NTT

EMEA

Vienna 1
Data Center

Scalable, safe and innovative

Site brochure

Home to the cloud

Vienna is the capital and most populated city of Austria, and it holds the cultural, economic and political center of the country. The Austrian region with the highest GDP is Vienna, and the city is one of the wealthiest in the EU. Vienna has an important financial district, where the Vienna Stock Exchange, one of the world's oldest exchanges, resides. Vienna is often used as a gateway to Eastern Europe, as many international companies have their Eastern European headquarters in the city, including Hewlett Packard, Henkel, Baxalta and Siemens. The Viennese sector for ICT is among Europe's largest and Vienna is starting to establish itself as a start-up hub. The Vienna Internet Exchange, VIX, resides in the city, which is the largest internet exchange point in Austria.

Vienna 1 Data Center is our eighth data center in total, but our first data center in Austria. It is situated in the south-west of the Vienna city center in the tenth district, about 6km distance to Vienna city center and about 20km distance to the Vienna International Airport.
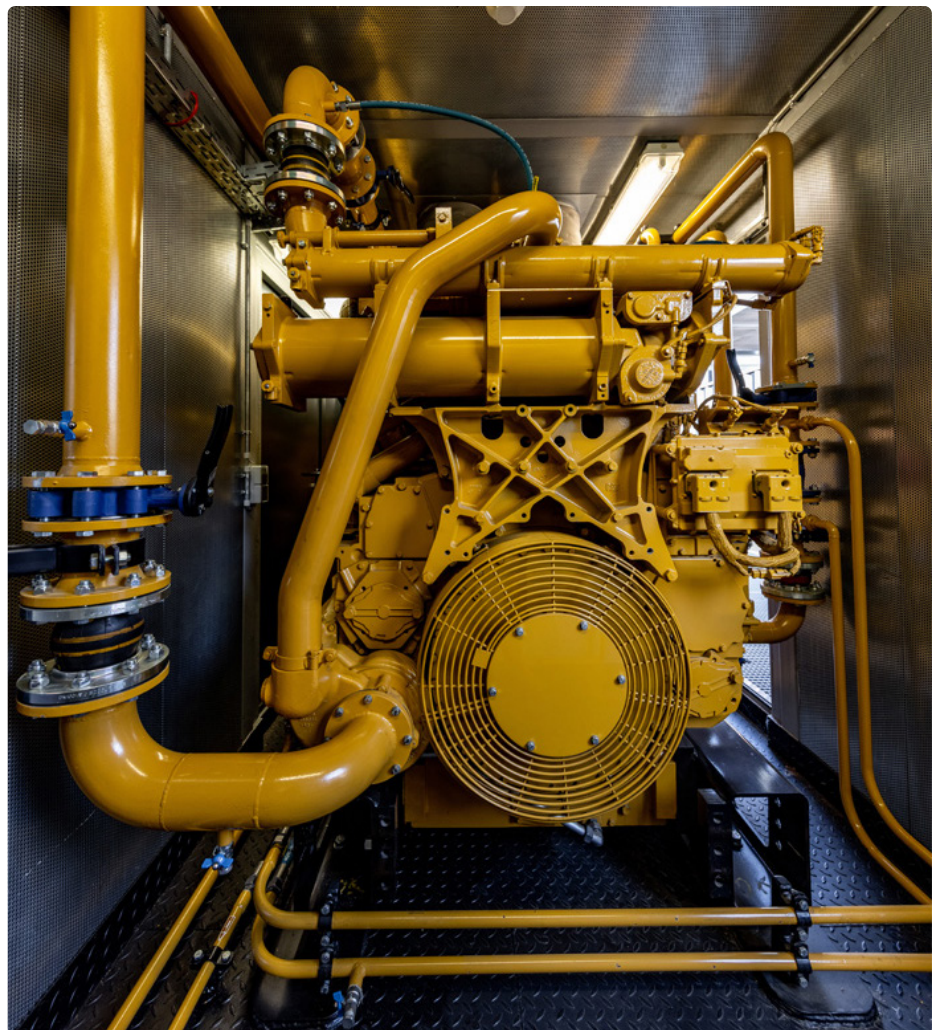
A total of 8,800+m² of data center space will be created in three construction phases on a site measuring almost 29,000m² with about 24,000m² of gross floor space. The components are each dedicated new data center buildings and today offer around 5,800m² of IT space in two buildings (building A and B).

A further construction phase (building C) is currently under construction and will offer a further 3,000+m² of IT space in Q4 2022.

A solution for every requirement

With a total of 8,800+m² IT space and a maximum of 15.2MW, Vienna 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. Vienna 1 Data Center holds multiple certifications and is connected to major carrier hubs and cloud networks, as well as to the VIX.

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

- 5,800m² of IT space in building A and B (another 3,000+m² in final construction with building C)
- 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

- Peripheral ventilation and de-ventilation systems with energy-optimized operating points (rotation speed control, humidity-dependent control etc.)
- Peripheral humidifying and dehumidifying systems with low energy expenditure managing the humidity of IT areas
- Use of free cooling provides direct cooling without any cooling machines up to an external temperature of 16 degrees Celsius
- Heat recovery for heating (pre-heating) the emergency standby power system, use of rainwater and chemical-free hot-water treatment of all air-conditioning units

Power

- On-site substation delivering 20MVA of power
- Maximum client IT load of 15.2MW (once fully built out)
- Average power density of 1.8 – 2.0kW/m²
- Power supply at 10kV medium voltage level from two separate feeds from different substations
- Two separate UPS systems (A- and B-supply) with 2N 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
- Fire extinguishing system in building A based on an argon extinguishing system and in building B supported by carbon dioxide
- Fire protection walls to fire resistance class F90
- Monitoring with automatic digital fire alarm system

Security

- Connected to 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
- 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
- Redundant Carrier-Access-Rooms
- Redundant Carrier-Meet-Me-Rooms
- Connectivity to the major carrier hubs
- Pre-spliced dark fiber available on demand
- 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
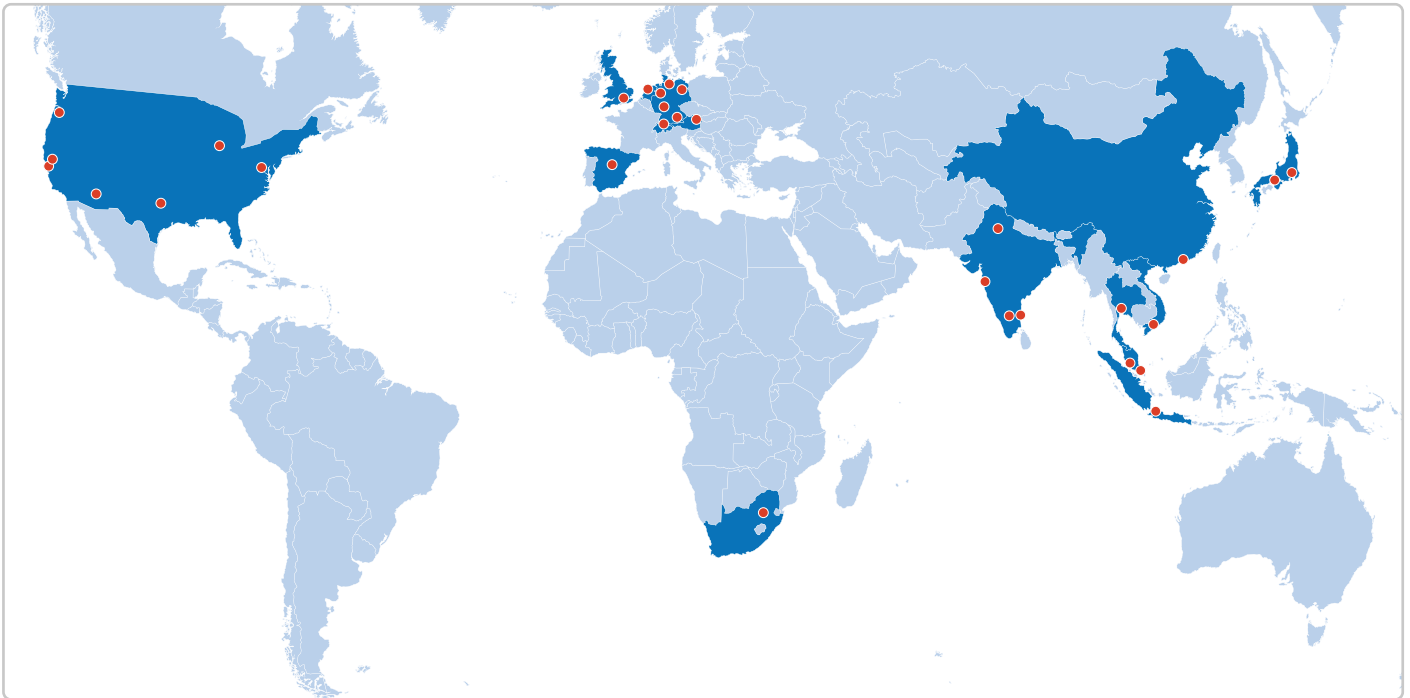- Facility services
- Audit support

Global data center network
- Part of the NTT family
- Connectivity options to the global NTT network

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

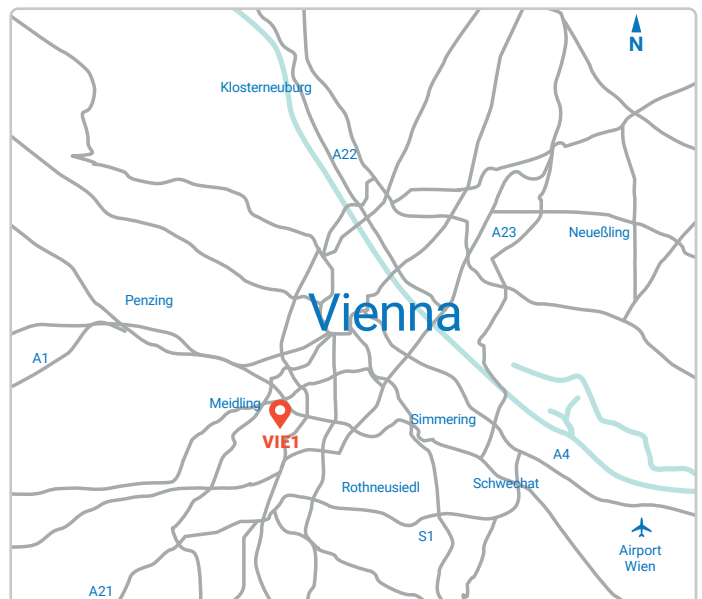# Flexible connection to data centers and clouds: 20+ countries and 1,500+MW IT load

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**.

Location

Address and contact

Vienna 1 Data Center
NTT Global Data Centers EMEA AT GmbH
Computerstrasse 4
1100 Vienna
Austria

T: +43 16 61 68–68 00
E: dc.emea.sales@global.ntt