



GTM AUSTRIA | GLOBAL DATA CENTERS EMEA

# Vienna 1 Data Center

Scalable, safe and innovative

Site brochure



## Home to the cloud

Vienna is the capital and most populous 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 resides in the city, which is the largest internet exchange point in Austria.

Vienna 1 is our eighth data center and the first NTT data center in Austria. It is situated in the south-west of the Vienna city center in the tenth district, about 6 km distance to Vienna city center and about 20 km distance to the Vienna International Airport. A total of 8,400 sqm of data center space will be created in three construction phases on a site measuring almost 29,000 sqm with about 24,000 sqm of gross floor space.

The building is a dedicated new data center construction and offers today about 5,600 sqm data center space in two buildings. One further building stage (building C) will be developed at a later date. Additionally, the Vienna 1 Data Center offers 1,000 sqm well equipped office and conference space as well as a

large reception and meeting area which may be used for events. Since June 2015, the first building of our Vienna 1 Data Center is in operation and building B opened in November 2019.

## A solution for every requirement

With a total of 8,400 sqm IT space and a maximum of 15 MW, 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. VIE1 holds multiple certifications and is connected to major carrier hubs and cloud networks, as well as to the VIX. 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

- 5,600 sqm of IT space in building A and B (8,400 sqm once fully built out)
- 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 20 MVA of power
- maximum client IT load of 15 MW (once fully built out)
- average power density of 2.0 kW/sqm
- power supply at 10 kV 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

- smoke detection early warning system (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 2.4-m-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-neutral
- carrier mix from global tier 1 supplier to regional supplier
- connectivity to the major carrier hubs
- 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 DC 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

### 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.

- client implementation
- installation services
- 24/7 remote-hands services
- facility services
- audit support

- access and use of Technology Experience Labs with a worldwide partner network

### Service Level Agreement

- 99.999% power uptime availability
- climate control conditions in line with ASHRAE guidelines
- connectivity availability

### Global data center network

- part of the NTT family of over 160 data centers around the world
- connectivity options to the global NTT network



## Location in Vienna

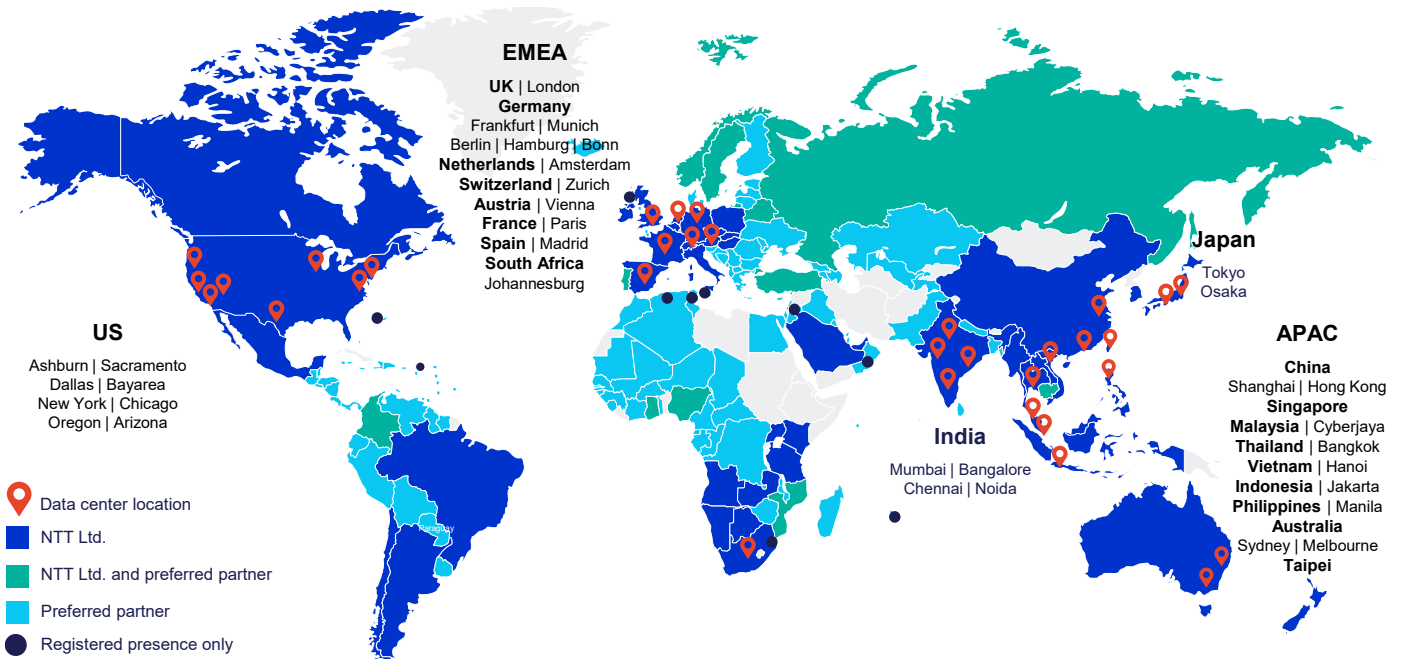


## About the Global Data Centers division of NTT Ltd.

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.



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



# 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.



**Contact**

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