



GTM GERMANY | GLOBAL DATA CENTERS EMEA

# Berlin 1 Data Center

Complete solutions for housing your IT

Site brochure



## Home to the cloud

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. Large companies headquartered in Berlin include Daimler, Deutsche Bank, Sony and Deutsche Telekom. 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, behind 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 is NTT's third-largest site in Germany offering 13,000 sqm of data center space in building A. Building B as the second data hall will deliver additional 2,500 sqm of space and 5 MW IT load after completion in Q3 2021. Besides the data center space there is 4,000 sqm of office space available on the 40,000 sqm site.

## A solution for every requirement

With a total of 13,000 sqm IT space and a maximum of 12 MW in building A, 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. To validate hybrid cloud services and innovations faster and at lower cost, our **Technology Experience Labs** provide the perfect hosted ecosystem in a live data center environment.



## 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:

|   |  |
|---|--|
| <b>Fully-fitted</b>                     | Colocation rack                        |
|   | Carrier rack                           |
|   | Cage                                   |
| <b>Shell and core</b>                   | Suite                                  |
|   | Area                                   |
| <b>Supporting products and services</b> | Multi service interconnection platform |
|   | Cross connects                         |
|   | Remote-hands                           |

## Infrastructure



### Data center space

- 13,000 sqm 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 26 MVA of power

- maximum client IT load of 5 – 12 MW per data center building
- average power density of 1,25 – 2,5 kW/sqm
- two power supplies at 10 kV 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 Systems (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

### Security

- 24/7 Security Operations Center and Operation 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

### Connectivity

- carrier-neutral
- redundant Carrier-Meet-Me-Rooms
- Carrier Access Rooms per building
- carrier mix from global tier 1 supplier to regional supplier
- connectivity to the major carrier hubs
- pre-spliced dark fibre 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 NTT data centers for geo-redundant solutions
- multi cloud 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
- additional security services

### 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.

#### Global data center network

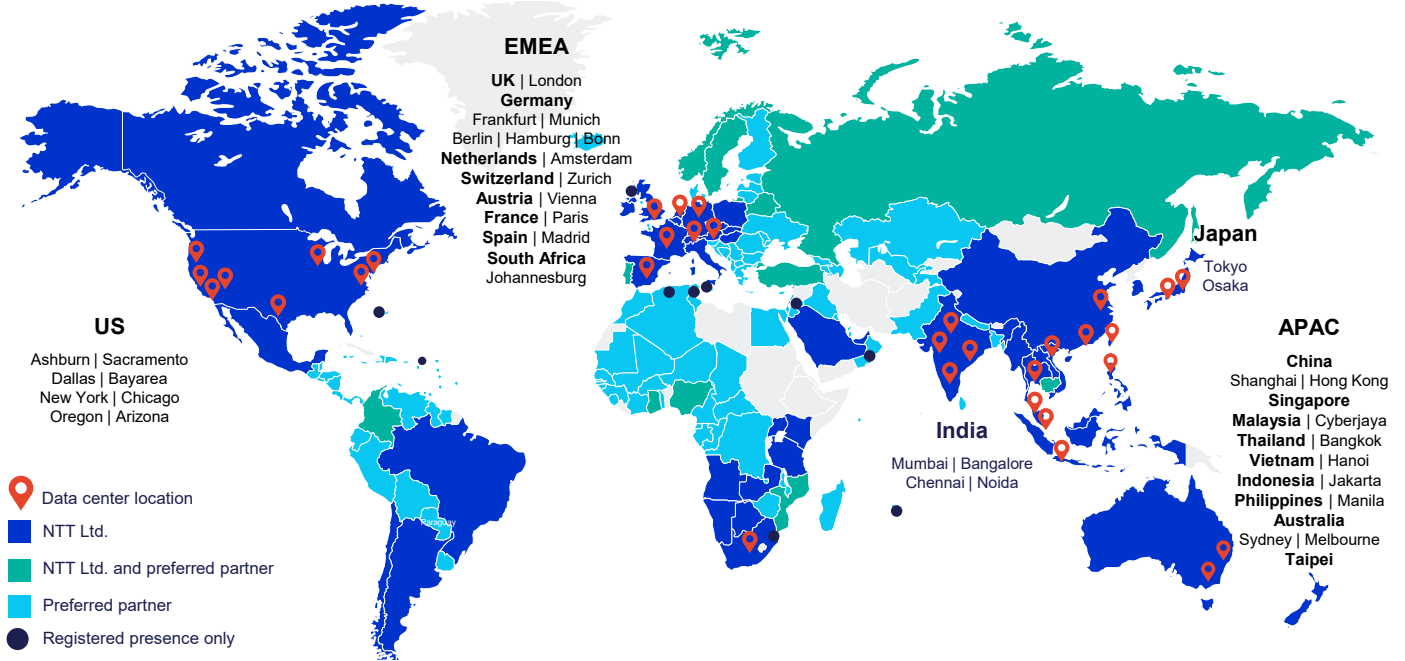
- part of the NTT family of over 160 data centers around the world
- connectivity options to the global NTT network
- access and use of Technology Experience Labs with a worldwide partner network

#### Service Level Agreement

- 99.995% power uptime availability
- climate control conditions in line with ASHRAE guidelines
- connectivity availability



**Flexible connection to data centers and clouds: 20+ countries and 450,000 sqm server space**



**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.



**Locations in Berlin**



**Contact**

Berlin 1 Data Center  
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 13599 Berlin  
 Germany

# 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.



5

regions



## 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.

