Intelligent Data Center and Hybrid Cloud I Global Data Centers

Cyberjaya
Data Centers

With intelligence built into our solutions

NTT Global Data Centers

Flexible connection to data centers and clouds; over 20 countries and 500,000m^2 of server space

Data center footprint
Investing globally to meet local needs

AMERICAS
US
Ashburn
Chicago | Dallas
Sacramento | Bay Area
Hillsboro

EMEA
UK | London
Germany
Frankfurt | Munich
Berlin | Hamburg | Bonn
Netherlands | Amsterdam
Switzerland | Zurich
Austria | Vienna
France | Paris
Spain | Madrid
South Africa | Johannesburg

INDIA
Mumbai | Bangalore
Chennai | Noida

Japan
Tokyo | Osaka

APAC
China
Shanghai | Hong Kong
Malaysia | Cyberjaya
Singapore
Thailand | Bangkok
Vietnam | Hanoi
Indonesia | Jakarta
Taiwan
Philippines
Australia

We have 20 years of local experience in Malaysia and were awarded Multimedia Super Corridor (MSC) Pioneer Status by the Malaysian government. Our regional office has established a long history of operational excellence, trust and financial stability. We continue to invest in data center development to support Malaysia's initiative to become a data center hub and to accelerate in-country and global digital transformation growth.

Our interconnected global data center platform enables our clients to work across one global data center provider, supported by a pool of local operational expertise with access to a wide portfolio of ICT solutions. We provide scalable solutions to accommodate any client's size, location and digital transformation needs. Together we grow with our clients business.

> Our Services are combined with innovative data center services to suit your needs

Cyberjaya Data Center

Our essential infrastructure and uninterrupted operations is located in Malaysia's premier IT hub, Cyberjaya. The campus, established in 1997, has major advantageous characteristics such as:

- Located in the Multimedia Super Corridor, home to the Malaysian government's initiative to develop an extensive telecommunication network and reliable power infrastructure.

- 30km from Straits of Malacca and located on high ground level with 24m above sea level to ensure flood risks are mitigated.

- Low risk of natural disaster.

- Away from high traffic and congested areas.

- Away from high risk industries such as chemical, steel and paper.

- Within 5km radius of police and fire authorities.

- Easy transport access with proximity to airport, sea port, highways.

- Strategic area for financial institution disaster recovery and operation sites.

Kuala Lumpur

Cyberjaya

Peninsular Malaysia

Self-owned
Self-built
Self-operated

Cyberjaya 5 Data Center

Cyberjaya 5 Data Center is a 7-storey purpose-built data center designed and built to cater to hyperscaler demand, high-end enterprise needs and to help accelerate ICT solution providers digital transformation. With fault tolerance and compact modular design, the data center is enabled to provide flexible incremental power and efficient cooling activities for multiple IT deployment phases.

CBJ5 offers dedicated data center facilities for a client's mission-critical operations based on cost effective requirements. There are multiple air-flow management modules for various cooling approaches. CBJ5 provides the latest technology for continuous cooling with a Cooling Wall system to provide the highest environmental SLA and fully autonomous failover design.

Specifications

- 9,967m^2 total gross floor area and total 5,496 m^2 of server space
- Dual 33kV incoming power supply via different path
- Electrical system N+C Block Redundant Design
- 12 MW data center facilities
- Dual distribution path and compartmental facilities
- Support high density racks up to 15 kW/rack and 15 k N/m^2 floor loading

Certification

- Certified Uptime Institute Tier-III TCDD and TCCF
- Certified TIA-942 Rated-3
- Supports financial institutions to comply with Bank Negara Malaysia's Risk Management in technology (RMiT) guidelines

Highlights

- All facilities are precision engineered for maximum uptime
- Accredited to ISO27001, PCIDSS and TVRA supporting of client requirements
- PUE's as low as 1.6 that are cost effective
- 24x7 remote support for basic and advanced tasks
- Our data center is connected with NTT's 160+ locations globally

Connectivity

- Established diverse connectivity solutions in NTT carrier-neutral data center campus since year 2000
- Integrated with NTT's Global Tier-1 IP network, MPLS, Multi-Cloud Connect and domestic Arcnet Internet Service and MyNAP Internet Exchange
- Inter-connected network among our clients to create own reliable digital supply chain ecosystem
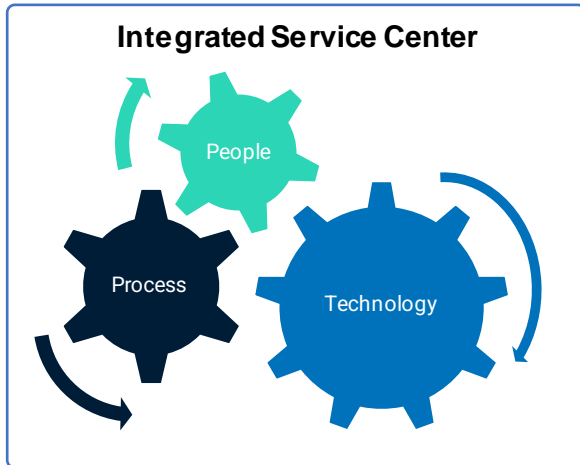
Data center specifications

We've consistently invested and developed our data centers at the Cyberjaya Campus. Currently, five data centers are operating to host our clients IT environment according to their needs and requirements. Our data centers are designed and built with leading technologies for high redundancy and concurrent maintenance.

Category	Spec	CBJ1	CBJ3	CBJ4	CBJ4 Annex	CBJ5
Rack	Max. capacity	335 racks	516 racks	1,245 racks	540 racks	1,350 racks
	Service options	Open area, caged area, private suite *Quarter or half rack available in CBJ1				
	Power density	1.5 - 3kw per rack	3 - 5kW per rack			Max. 15kW per rack
Power	Utility	Dual 11kV different path for each data center		Dual 11kV different path		Dual 33kV incoming power supply via different path
	Generator	Max. 4MVA	2N Max. 4.5MVA	2N Max. 12MVA		N+1 Max. 20MVA
	UPS	10 min. batteries	N+1 10 min. batteries	2N 10 min. batteries		N+1 10 min. batteries
	Fuel storage	16 H	36 H	36 H		36 H
Cooling	System	Air cooled DX CRAC Optional: Cold aisle containment				N+1 cooling with options: • Air cooled DX CRAC • Chilled water CRAH • Chilled water AHU • Cooling wall • Continuous cooling • Hot & Cold aisle containment
Fire Protection	System	Aspirating smoke detection system				
Certificate / Compliance	Common	ISO27001, ISO20000, DCOS-4, PCIDSS, SOC1 Type 1 & 2				
	Others	-	• TIA-942 Rated 3 • LEED • TVRA			• TIA-942 Rated 3 • Uptime Institute Tier-III TCDD and TCCF • Green RE • TVRA, RMIT

Operational support

We provide 24x7 operational support via the Integrated Service Center (ISC). The ISC centralizes the service desk and data center NOC under one roof to provide clients with fast responses, unified facility monitoring, client service requests, trouble ticketing, problem isolation, incident escalation, and change requests. We adopt ITIL best practices and comply to ISO 20000 in our operations to ensure smooth technology driven business processes through its best practices.

Integrated Service Center

People

Process

Technology

Fast response
With highest Service Level Agreements (SLAs).

Reliable and seamless
Decision making based on data-proven and ITIL practices.

Customer satisfaction
Respond urgently to client requests and resolve them quickly and successfully.

Crisis Management Center
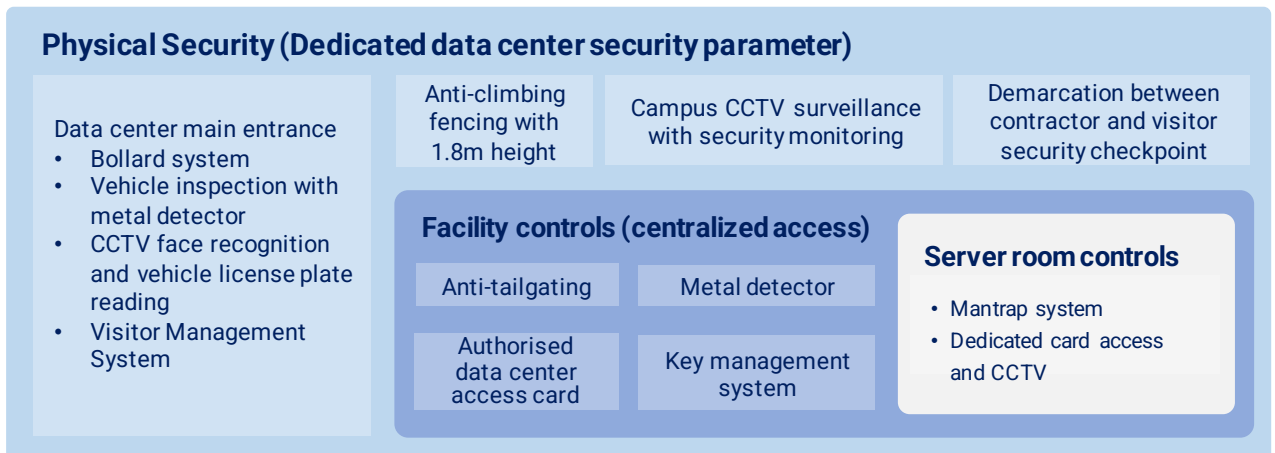Respond to urgency and criticalness of business continuity.

DCIM
- Real-time monitoring of data center temperature, humidity and power consumption
- Alarms and reports

Remote Hand Support via Smart Glass
- Real-time visual feedback
- Pushing a button
- Power cycling
- Cable reseating
- Visual checking of equipment status

High security parameter control

Our eight-layer data center physical security is comprised of built-in-safety and security features to protect client mission critical equipment.

Physical Security (Dedicated data center security parameter)

Data center main entrance
- Bollard system
- Vehicle inspection with metal detector
- CCTV face recognition and vehicle license plate reading
- Visitor Management System

Anti-climbing fencing with 1.8m height

Campus CCTV surveillance with security monitoring

Demarcation between contractor and visitor security checkpoint

Facility controls (centralized access)

Anti-tailgating

Metal detector

Authorised data center access card

Key management system

Server room controls

- Mantrap system
- Dedicated card access and CCTV

General facilities

Meeting rooms and Professional Centers are available to be rented for enterprise trainings, seminars, functions and meetings.

A purpose-built disaster recovery center is available for clients who need 24x7 IT operation. This also includes a pantry, meeting room, waiting area, shower room and other amenities. The utility power supply is backed up by a power generator, and there is an optional UPS power supply for uninterrupted operations.

We respond to COVID-19 by protecting and enabling our staff to provide continuous service. Along with supporting and following safety precautions for our clients.

Global to local connectivity

As a carrier-neutral data center, NTT Cyberjaya Campus is connected to various local carriers via diverse and redundant fiber path. NTT manage in-campus fiber network for direct connection between NTT's data centers and carriers. For local carrier connection, we are connected to our global tier 1 network infrastructure to offer direct connection between major service providers across the region via high speed and high-capacity network.
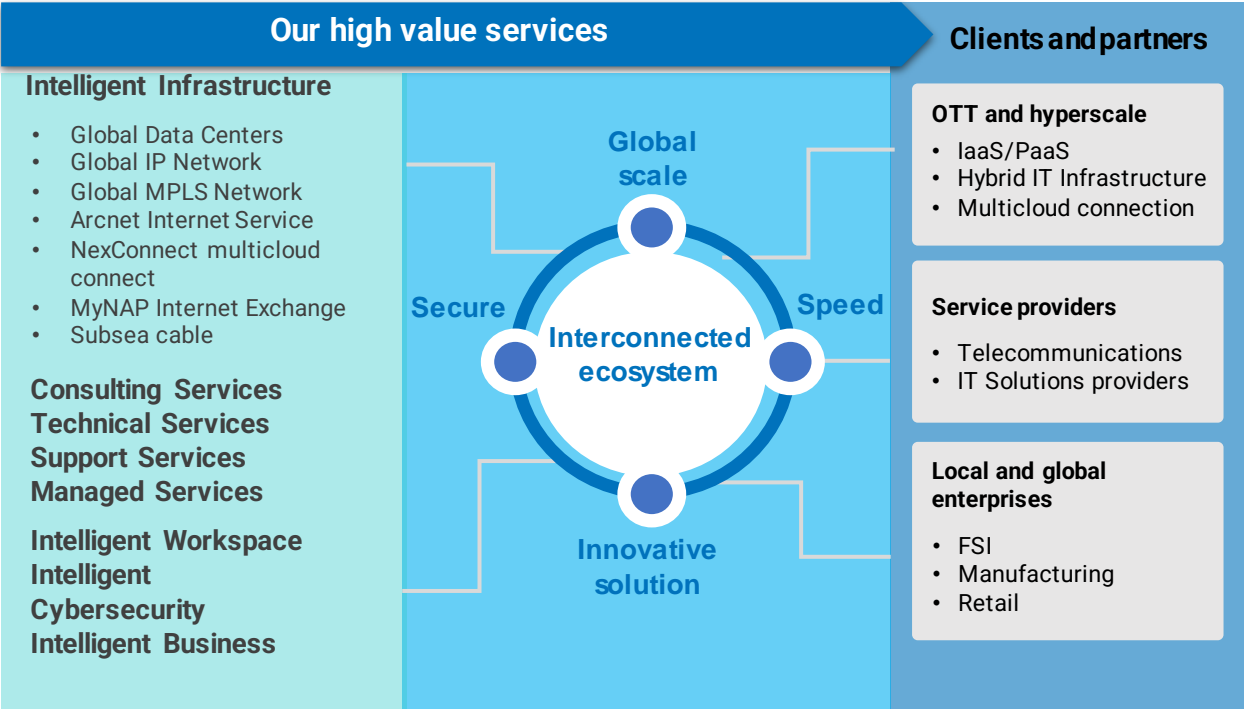
NTT Cyberjaya Campus connecting to Global Tier 1 network infrastructure

Carrier-neutral data centers with local carriers / multiple points of entry interconnecting our data center create diversity of network ecosystem.

Supporting our clients through their digital transformation with intelligent infrastructure and intelligent solutions

We understand our clients core challenges to modernize and innovate throughout the digital transformation. We have brought together our expertise and capabilities in networking, security, workplace, data center, cloud and managed services to create one global technology services provider that enables our clients to benefit from a full-stack integrated ICT service offering. NTT high value services enable clients to accelerate their digital transformation by being inter-connected to a high reliable and secure ecosystem.

Our high value services

Clients and partners

Intelligent Infrastructure

- Global Data Centers
- Global IP Network
- Global MPLS Network
- Arcnet Internet Service
- NexConnect multicloud connect
- MyNAP Internet Exchange
- Subsea cable

Consulting Services
Technical Services
Support Services
Managed Services

Intelligent Workspace
Intelligent Cybersecurity
Intelligent Business

Global scale

Secure

Interconnected ecosystem

Speed

Innovative solution

OTT and hyperscale

- IaaS/PaaS
- Hybrid IT Infrastructure
- Multicloud connection

Service providers

- Telecommunications
- IT Solutions providers

Local and global enterprises

- FSI
- Manufacturing
- Retail

NTT

Together we do great things