

SHANGHAI PUDONG DATA CENTER

The first Data center in China mainland provided by global DC player with granted IDC license. Excellent quality data center with NTTCom Nexcenter's global standard design and operations.

IDC Business license: B1-20170009

High Performance Specifications (Tier III+)

Building	Facilities
Total Gross Area: 6,500m ²	Power Reception: 2N redundant system(from 2 different sub stations) 35kV x 2
Server Room Area: 2,600m ² (approx. 1,000 racks)	Emergency Generator: N+1 configuration 24 hrs. operation without refueling
Floors: 3 stories	UPS: N+1 configuration(standard area) /2N (high density area)
Building Structure: Reinforced concrete	Duration time of Battery: 15 minutes
Floor Loading Capacity: 1,000kg/m ² (raised floor)	Voltage: AC220V
Raised Floor Height: 800mm	Air Conditioning System: Air-cooling type N+1 configuration, with UPS support for the high density rack space
Freight Elevator: W1,500mm×D2,100mm×H2,500mm, 2 tons loading capacity	Fire Protection: FM200 gas fire extinguisher Sprinkler(common space) VERY EARLY SMOKE DETECTION APPARATUS(VESDA)
Parking: Available	Security: Security gate, IC Card, CCTV surveillance, 24/7 onsite security guard
Building/ Machine Room Access: 24 x 7 access available Pre-registration policy 24 x 7 security guard	Network: Carrier neutral policy Domestic Network: CT internet, CU internet and BGP internet Global Network: Arcstar Universal One

Domestic Network Service

Pudong Data Center provides CT(China Telecom) and CU(China Unicom) static internet services, and also provides BGP internet service(CT, CU, CM) which can avoid connection delay between Northern and Southern area in China. In addition, China domestic VPN connections are also available upon customers' request.

Service Overview

Service Menu

No.	Service Category	Service Description
1	BGP	BGP internet connected to CT ,CU and CM
2	Internet	CT/CU static Internet connection
3	Additional IP Address	Available
4	Redundant Port	Available

Advantages

- Avoiding the Internet Connectivity Bottleneck between the North and the South of China**
Providing BGP connection with Chinese major carriers(CT, CU, CM).
- Various Connection**
Customized network is available upon customers' requests.
- High Reliability**
Achieving high reliability through the redundancy of any device and service in the Data Center.
- One-stop Operation**
24 hours x 365 days in English, Chinese and Japanese.

Global Network Service

Pudong Data Center is directly connected to Arcstar Universal One, a global VPN service, which offers high-quality connectivity services covering customers' multiple locations in mainland China.

Service Overview

Service Outline

NTT Com provides Arcstar Universal One access to customers in use of colocation service.
Access Line I/F: 100Base-TX
Bandwidth: 1~100Mbps

Advantages

- High Reliability**
Redundant network node equipments are installed in the data center, offering highly reliable service.
- Quick Service**
The node equipment is installed in the data center, connecting directly to customers' racks through in-house cables, which shortens the lead time of the network service.

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High Specified Data Center in Mainland China

High Quality Facilities

Equipped with fully redundant power system, cooling system and network devices. Availability of **99.9999%** - achieved by using both UPS and emergency generators - guarantees truly stable operations.

Advanced Operations

Based on the global facility operation standards of more than 300 items stipulated by NTT Group Data Centers worldwide. Top level of security, 24 x 7 monitoring and comprehensive backup system are provided to the customer.

Proficient Environmental Performance

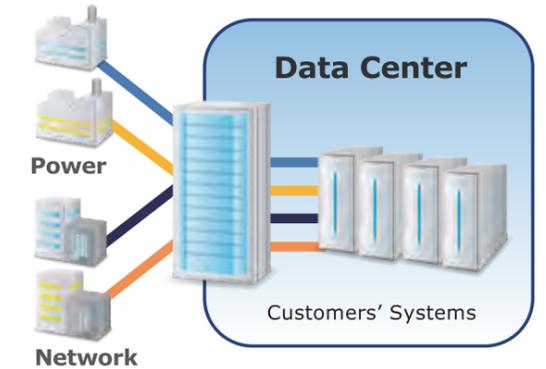
Improving the efficiency of cooling by advanced air flow management. High energy efficient power and cooling system reducing the power consumption, and achieving the toplevel of green performance in China.

PUE
(Design Value)
1.5

Dual Routes of Power and Network



To ensure reliability, all internal and external network and power cables are fully redundant and separated. Dual cables are provided for the data center as well as its inside by the state grid/telecom providers.



High Density Rack

10kVA
per rack

Up to 10kVA/rack is available. UPS supported air conditioner will suppress rapid warming of servers in case of power outage.

Standard Rack



High Power Rack



Flexibility

Dedicated room or cage space, standard rack and work space on a premise are available on customers' demand.



Perfect Location/ Customer-friendly Environment

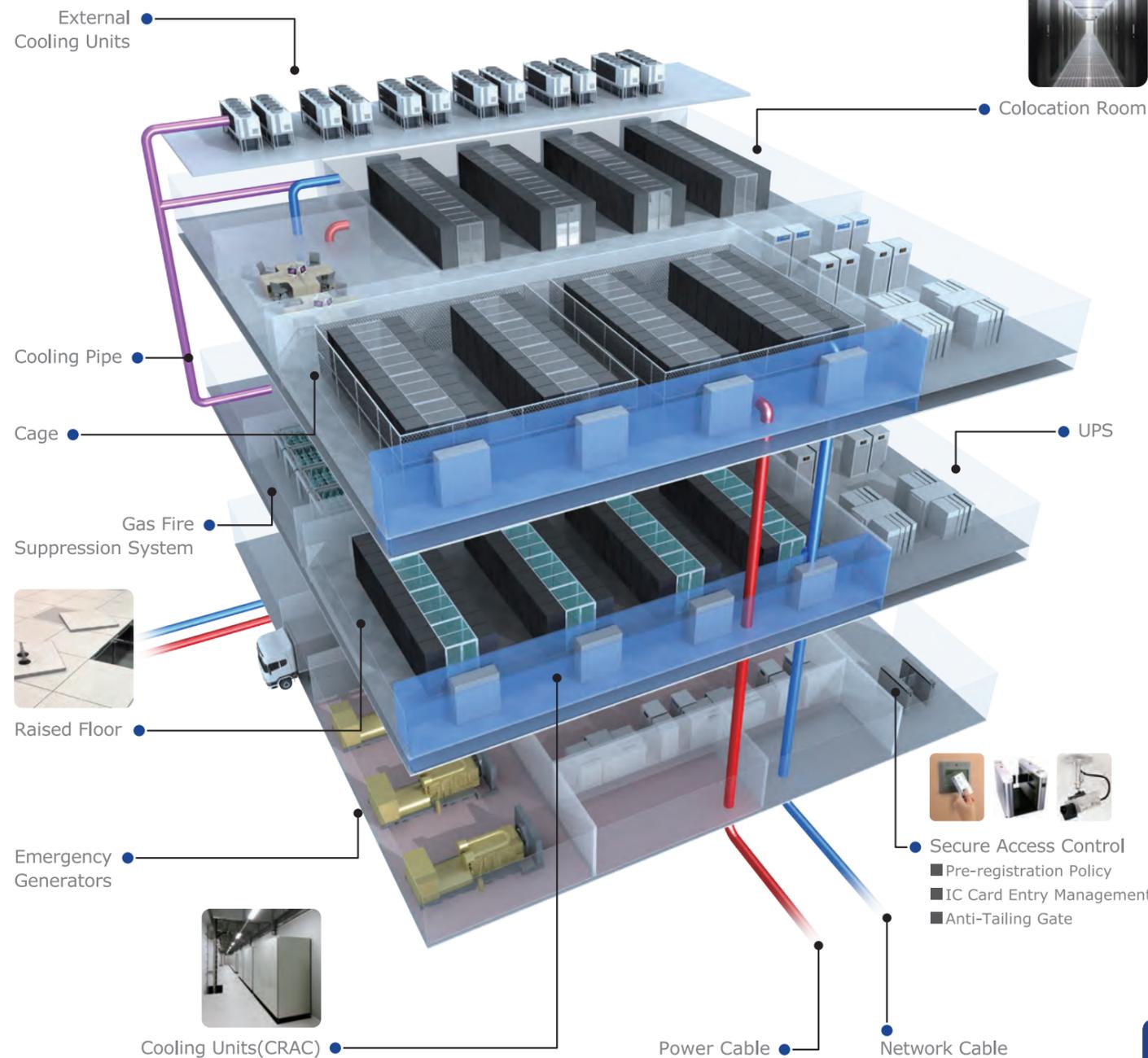
Customer-oriented data center offers functional comforts and easy access via mass transit system.



Secure Location, with Minimal Risk of Damage from Flood and Earthquakes

The data center is located in earthquake-free zone, 5km from the nearest waterfront, which minimizes risks from natural disasters.

Shanghai Pudong Data Center

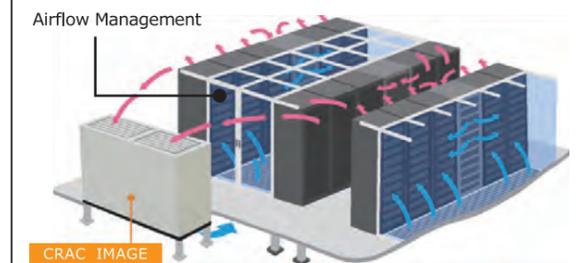


Green Technology



Airflow Management

Arranging cold and hot rack isles to separate the cold and hot air increases the cooling performance to the most needed areas and the overall efficiency.



Human Sensor Lighting

Achieving both "green" and "high security" by using a combination of human sensor lighting and always-on security lighting.

