Global Data Centers | Site brochure

Zurich 1 Data Center
Home of AI and cloud computing
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, CO₂ 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.
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:

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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+m² 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
- Separated 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

**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
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