



EMEA

# Hamburg 1 Data Center

Fulfilled requirements for high availability

Site brochure





## Home to the cloud

Hamburg is the second-largest city in Germany. The city has one of Germany's most significant economic centers, home to Europe's third-largest port and a highly important financial sector. Germany's oldest stock exchange and merchant bank, Berenberg Bank, both reside in the city. Hamburg has a very well-established media industry, with major regional broadcaster NDR, publishing firms Gruner + Jahr and Axel Springer AG, and newspapers 'Der Spiegel' and 'Die Zeit' based in the city. A budding technology industry is emerging in Hamburg, with many start-ups forming. There is also a large amount of established technology companies who have a base in Hamburg such as Adobe Systems, Facebook, Google, Microsoft and Twitter.

In Hamburg, we operate a colocation center with a total of 1,100+m<sup>2</sup> of high availability data center space. Together with Frankfurt 2 and Munich 1, it's one of our three smaller data centers, which fulfils all the requirements of high availability.

## A solution for every requirement

With up to 1,100+m<sup>2</sup> of IT space, and about an IT load of 0.8MW Hamburg 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. Hamburg 1 holds multiple certifications such as ISO 9001 and is connected to major carrier hubs and cloud networks.

## 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.

## Infrastructure

### Data center space

- 1,100+m<sup>2</sup> of IT space
- Flexible colocation deployments: single rack colocation, cages, suites
- 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)
- Cold air supply from »bottom to top« via raised floor
- Star-shaped chilled water pipes to CRAC units with redundant pumps

### Power

- On-site substation delivering 1.6MVA of power
- Maximum client IT load of 0.8MW
- Average power density of 1.0kW/m<sup>2</sup>
- Own medium-voltage feed from the European grid via local power supplier (2 x 800kVA transformer station)
- UPS N+1 redundant with bridging time minimum 15 minutes battery at full load
- Emergency generators (1 x 1,400kVA) fuel storage for 48 hours

Fire protection

- Monitoring with automatic digital fire alarm system
- Smoke detection early warning system (VESDA) in the return air path
- Mobile gas extinguishing systems and hand-held fire extinguishers for first firefighting actions
- Fire protection walls with fire resistance 90 minutes

Security

- Service Operation Center for security and operation with 24/7 fallback to Berlin 1
- Redundant monitoring of all critical functions underpinned by standardized security
- Video surveillance systems for the external building facade and internal areas
- 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- and cloud-neutral
- Carrier mix from global Tier 1 supplier to regional supplier
- Redundant cabling infrastructure with diverse paths
- High-performance internet access

Additional services

- Consulting, general and implementation planning for development projects
- Client implementation
- Installation services
- Remote Hands services provided by the technical infrastructure on-call service
- Facility services

Global data center network

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

Overview of our main product offerings:

Fully-fitted

Colocation Rack  
Carrier Rack

Dedicated Cage

Dedicated Suite

Supporting products and services

Internet Connect

Cross Connect

Remote Hands

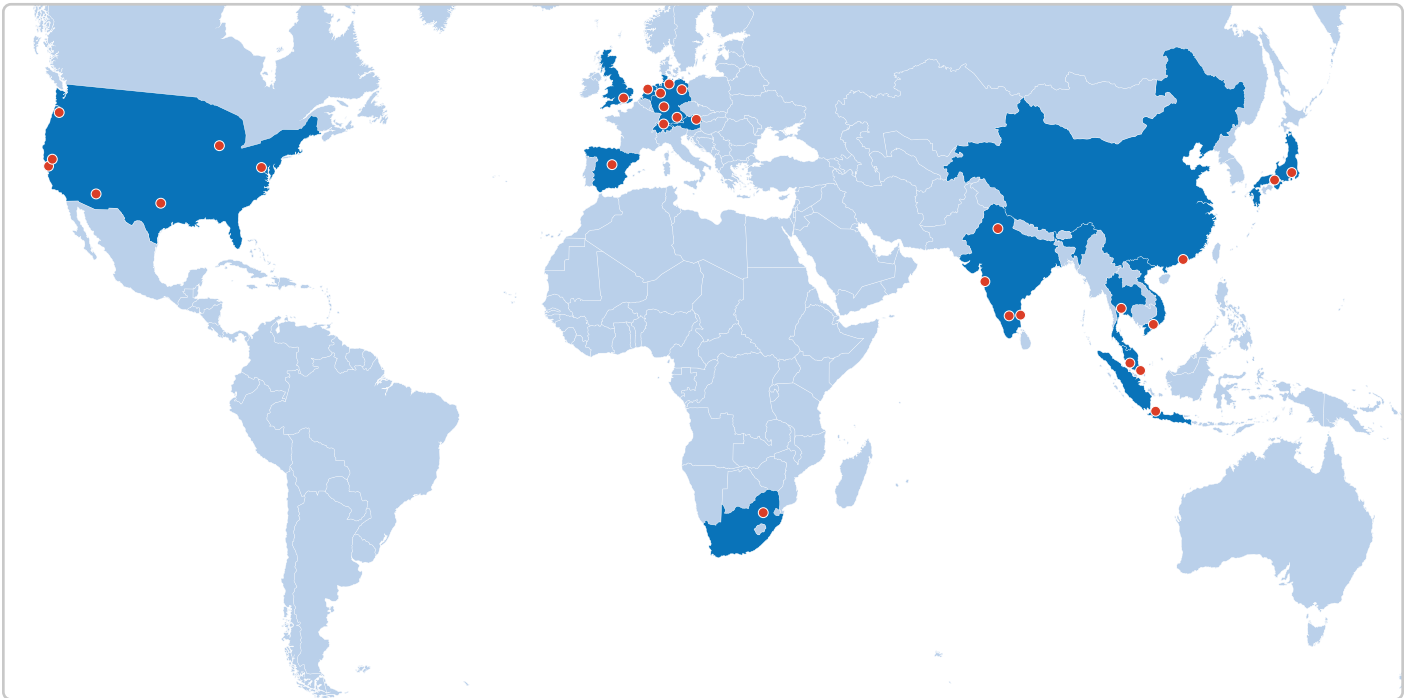


Service level agreement

- 99.95% 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).



## Location



## Contact and address

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