Hemel Hempstead 1
Data Center
Efficient high density solutions
Home to the cloud
Marketplace for growth and innovation

London, the capital and most populous city in the UK, features one of the largest economies in Europe. It is a leading business and financial services district, with more than half of the FTSE 100 headquartered in the city. London is a global connectivity hub, home to the London Internet Exchange (LINX), which is one of the world’s largest internet exchange points, with more than 850 members. The city boasts thousands of technology businesses and is a leading location for technological innovations such as FinTech.

Our Hemel Hempstead 1 Data Center is located in Hemel Hempstead, Hertfordshire, which is about 35 km north of London and forms part of the Greater London Urban Area. The locality has attracted many businesses due to its proximity to London and excellent connectivity links, with easy access to the UK motorway network and London airports. 7,300 businesses are located in Hemel Hempstead and the surrounding areas, major international firms with a presence include Amazon, BP, BT, Kodak, Epson, Sopra Steria, Unisys and ASOS.com. The high availability of development land in Hemel Hempstead make it an ideal business location, the major business park, Maylands Business Park, is the largest business park in the south east with 700 businesses residing there.

As well as being connected to other NTT data centers, the facility is also connected to major carrier hubs in both Slough and the Docklands which has been established as the UK’s internet hub and the backbone for the global internet network, which facilitates the majority of the London Internet Exchanges (LINXs).

The data center offers highly available, scalable data center space, with options for high power density, carrier neutrality, access to the public providers, internet connectivity, and on-site support.

The London data center market is one of the most active colocation ecosystems in the world with a strong networking, internet and cloud infrastructure presence. London is a strategic hub for data center services for both UK organizations as well as multinational companies, who from both a physical and digital perspective, require reliable services to reach local clients even faster. As the third-leading data center provider in the world, we continue to build on our sturdy foundation to successfully serve this vibrant data center market today and in the future.
Secure and flexible space built to your specifications

Your requirements are the most important aspect of our service offering. You choose, we deliver. Whether you select a building shell which you configure yourself, or we construct it according to your specifications, or even if you want to rent a single rack in our shared environment, we can accommodate your needs. We will also ensure the space is highly available through our years of engineering critical data centers while maintaining high levels of security to keep your infrastructure and data safe.

Infrastructure

Data center space
- 4,000 sqm secure compound with single story data center building
- flexible colocation deployments: from single rack colocation, to large colocation areas and the ability to offer low-density and high-density solutions
- ancillary spaces (offices, storages, and pre-installation rooms) available
- common areas such as meeting rooms, catering area, and showers

Cooling
- redundant water-cooled system (N+1)
- data halls utilize a free cooling system, designed for superior energy efficiency and performance
- cold air flooded room cooling design with Suite Cooling Units, rejecting the heat from the servers in the data suites into the cooling water loop
- hot aisle containment to support high densities and maximize efficiencies

Power
- single dedicated 11 kV (HV) grid connections via underground feeder from primary substation
- two separate UPS systems (A- and B-supply) with N+1 redundancy
- redundantly designed emergency power system with diesel generators N+1
- power distribution boards located in the M&E corridors separate from IT equipment
- on-site substation delivering 3 MVA of power
- maximum client IT load of 2 MW
- average power density of ~2.0 kW/sqm

Fire protection
- smoke detection early warning system (VESDA)
- double-knock fire detection
- FM200 fire suppression system located in the M&E corridors separate from IT equipment
- fire protection walls to a minimum of 60 minutes separation
- monitoring with automatic digital fire alarm system via the BMS

Security
- 24/7 Security Operations Center and Service Control Center
- redundant monitoring of all critical functions underpinned by standardized security processes and the multilevel security zone principle, secures the rental area and the technical operation
- 3 m security palisade fencing, topped with «Rota-Spikes»
- CCTV covering the external perimeter, plant areas, and data halls
- ram-raid protection to external site perimeter
- card swipe entry/exit to all doors
- preventive risk assessment as well as continuous testing and training of operating personnel

Overview of our main product offerings:

<table>
<thead>
<tr>
<th>Fully-fitted</th>
<th>Supporting products and services</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colocation Rack</td>
<td>Multi Service Interconnection Platform*</td>
</tr>
<tr>
<td>Carrier Rack</td>
<td>Cross Connect</td>
</tr>
<tr>
<td>Dedicated Cage</td>
<td>Remote Hands</td>
</tr>
</tbody>
</table>

*Enabling internet bandwidth, access to major cloud providers and connectivity between NTT data centers
Connectivity
• carrier-neutral
• carrier mix from global tier 1 supplier to regional supplier
• connectivity to the major carrier hubs in the Docklands
• diverse Carrier-Meet-Me-Rooms
• redundant cabling infrastructure with diverse paths
• Pre-Cabling to support fast Cross Connect deployments
• high-performance internet access
• inter data center connectivity between NTT data centers for geo-redundant solutions
• access to major cloud service providers such as Amazon Web Services, Microsoft Azure, and Google Cloud Platform

Technology Experience Lab
• Technology spaces: Globally available facilities in productive data centers of NTT that bring together more than 140 technology partners to enable prospects and clients to test and validate, but also innovate on the latest technologies.
• Industry communities: Today, information technologies are a key enabler to many organizations. Our industry communities help these organizations to identify relevant technology providers and connect with helpful contacts.
• Start-ups and venture capital: Many times, start-ups are major drivers when it comes to disrupting various industries. Our start-up unit brings together start-ups, corporates and venture capitalists to enable and accelerate innovation.

Additional services
• consulting, general and implementation planning for development projects
• client implementation
• installation services
• 24/7 Remote Hands services
• facility services and audit support

Global data center network
• part of the NTT family of over 160 data centers around the world
• connectivity options to the global NTT network
• access and use of Technology Experience Labs with a worldwide partner network

Service Level Agreement
• 99.99% power uptime availability
• climate control conditions in line with ASHRAE guidelines
• connectivity availability
About the Global Data Centers division of NTT Ltd.

Global Data Centers is a division of NTT Ltd. and incorporates DPA, e-shelter, Gyron, NetMagic, NTT Indonesia Nexcenter, RagingWire and other NTT Communications group data center divisions. Our combined global platform is one of the largest in the world, with over 160 data centers spanning more than 20 countries and regions including North America, Europe, Africa and APAC. As a neutral operator, we offer access to multiple cloud providers, a large variety of internet exchanges and telecommunication network providers including our own IPv6 compliant, tier 1 global IP network. Our clients benefit from tailored infrastructure and experience consistent best practices in design and operations across all of our highly reliable, scalable, and customizable data centers.

Flexible connection to data centers and clouds: 20+ countries and 500,000 sqm server space

Contact
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NTT in numbers and facts

**Expertise**
We help you to do great things.

- Over **40,000** people are working for NTT Ltd. worldwide.
- Delivering services in more than **200** countries.
- **300,000** people are part of the NTT Group.

**Technology solution**
We have a full suite of technology solutions to help you create value.
Partner
We work together with you.
We’re an extension for your business.

Intelligent
For us, intelligent means helping you to be data driven, connected, digital, and secure.

Globally
We are wherever you are, making it easier for you to focus on your core business.

120
years of heritage in the NTT Group.

Outcomes
We shape the outcomes you’re looking for.