

Technical Sheet

Address

Via Cantonale - 6928 Manno - Lugano - Switzerland

Structure

Reinforced concrete - Certified with anti-seismic SIA regulations, class 2

Civil/natural/industrial risks

The area is not subject to specific risks

Accessibility

Private road accessible to vehicles up to 40t

Parking

Owned

Classification

Tier-III

Uptime

Target 99,982%

Dimensions

1'200 sqm Data Center - 1'400 sqm technical rooms

Expected number of Racks

DC1: 104 racks - DC2: 108 racks - DC3: 38 racks - DC4: 65 racks

Dimensions of Racks

H 200 cm x L 60 o 80 cm - 42U o 21U

Position

Cabinets arranged in rows to create a cold corridor with a single air volume

Cooling

Machines with free-cooling battery and compressor, cooled with ground water (N+1)

Collection concession

2 redundant wells with a concession of 1'800 liters/min - temp. 12°C/15°C

Redundancies

Evaporative tower with adiabatic process of 1'500 kWf to compensate the lack of ground water

Power

Electrical cabinet with medium voltage of 16'000 V connected to 4 transformers of 1MW each

Distribution

Double separated lines A and B

UPS

2 groups of 3 UPS of 300 kVA each (N+1)

Generators

3 Diesel generators of 900 kVA each (N+1)

Fire detection

Dual sensor detection

Fire extinction

Multi-area extinction system with Inergen inert gas

Alarms

Double connection (ADSL + 4G) to the emergency office

Access

H24 biometric access and RFID tags containing the credentials

Security

Video-surveillance 24/7 with registration from motion detection

Optic Fiber Inputs

2 entrances with separate paths

Certified

TÜV certification UNI EN ISO 9001:2015 - UNI EN ISO/IEC 27001:2017

Carrier

Colt - UPC Cablecom - Swisscom - Sunrise - Lumen - IP-Max