

Technical specifications

Global Cloud Data Center (IT3) - DC-C

CUSTOMIZED DATA CENTER SOLUTIONS JUST OUTSIDE MILAN

General

- Total surface area: 13,910 m²
Data hall surface area: 5,950 m²
Number of independent data rooms: 8
Number of floors rooms distributed over: 2
- ✓ Secure location in terms of earthquakes
 - ✓ Secure location in terms of hydro-geological risks

Structure

- Height of the data hall: 3.5 m
Height of upper plenum: 1.95 m
Height of lower plenum: 1.95 m
Load capacity of the floating floor: 2.000 kg/m² (distributed load)
- 1.000 kg/m² (concentrated load in one place)
External firewalls: REI 240
Internal firewalls: REI 120
- ✓ Double insulation
 - ✓ Double loading bay

Certification and compliance

- ✓ ANSI/TIA 942-B-2017 Rating 4 (formerly Tier 4)*
- ✓ GO - Guarantee of Energy Origin (100% renewable)
- ✓ Code of Conduct for Data Center Energy Efficiency
- ✓ ISO 9001 - Quality of services offered
- ✓ ISO 14001 - Environmental management system
- ✓ ISO 27001 - IT security
- ✓ ISO 50001 - Energy management system

*Certification process underway

Services

- Colocation solutions: rack portions; dedicated racks; cage; dedicated rooms
Power per rack: up to 40kW
IT power individual room: 1 MW (powered by 2 redundant modules)
- ✓ 24h Smart hands
 - ✓ 24h Remote hands&eyes
 - ✓ Shared warehouses, or dedicated to individual clients
 - ✓ Shared offices, or dedicated to individual clients

Connectivity

- Point of entrance: 4
Entrance Room: 2
Main Distribution Area (MDA): 2
- ✓ Carrier neutral data center
 - ✓ Provision of managed connectivity

Energy

- Connection points to utilities: 1
Total power: 8 MW IT 2N (redundant)
UPS redundancy: 2N+1
UPS type: double conversion static
Individual UPS power: 500kVA
UPS run time: 15 minutes at full power on single module in emergency conditions - 40 minutes in standard conditions
Generator redundancy: 2N
Generator type: diesel generator units
Full load run time: 26h in emergency conditions, 52h in standard conditions

Cooling

- Cooling type: Chilled water - water to water - water to air system
Normal mode: Ground water cooling system
Redundancy of heat exchangers: 2N
Groundwater extraction wells: 5
Emergency mode: air/water chiller
CRAH redundancy: 2N

Security

- ✓ CCTV
- ✓ 24/7/365 security
- ✓ Separate parking for employees/visitors
- ✓ Vehicle bollards
- ✓ Separate entrance gates for visitors/goods
- ✓ Mantrap for visitors and goods with anti-tailgating and anti-piggybacking systems
- ✓ Network Operations Center (NOC)
- ✓ Security Operations Center (SOC)
- ✓ Facility Operations Center (FOC)
- ✓ Building Management System (BMS)

Fire prevention

- Air replacement: 2vol/h
Extinguishing system: inert gas
Extinguishing gas: IG-541
Redundancy of extinguishing cylinders: 2N
- ✓ Highly sensitive smoke detection system
 - ✓ Liquid loss detection system
 - ✓ Fire detection and extinguishing system in each single module
 - ✓ Standalone system on every generator unit



Global Cloud Data Center (IT3)

Via San Clemente, 53 - 24036 Ponte San Pietro (BG)

Main nearby airports

Orio al Serio (BGY): 15 min
Linate (LIN): 40 min
Malpensa (MXP): 1h

Nearby railway stations

Ponte S. Pietro: 5 min
Bergamo: 20 min
Milano centrale: 50 min

Nearby motorway exits

Bergamo (A4): 10 min
Dalmine (A4): 10 min

Estimated average time by car.

