

# Technical specifications

## Global Cloud Data Center (IT3) - DC-B

CUSTOMIZED DATA CENTER SOLUTIONS JUST OUTSIDE MILAN

### General

Total surface area: 17.110 m<sup>2</sup>  
 Data hall surface area: 4.950 m<sup>2</sup>  
 Number of independent data rooms: 3

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

### Structure

Height of the data hall: 3.8 m  
 Height of upper plenum: 2.05 m  
 Height of lower plenum: 1.95 m  
 Load capacity of the floating floor: 2.000 kg/m<sup>2</sup> (distributed load) - 1.000 kg/m<sup>2</sup> (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 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: 3 MW (powered by 3 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: 9 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.*

