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Technical specifications

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
- ✓ Code of Conduct for Data Center Energy Efficiency
- ✓ ISO 9001 - Quality of services offered
- ✓ ISO 14001 - Environmental management system
- ✓ ISO 22237 - Data centre facilities and infrastructure
- ✓ 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: 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.



