

Global Cloud Data Center (IT3) - DC-A

CUSTOMIZED DATA CENTER SOLUTIONS JUST OUTSIDE MILAN

General

Total surface area: 17.600 m²
 Data hall surface area: 8.050 m²
 Number of independent data rooms: 10

- ✓ Secure location in terms of earthquakes
- ✓ Secure location in terms of hydro-geological risks

Building

Height of the data hall: 3.5 m
 Height of upper plenum: 2.5 m
 Height of lower plenum: 2 m
 Load capacity of the floating floor : 2.000kg/m²(distributed load) - 1.000 kg/m² (concentrated load in one place)
 External firewalls: REI 240
 Internal firewalls: REI 120

- ✓ Double insulation with defrost system
- ✓ Double loading bay

Certification and compliance

- ✓ ANSI/TIA 942-B-2017 Rating 4 (formerly Tier 4)
- ✓ GO - Guarantee of Energy Origin (100% renewable)
- ✓ ISO 9001 - Quality of services offered
- ✓ ISO 14001 - Environmental management system
- ✓ ISO 27001 - IT security
- ✓ ISO 50001 - Energy management system
- ✓ ISO/IEC 27017 – Cloud security controls
- ✓ ISO/IEC 27018 – Managing personal data on the Cloud
- ✓ ISO/IEC 27035 – Managing security incidents and events

Services

Colocation solutions: rack portions; dedicated racks; cage; dedicated rooms
 Power per rack: up to 40kW
 IT power individual room: 1.5 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
- ✓ Dual transmission system to Milan Internet eXchange (MIX)

Energy

Connection points to utilities: 2
 Total power: 12 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: Geothermal 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.

