



EMEA

London 1 Data Center

Strong networking and cloud infrastructure

Site brochure



Home to the cloud

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 London 1 Data Center is located in Dagenham, about 20km east of London city center and 15km from the Docklands. The Docklands 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 Exchange's (LINX) infrastructure. Dagenham is also situated close to Shoreditch, which has recently become known as 'East London Tech City' or the 'Silicon Roundabout,' as many technology companies and start-ups have decided to reside in the area.

The campus offers highly available, scalable data center space, with high power density, carrier neutrality, flexible colocation spaces, cloud network access, 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 one of the leading data center providers, we continue to build on our sturdy foundation to successfully serve this vibrant data center market today and in the future.

Clients can choose flexible colocation deployments from single racks to cages and suites, or select larger shell and core building space with custom fit-outs if needed.

A solution for every requirement

With up to 12,400+m² of IT space, and a maximum IT load of 32MW, the first phase of London 1 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, generator backup, as well as highly redundant cooling systems.

London 1 holds multiple certifications and is connected to major carrier hubs and cloud networks, as well as to the LINX.



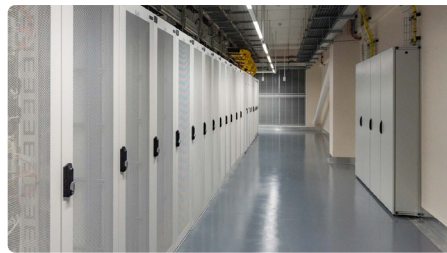
Secure and flexible space built to your specifications

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.

Overview of our main product offerings:

Fully-fitted	Colocation Rack Carrier Rack
	Dedicated Cage
	Dedicated Suite
Shell and core	Area
Supporting products and services	Multi Service Interconnection Platform
	Cross Connect
	Remote Hands

Infrastructure



Data center space

- 10 data halls with 12,400+m² of IT space
- Flexible colocation deployments: single rack colocation, cages, suites, turnkey build to suites, shell and core 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 supported by free-cooling (N+1)
- Data halls utilize a compressorless 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 80MVA of power
- Maximum client IT load of 32MW
- Average power density of 2.5kW/m²
- Power supply on 132kV level from two grid connections
- Own substation with two 132/11kV transformers 2N
- Two separate UPS systems (A- and B-supply) with N+1 redundancy
- Redundantly designed emergency power system with diesel generators N+1

Fire protection

- Very Early Smoke Detection Alarm Systems (VESDA) in the return air path
- Water mist fire suppression system activated by double-knock fire detection
- Fire protection walls to a minimum of 60 minutes separation
- Monitoring with automatic digital fire alarm system

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
- Palisade fencing supported by an additional 2.4m-high-anti-climb 358 ›weldmesh‹ fence to protect the perimeter
- CCTV covering the external perimeter, plant areas, and data halls
- Ram-raid bollard protection to BS PAS 68:2013
- 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 and dark fiber infrastructure in place connecting London 1 to Hemel Hempstead, Slough and the major carrier hubs in the Docklands
- 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 access
- Inter data center connectivity between NTT 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
- Installation services

- 24/7 Remote Hands services
- Facility services
- Audit support

Global data center network

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

Service level agreement

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



