green Datacenter

Zurich-West 3

High-Density data center with high performance

New building with over 3,600 square meters of data center floor space

- In the Zurich–Bern–Basel economic triangle
- Close to a freeway exit and train station
- Located 30 km / 30 minutes from Zurich
- Building designed and built as a data center
- Around 40 carriers
- Multiple independent fiber-optic feeder cables
- Additional land available for fourth data center

Building

- Data center size: 3,600 m² of high-density space with up to 25 kW/rack
- Colocation racks, data center cages and suites starting at 20 m²
- Complete FSA building (facility service area) with rest room, catering area, meeting rooms, room for minor repairs and cloakrooms
- Storage areas and rooms for customers
- Office workspace, exclusively for the use of data center customers and their employees
- Deliveries: truck security portal, double delivery ramp, 6-ton transport elevator for normal deliveries and additional transport elevator for large deliveries up to 12 tons
- Doors with a height of 3.10 m to enable efficient deliveries of racks of all sizes

Optional services

- Remote Hands
- Smart Hands
- Cross-Connects
- Deployments
- Reports
- Cleaning and waste disposal up to and including certified data disposal

Security

- Video surveillance
- 24/365 operation with security staff, technicians and customer contact
- Separate access points for individuals and equipment
- Secure waiting room for deliveries
- State-of-the-art access protection with a guard house and 8 security zones
- Access control with a badge and PIN code as well as a man trap system that uses biometric identification
- Early fire detection system (VESDA), redundant extinguishing system

Infrastructure

- Dedicated redundant power utility from two different substations (capacity of 40 MW).
- Dedicated infrastructure option from 2 megawatts upwards
- Several diesel generators, redundant UPS system, generator operation of to 48 hours, refillable at all times*
- Redundant cooling systems and cooling water piping
- Cold aisle principle for maximum energy efficiency (PUE of 1.19)

* According to the Uptime Institute Owners Advisory Committee, Tier-defined data centers should have a minimum of twelve hours of on-site fuel storage. The Tier standard: The topology requires a minimum of twelve hours of on-site fuel storage for all Tiers to achieve a runtime of 12 hours at “N” load while meeting the facility’s stated topology objective. In other words: Fuel storage must be sufficient enough to support the data center’s design load while working on motor generators for a period of 12 hours and still meeting the Concurrently Maintainable or Fault Tolerant objective. Exceeding the 12-hour minimum is an operational sustainability issue that requires careful analysis of the risks to the data center energy supply.

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