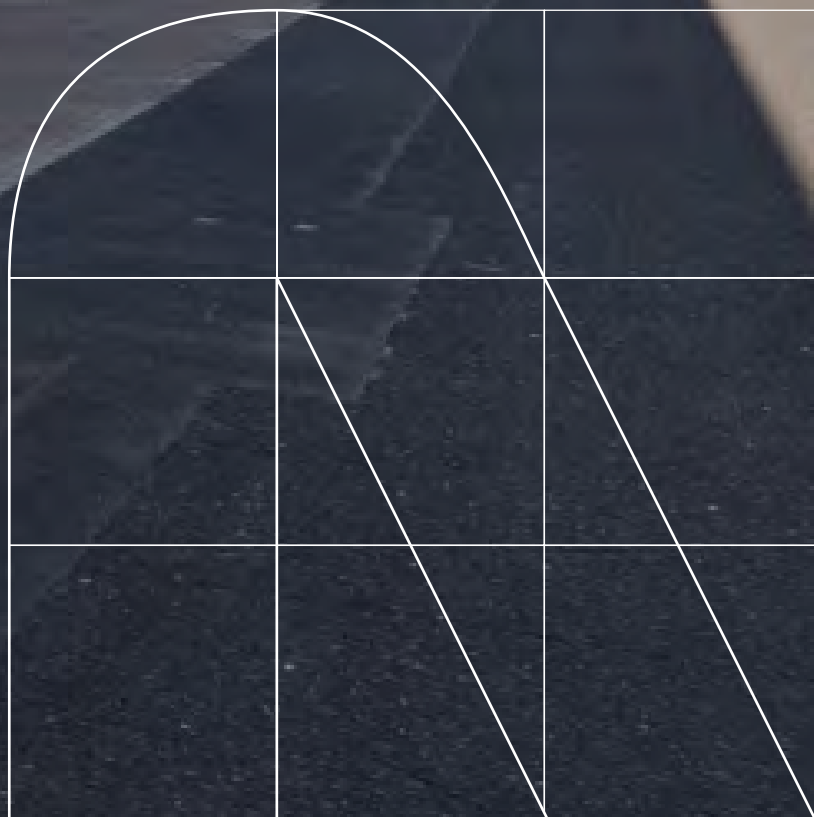


Global Data Centers | Site brochure

# Berlin 1 Data Center

Built for a connected, sustainable and digital future



# Worldwide scale, local expertise

**Berlin is Germany's capital and largest city by both area and population. The city is very well-connected with a sophisticated public transportation network and broad air and rail links.**



The economy of Berlin is growing rapidly, with an increase in GDP over the recent years. In recent years, Berlin has become known as one of Europe's top cities for start-ups, predominately in technology. Berlin is the ideal location for start-ups to thrive, with inexpensive living conditions, easily secured work visas and a culture of innovation and creativity.

Berlin is the second-largest German data center market, after Frankfurt. The market is emerging and poised for growth, with a recent increase in activity. The BCIX, Berlin Commercial Internet Exchange, resides in the city and currently has 79 members, which makes it one of the largest German internet exchange points by membership. Our Berlin 1 Data Center is situated in the administrative district of Spandau and can be easily reached from the city center. Berlin 1 offers 11,800+m<sup>2</sup> data center space in two buildings. Besides the data center space there is 4,000m<sup>2</sup> of office space available on the 40,000m<sup>2</sup> site.

## A solution for every requirement

With a total of 11,800+m<sup>2</sup> IT space and a maximum of 17.8MW, Berlin 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 2N UPS systems, N+1 generator backup, as well as highly redundant cooling systems. Berlin 1 holds multiple certifications and is connected to major carrier hubs and cloud networks, as well as to the BCIX.





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

Large companies headquartered in Berlin include **Daimler, Deutsche Bank, Sony** and **Deutsche Telekom**.

## Infrastructure



### Data center space

- 11,800+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, storages and pre-installation rooms) available
- Common areas such as meeting rooms and catering area



### Cooling

- High efficient air-cooled chiller systems integrated free-cooling and own programmed, weather-dependent cooling energy management systems
- CRAH units in the suites and technical rooms
- Concurrently maintainable AHUs providing fresh air pressurization and humidity control to data suites
- Cold aisle containment to support high densities and maximize efficiencies
- Heat recovery with heating pumps for pre-heating the emergency standby power systems



### Power

- On-site substation delivering 26MVA of power
- Maximum client IT load of 5–12MW per data center building
- Average power density of 1.25– 2.5kW/m<sup>2</sup>
- Two power supplies at 10kV level from substations N+1 each with two feeds
- Separate, dual UPS systems (A- and B-supply) with 2N redundancy per data center building
- Redundantly designed emergency power system with diesel generators N+1



### Fire protection

- Automatic digital fire alarm system on all levels with point and air aspiration detectors
- Very Early Smoke Detection Alarm system (VESDA) in the return air path
- Firefighting system based on a argon or nitrogen extinguishing gas system
- Fire protection walls to a minimum of 90 minutes separation (EI 90)



### Security

- 24/7 Security Operations Center and Operations 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 a security perimeter fence to protect the campus
- Video surveillance systems for the external perimeter, plant areas and data halls
- Ram-raid bollard protection in accordance to BS PAS 68:2013
- Card swipe entry/exit to all doors and persons separation locks per data center building
- Preventive risk assessment as well as continuous testing and training of operating personnel



### Global data center network

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



## Infrastructure



### Connectivity

- Carrier- and cloud-neutral
- Carrier-Access-Rooms per building
- Redundant Carrier-Meet-Me-Rooms
- Carrier-mix from global Tier 1 supplier to regional supplier
- Connectivity to the major carrier hubs
- Pre-spliced dark fiber available on demand
- Redundant, structural 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
- 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
- Additional Security Services



### Service level agreement

- 99.995% power uptime availability
- Connectivity availability
- Climate control conditions in line with ASHRAE guidelines



### Certifications

- ISO 9001
- ISO 27001 IT-Grundschutz
- ISO 22301
- ISO 50001
- ISO 45001
- PCI DSS
- TISAX
- §8a (3) BSIG/KRITIS
- TIA-942:2010 – annex G (building A)
- 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



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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)



