NTT DATA

Global Data Centers | Site brochure

Zurich 1 Data Center

Home of AI and cloud computing

Worldwide scale, local expertise

Zurich is the largest city in Switzerland and is home to one of the world's largest financial centers. The majority of Swiss bank headquarters are in Zurich, and a large number of foreign banks are present in the area.
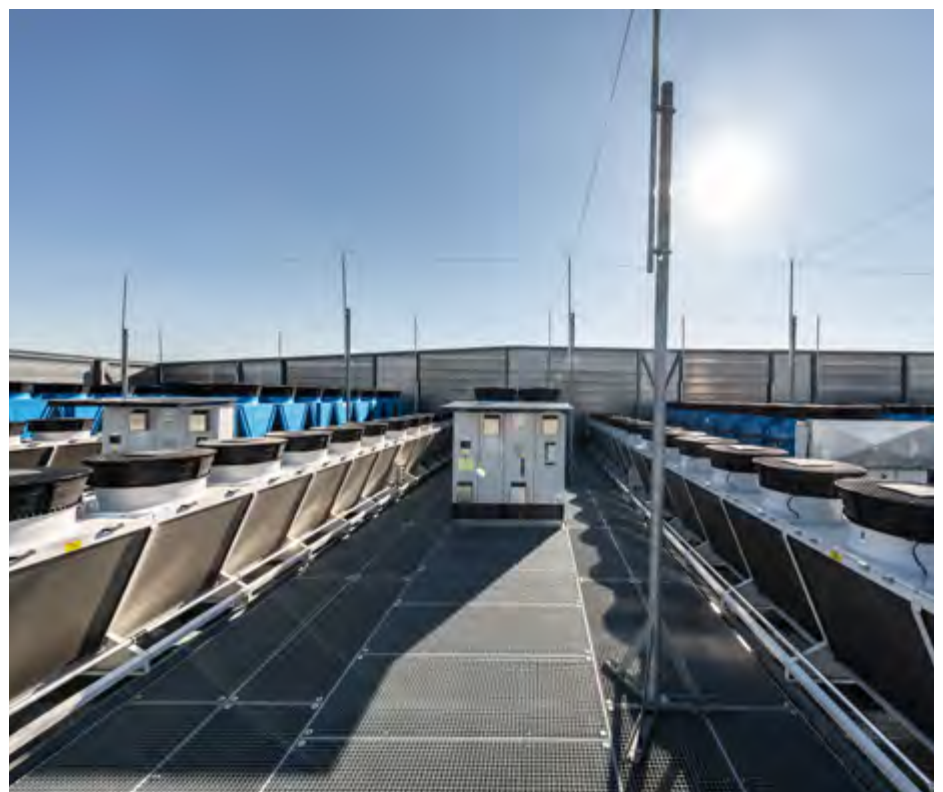

The Swiss Stock Exchange, located in Zurich, is one of the world's most prominent stock exchanges. Many of Switzerland's largest companies are headquartered in Zurich, such as ABB, UBS, Credit Suisse, Swiss Re and Zurich Financial Services. Zurich is also a major hub for ICT in Europe, major technology companies like Google, Microsoft, IBM, Apple and Huawei all have a base in Zurich. The city is also a leader of innovation that is emerging as a thriving start-up location.

Our first data center in Switzerland, which opened in June 2011, is located in Ruemlang near Zurich Airport. The building, consisting of two parts, has about 10,800+m² of high availability data center space. In this building, which has been planned and equipped solely for use as a data center, state-of-the-art technology is being used to increase energy efficiency, in particular cooling technology. For example, CO_2 high-temperature heating pumps are being used to heat the large office and other spaces outside the data center and collected rainwater will be used to supply the rest rooms.

A solution for every requirement

With a total of 10,800+m² IT space and a maximum of 30MVA on 16kV level, Zurich 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 for each data center building.

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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.

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

" Zurich 1 holds multiple certifications and is **connected to major carrier hubs and cloud networks**, as well as to the SwissIX.

Infrastructure

Data center space

- 10,800+m^2 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 in building B
- Common areas such as meeting rooms, and catering area
- Seperated and independent technical areas per data center building

Cooling

- High efficient chiller systems with free-cooling integrated or separated recoolers and own-programmed, weather-dependent energy management systems
- Peripheral ventilation and deventilation systems with energyoptimized operating points (rotation speed control, humidity-dependent control etc.)
- CRAH units in the suites and technical rooms
- Peripheral humidifying and dehumidifying systems with low energy expenditure managing the humidity of IT areas
- Cooling and cold water loops with redundant pumps, FU controlled
- Heat recovery with heating pumps for pre-heating the emergency standby power systems and offices

Power

- Two independent off-site substation feeds max. 30MVA of power
- Maximum client IT load of 20.1MW
- Average power density of 1.5 – 2.5kW/m^2
- Power supply at 16kV medium voltage level from two separate feeds from different substations
- 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 an 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
- Card swipe entry/exit to all doors
- 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
- Redundant 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, as well as to the SwissIX
- 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 NTT DATA 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

- 99.999% power uptime availability
- Connectivity availability
- Climate control conditions in line with ASHRAE guidelines
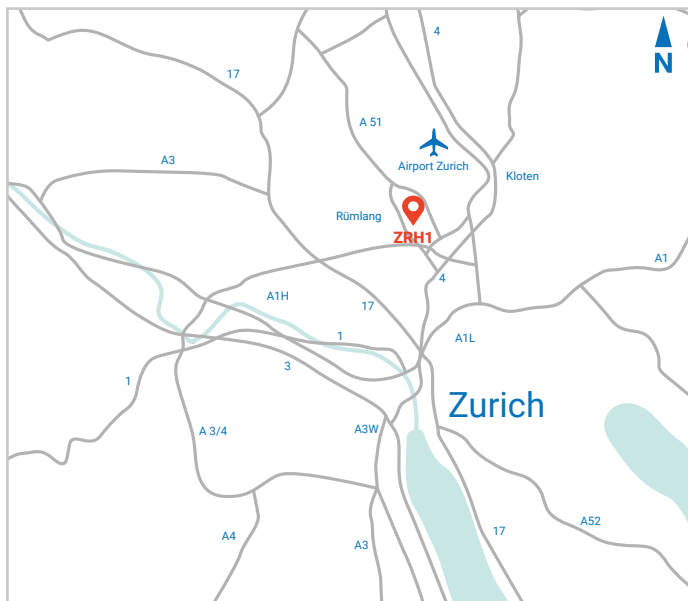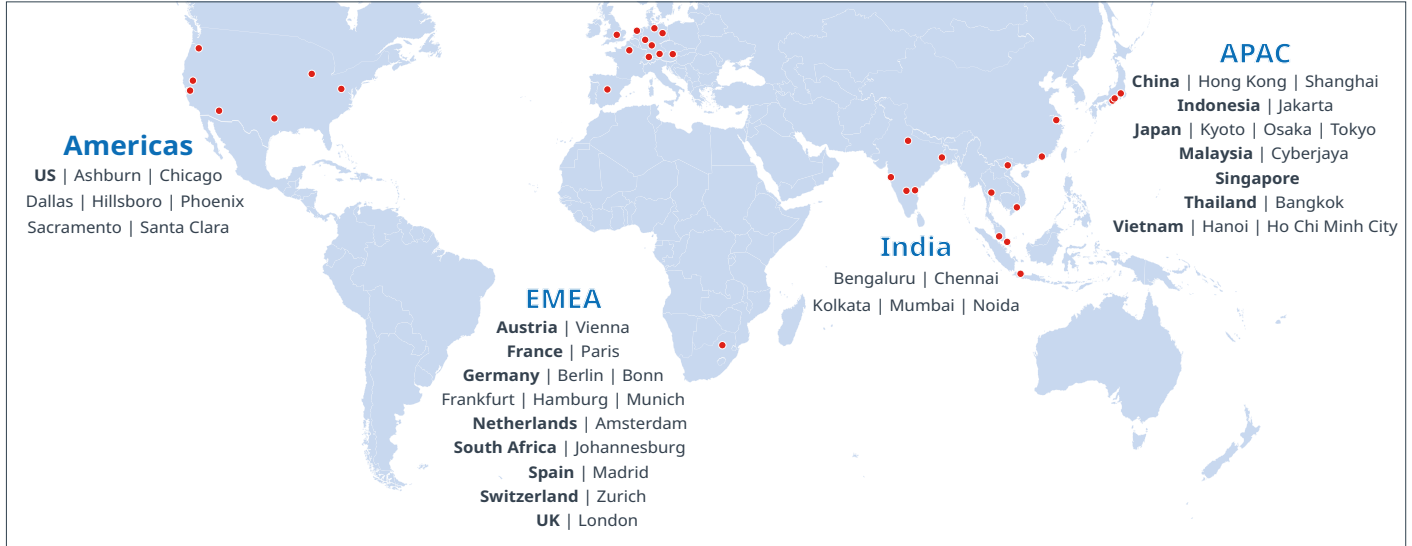
Certifications

- ISO 9001
- ISO 27001 IT-GS (BSI)
- ISO 22301
- ISO 50001
- ISO 45001
- PCI DSS
- EN 50600
- TIA-942:2010 - Annex G (building A)
- ISAE 3402 Type 2 Report
- ISAE 3000 Type 2 Report
- FINMA

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Thailand | Bangkok
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in 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**

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