

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

### CUSTOMIZED DATA CENTER SOLUTIONS JUST OUTSIDE MILAN

#### General

Total surface area: 17.500 m<sup>2</sup>  
 Data hall surface area: 10.000 m<sup>2</sup>  
 Number of independent data rooms: 10

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

#### Structure

Height of the data hall: 3.5m  
 Height of upper chamber: 3m  
 Height of lower chamber: 2m  
 Capacity of the floating floor: 2,000kg/m<sup>2</sup>  
 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: 1MW (standard) - 1.5MW (maximum)

- ✓ 24h Smart hands&eyes
- ✓ 24h systems management
- ✓ 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 (redundant)  
 UPS redundancy: 2N+1  
 UPS type: double conversion static  
 Individual UPS power: 500kVA  
 UPS run time: 30 minutes (standard) - 15 minutes (minimum)  
 Generator redundancy: 2N  
 Generator type: diesel generator units  
 Full load run time: 48h without refueling

#### Cooling

Cooling type: Chilled water  
 Normal mode: Geothermal system  
 Redundancy of heat exchangers: 2N  
 Groundwater extraction wells: 4  
 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-piggy-backing systems
- ✓ Network Operations Center (NOC)
- ✓ Security Operations Center (SOC)
- ✓ 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 tollbooths

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

*Estimated average time by car.*

