

Global Data Centers | Site brochure

# Hemel Hempstead 4 Data Center

High-availability space for growth and innovation



# Worldwide scale, local expertise

**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.**



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. The city boasts thousands of technology businesses and is a leading location for technological innovations such as FinTech.

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.

Our Hemel Hempstead 4 Data Center is located in Hemel Hempstead, 35km northwest of London part of the Greater London Urban Area. It 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 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 located 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, which facilitates the majority of the London Internet

Exchanges (LINXs). The data center will offer highly available, scalable data center space, with options for high power density, carrier neutrality, access to public providers, internet connectivity and on-site support.

## **A solution for every requirement**

With a total of 9,900+m<sup>2</sup> IT space and a maximum of 24MW IT load, Hemel Hempstead 4 Data Center offers complete solutions for housing your IT and network systems in a secure, high-availability environment. We provide you with the best possible physical and technical infrastructure supported by N+1 UPS systems, N+1 generator backup, as well as N+1 cooling systems. Hemel Hempstead 4 Data Center holds multiple certifications and is connected to major carrier hubs in Docklands and Slough. It is a fiber-connected campus and fully integrated with our other data center facilities allowing clients to grow and has the optimal distance to the Slough data centers and the London 1 Data Center in Dagenham for backup and disaster recovery solutions.





Secure and flexible space built to your specifications

Your requirements are essential to 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.

Overview of our main product offerings:	
Fully-fitted	Colocation Rack
	Carrier Rack
	Dedicated Cage
	Dedicated Suite
Supporting products and services	Multi Service Interconnection Platform*
	Cross Connect
	Remote Hands

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

“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.

## Infrastructure



### Data center space

- 9,900+m<sup>2</sup> of IT space
- Flexible colocation deployments: single rack colocation, cages, suites, turnkey build to suites, shell and core solutions
- Ancillary spaces (offices, storage and pre-installation rooms) available
- Common areas such as meeting rooms and catering area



### Cooling

- Primary cooling infrastructure, centrally managed and linked to BMS
- Room air conditioning units
- Regulated humidity
- 1.5m clear false ceiling void for hot-air return to Air Handling Units (AHU)
- Contained hot aisle or chimney rack design for high efficiency cooling up to 20kW per rack
- Data suite cooling system with a minimum of N+1 redundancy
- Concurrently maintainable AHUs providing fresh air pressurization and humidity control to data suites
- DX cooling to comms rooms (N+1 units per room)
- Battery room extract system for hydrogen and cold smoke
- Hot aisle containment to support high densities and maximize efficiency



### Power

- On-site substation delivering 60MVA of power
- Maximum client IT load of 24MW
- Dual dedicated 132kV (HV) grid connections (2N)
- Dedicated N+1 redundant HV substations on-site
- Minimum N+1 (UPS) with battery backup
- N+1 backup generators
- Refuelling contracts to ensure timely replacement



### Fire protection

- Physical fire protection in hosting suites and in all plant areas
- Very Early Smoke Detection Alarm system (VESDA)
- Suppression systems to technical areas
- Fire detection and suppression systems interconnected to central BMS
- Cold smoke extract system to data suites



### Security

- 24/7 on-site security
- 3.6m SEAP certified security fence with electrified topper
- Secure crash-rated vehicle trap access to loading area
- PAS68 certified anti ram-raid barriers throughout site perimeter
- Blast proof and anti-intruder shielded external windows
- Steel security doors
- External and internal IP CCTV system
- Proximity cards to authorize access levels including man trap access
- Biometric identification



### Global data center network

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

## Infrastructure



### Connectivity

- Carrier- and cloud-neutral
- Carrier-mix from global Tier 1 supplier to regional supplier
- Connectivity to the major carrier hubs in Docklands and Slough
- Pre-spliced dark fiber available on demand
- Redundant Carrier-Meet-Me-Rooms
- Redundant cabling infrastructure with diverse paths
- Pre-Cabling to support fast Cross Connect deployments
- High-performance internet accessinter data center connectivity between our data centers for geo-redundant solutions
- Multi Service Interconnection Platform to connect our clients 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 Services
- Installation Services
- 24/7 Remote Hands Services
- Facility Services
- Audit Support Services



### Service level agreement

- 99.999% power uptime availability
- Climate control conditions in line with ASHRAE guidelines
- Connectivity availability

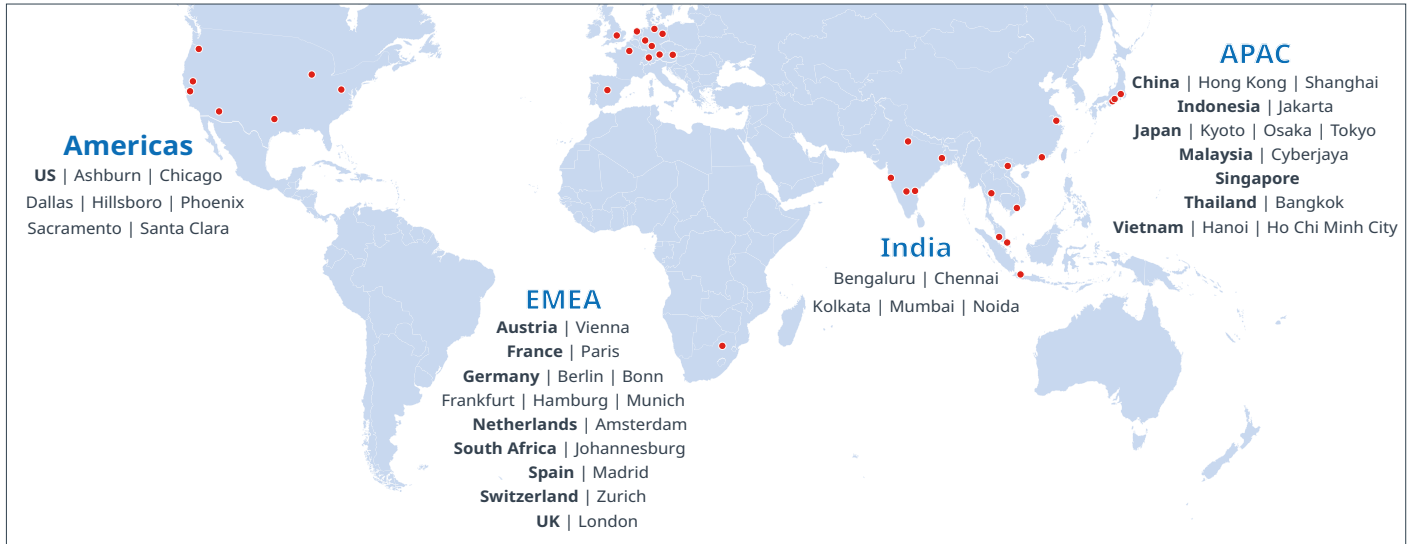


### Certifications

- ISO 9001
- ISO/IEC 27001
- ISO 22301
- ISO 50001
- ISO 45001
- ISO 14001
- PCI DSS
- ISAE 3402 Type 2 Report
- ISAE 3000 Type 2 Report

# We are where your business is

We're operating multiple data centers in 20+ countries and markets



## Hemel Hempstead 4 Data Center

NTT Global Data Centers UK Ltd.

1 Blossom Way

Hemel Hempstead, HP2 4ZB

United Kingdom

### Contact:



+44 20 80 16 91 18



dc.emea.sales@global.ntt



services.global.ntt/globaldatacenters



NTT Global Data Centers

## Learn more about Global Data Centers

Our global platform is one of the largest in the world, spanning more than 20 countries and regions, including the Americas, Asia Pacific, EMEA and India. NTT DATA is routinely recognized as a Leader by leading networking and data center analysts.

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.

NTT DATA has made a net-zero commitment in alignment with the science-based target initiative across its operations by 2030 and the whole value chain until 2040. In addition, we drive towards powering our data centers with 100% renewable energy by 2030.

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



