiple cloud services 	<ul style="list-style-type: none"> • 2 Meet Me Rooms • Diverse cable routes and pathways
SECURITY	<ul style="list-style-type: none"> • Security guard patrols and Operations Centre manned 24 x 7 x 365 • CCTV surveillance and records kept for 90 days • Comprehensive intruder detection and alarms to all areas 	<ul style="list-style-type: none"> • Access control using proximity card readers and biometric systems • Perimeter Intrusion Detection System (PIDS) • Compliant with Monetary Authority of Singapore's (MAS) TVRA requirements
FIRE DETECTION & SUPPRESSION	<ul style="list-style-type: none"> • Aspirated early warning smoke detection system (monitored 24 x 7 x 365) • Gas suppression system for all technical suites 	<ul style="list-style-type: none"> • Pre-action sprinkler system installed

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

- **MOST HONORED COMPANY (2009-2018)**
FinanceAsia
- **ASIA'S BEST MANAGED COMPANY (2017)**
FinanceAsia
- **MOST OUTSTANDING COMPANY IN HONG KONG - TELECOMMUNICATION SERVICES SECTOR (2018)**
Asiamoney
- **CUSTOMER RELATIONSHIP EXCELLENCE AWARD (2012-2017)**
Asia Pacific Customer Service Consortium
- **MOST HONORED COMPANY (2011-2018)**
Institutional Investor
- **THE BEST OF ASIA - ASIA'S ICON ON CORPORATE GOVERNANCE (2010-2018)**
Corporate Governance Asia
- **BEST MANAGED COMPANY IN ASIA (2010-2016)**
Euromoney



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