Cyberjaya Data Centers
With intelligence built into our solutions
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 our 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 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, support by a pool of local operational expertise with access to a wide portfolio of ICT solutions. We provide scalable solutions to accommodate any size and location of our clients’ business and digital transformation needs. Together we grow with our clients’ business.
Cyberjaya Data Center

Our essential infrastructure and uninterrupted operations is located in Malaysia's premier IT hub, Cyberjaya. The establishment of the campus since year 1997 take the advantages of major characteristics such as:

- Located in the Multimedia Super Corridor where the Malaysian government's initiative to develop an extensive telecommunication network and reliable power infrastructure
- 30km from Straits of Malacca and located on a high ground level with 24m above sea-level to ensures flood risks are mitigated.
- Low risk of natural disaster
- Away from high traffic and congested area
- Away from high risk industries such as chemical, steel and paper
- Within 5km radius to police and fire authorities
- Easy access with proximity to airport, sea port, highways
- Strategic area for financial institution disaster recovery and operation sites
Cyberjaya 5 Data Center

Cyberjaya 5 Data Center, a 7-storey purpose-built data center is designed and built to cater hyperscalers demand, high-end enterprises needs and accelerate ICT solutions providers towards digital transformation. With fault tolerance and compact modular design, it enables to provide flexible incremental power and efficient cooling activities for multiple IT deployment phases. CB5 offers dedicated data center facilities for client’s mission critical based on requirements with cost effective. There are multiple air-flow management modules for various cooling approaches. Provide latest technology for continuous cooling with Cooling wall system to provide highest environmental SLA and fully autonomous failover design.

Specifications

- 9,967m² total gross floor area and total 5,496 sqm 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 from 5kW - 10kW/rack and 15 kN/m² floor loading

Certification

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

Highlights

- All facilities are precision engineered for maximum uptime
- Accredited to ISO27001, PCIDSS, TVRA supporting of client requirements
- PUEs as low as 1.6 with cost effective
- 24x7 remote supporting basic and advanced tasks
- Our data center connected with NTT 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 in Cyberjaya Campus. Currently, five data centers are operated to host our clients’ IT environment to their need and requirement. Our data centers are designed and built with leading technologies for high redundancy and concurrent maintenance.

<table>
<thead>
<tr>
<th>Category</th>
<th>Spec</th>
<th>CBJ1</th>
<th>CBJ3</th>
<th>CBJ4</th>
<th>CBJ4 Annex</th>
<th>CBJ5</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Rack</strong></td>
<td>Max. capacity</td>
<td>335 racks</td>
<td>516 racks</td>
<td>1,245 racks</td>
<td>540 racks</td>
<td>1,350 racks</td>
</tr>
<tr>
<td></td>
<td>Service options</td>
<td></td>
<td>Open area, caged area, private suite</td>
<td>*Quarter or half rack available in CBJ1</td>
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<tr>
<td></td>
<td>Power density</td>
<td>1.5 - 3kw per rack</td>
<td>3 - 5kW per rack</td>
<td>5 - 10kW per rack</td>
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</tr>
<tr>
<td><strong>Power</strong></td>
<td>Utility</td>
<td>Dual 11kV different path for each data center</td>
<td>Dual 11kV different path</td>
<td>Dual 33kV incoming power supply via different path</td>
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<tr>
<td></td>
<td>Generator</td>
<td>Max 4MVA</td>
<td>2N Max. 4.5MVA</td>
<td>2N Max. 12MVA</td>
<td>N+1 Max. 20MVA</td>
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<td></td>
<td>UPS</td>
<td>20 min. batteries</td>
<td>N+1 10 min. batteries</td>
<td>2N 10 min. batteries</td>
<td>N+1 10 min. batteries</td>
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<tr>
<td></td>
<td>Fuel storage</td>
<td>17 H</td>
<td>38 H</td>
<td>42 H</td>
<td>36 H</td>
<td>48 H</td>
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<tr>
<td><strong>Cooling</strong></td>
<td>System</td>
<td>Air cooled DX CRAC</td>
<td>Optional: Cold aisle containment</td>
<td>N+1 cooling with options:</td>
<td></td>
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<td>• Air cooled DX CRAC</td>
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<td>• Chilled water CRAH</td>
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<td>• Chilled water AHU</td>
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<td></td>
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<td></td>
<td>• Cooling wall</td>
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<td></td>
<td>• Continuous cooling</td>
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<td></td>
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<td></td>
<td>• Hot &amp; Cold aisle containment</td>
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<tr>
<td><strong>Fire Protection</strong></td>
<td>System</td>
<td>Aspirating smoke detection system</td>
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<tr>
<td><strong>Certificate / Compliance</strong></td>
<td>Common</td>
<td>ISO27001, ISO20000, DCOS-4, PCI-DSS, SOC1 Type 1 &amp; 2</td>
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<tr>
<td>Others</td>
<td>-</td>
<td>• TIA-942 Rated 3</td>
<td>• TIA-942 Rated 3</td>
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<td></td>
<td></td>
<td>• LEED</td>
<td>• Uptime Institute Tier-III</td>
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<td>• TVRA</td>
<td>TCDD and TCCF</td>
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<td>• Green RE</td>
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<td>• TVRA, RMIT</td>
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</tbody>
</table>
Operational support

We provide 24x7 operations via Integrated Service Center (ISC) which centralized service desk and data center NOC under one roof to provide clients with fast respond, unified facilities monitoring, clients’ service requests, trouble ticketing, problem isolation, incident escalation, and change request. We adopt ITIL best practice and comply to ISO20000 in our operations to ensure smooth technology driven business process through its best practices.

**Integrated Service Center**

- Fast response
  - With highest service level agreements (SLAs)
- Reliable and seamless
  - Decision making based on data-proven and ITIL practice.
- Customer satisfaction
  - Respond to urgency and criticalness of business continuity.
- 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 physical security of data center compromises of built-in-safety and security features to protect client mission critical equipment.

**Physical Security (Dedicated data center security parameter)**

<table>
<thead>
<tr>
<th>Data center main entrance</th>
<th>Campus CCTV surveillance with security monitoring</th>
<th>Demarcation between contractor and visitor security checkpoint</th>
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</thead>
<tbody>
<tr>
<td>- Bollard system</td>
<td>- Anti-climbing fencing with 1.8m height</td>
<td>- Key management system</td>
</tr>
<tr>
<td>- Vehicle inspection with metal detector</td>
<td>- Campus CCTV surveillance with security monitoring</td>
<td>- Authorized data center access card</td>
</tr>
<tr>
<td>- CCTV face recognition and vehicle license plate reading</td>
<td>- Metal detector</td>
<td>- Key management system and CCTV</td>
</tr>
<tr>
<td>- Visitor Management System</td>
<td>-</td>
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</tr>
</tbody>
</table>

**Server room controls**
- Mantrap system
- Dedicated card access and CCTV

**Facility controls (centralized access)**
- Anti-tailgating
- Metal detector
- Authorized data center access card
- Key management system
General facilities

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

Purpose built disaster recovery center for clients who need 24x7 IT operation room, disaster recovery exercise come with pantry, meeting room, waiting area, shower room and other amenities. Utility power supply are backup by power generator, and optional UPS power supply for uninterrupted operations.

Responding to COVID-19 by protecting and enabling our people to provide continuous service. Practice operations best proactive support and safety precaution to our clients.

Global to local connectivity

As a carrier neutral data center, NTT Cyberjaya Campus connected with 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. From local carrier, 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
Supporting client’s business digital transformation with intelligent infrastructure and intelligent solutions

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

Our high value services
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

Clients and partners
OTT and hyperscale
• IaaS/PaaS
• Hybrid IT Infrastructure
• Multicloud connection

Service providers
• Telecommunications
• IT Solutions providers

Local and global enterprises
• FSI
• Manufacturing
• Retail

Innovative solution
Interconnected ecosystem
Global scale
Secure
Speed