



EMEA

# Hemel Hempstead 1 Data Center

Efficient and high-density solutions

Site brochure





## Home to the cloud

London, the capital and most populous city in the UK, has one of the largest economies in Europe. It's 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), 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, located in Hemel Hempstead, Hertfordshire, about 35km north of London, and 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 our other 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 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 require reliable services to reach local clients even faster. As the third-largest data center provider in the world, we continue to build on our well-established

foundations 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'll also ensure high-availability leveraging our years of engineering critical data centers while maintaining high levels of security to keep your infrastructure and data safe.



Infrastructure

Data center space

- 700+m<sup>2</sup> 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, storage 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

- On-site substation delivering 3MVA of power
- Maximum client IT load of 2.1MW
- Average power density of ~2.0kW/m<sup>2</sup>
- Single dedicated 11kV (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

Fire protection

- Very Early Smoke Detection Alarm Systems (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

Overview of our main product offerings:

Fully-fitted

- Colocation Rack
- Carrier Rack

- Dedicated Cage

Supporting products and services

- Multi Service Interconnection Platform\*
- Cross Connect
- Remote Hands

\*Enabling internet bandwidth, access to major cloud providers and connectivity between our data centers

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
- 3m 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

Connectivity

- Carrier- and cloud-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 our data centers for geo-redundant solutions
- Access to major cloud service providers such as Amazon Web Services, Microsoft Azure and Google Cloud Platform

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

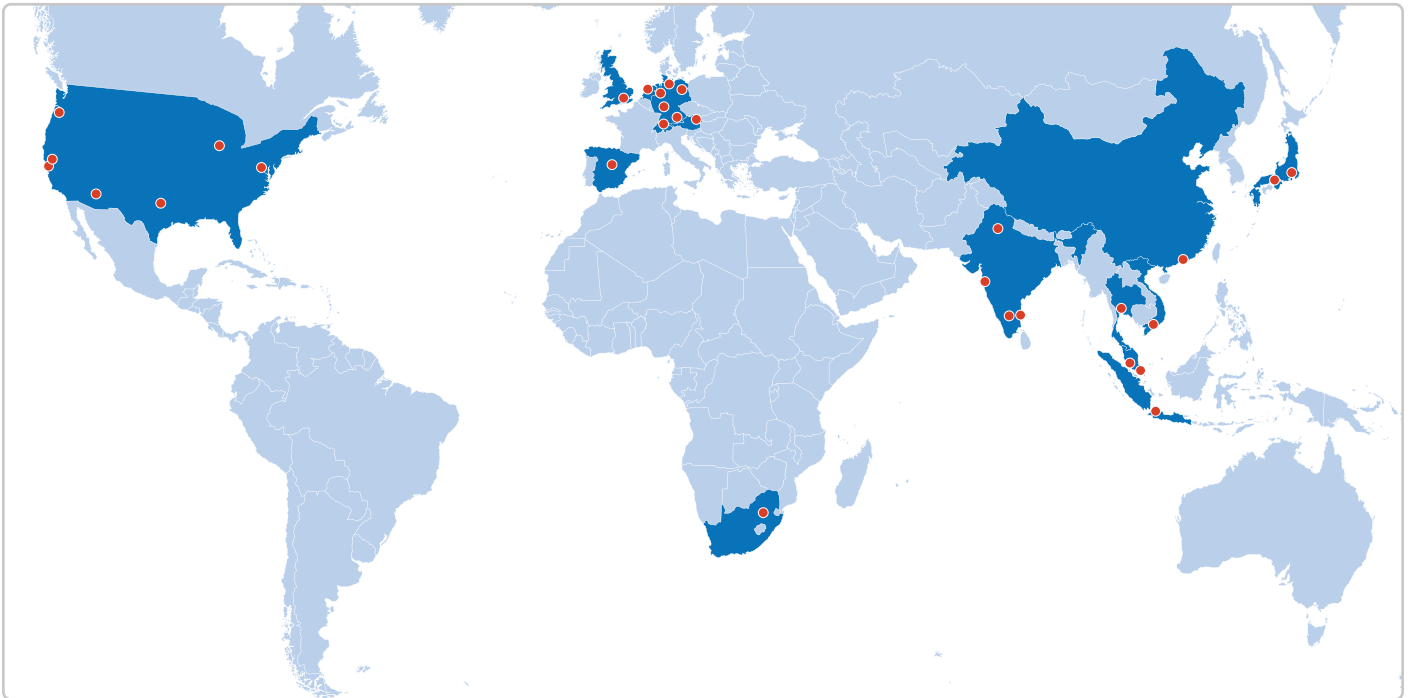
- Part of the NTT family
- Connectivity options to the global NTT network

Service level agreement

- 99.99% power uptime availability
- Climate control conditions in line with ASHRAE guidelines
- Connectivity availability



**Flexible connection to data centers and clouds: 20+ countries and 1,500+MW IT load**



## Why NTT's Global Data Centers?

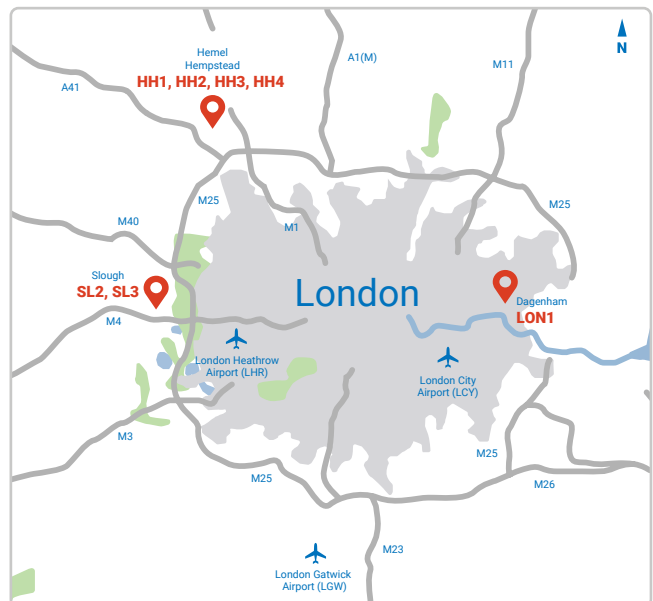
Global Data Centers is a division of NTT Ltd. Our global platform is one of the largest in the world. NTT is routinely recognized as a leader by leading analysts in the networking and data center space, spanning more than 20 countries and regions, including North America, Europe, Africa, India and APAC.

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. You benefit from tailored infrastructure and experience consistent best practices in design and operations across all of our reliable, scalable and customizable data centers. We're ready to facilitate client adoption of next-generation technologies for computing at scale, virtualization, data migration and cloud and B2B private connectivity both regionally and across the globe.

Visit us at our website [services.global.ntt](https://services.global.ntt).



## Locations



## Address and contact

## Hemel Hempstead 1 Data Center

NTT Global Data Centers UK Ltd.  
3 Centro, Boundary Way  
Hemel Hempstead, HP2 7SU  
United Kingdom

**T: +44 20 80 16-91 18**

**E: [dc.emea.sales@global.ntt](mailto:dc.emea.sales@global.ntt)**



