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HYPER CLOUD DATA CENTER (IT4)

ROME'S NEW BENCHMARK FOR THE PRIVATE SECTOR AND PUBLIC AUTHORITIES

General

Total surface area: 74,000 m²
Area dedicated to data rooms: 15,000 m²
Number of data center buildings: 5

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

Building

Usable height of the data hall: 3,5 m
Height of upper chamber: 1,45 m
Height of lower chamber: 1,95 m
Capacity of the floating floor: 2.000 kg/m²
External firewalls: REI 240
Internal firewalls: REI 120

Certifications 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 – Management of personal data on the Cloud
- ✓ ISO/IEC 27035 - Management of security incidents and events

Reference standards for certification and compliance.

Services

Colocation solutions: rack portions; dedicated racks; cages;
dedicated rooms from 125 m² to 1,000 m²
Power per rack: up to 40kW
IT power per room: 2 MW

- ✓ 24/7 Smart hands&eyes
- ✓ 24/7 Systems management
- ✓ Shared warehouses, or dedicated to individual customers
- ✓ Shared offices, or dedicated to individual customers

Connectivity

Point of entrance: 6
Entrance Room: 2 (per data center)
Main Distribution Area (MDA): 2 (per data center)

- ✓ Carrier neutral data center
- ✓ Provision of managed connectivity
- ✓ Transmission system to Namex

Energy

Total power: 30 MW
Power per data center: 6 MW
UPS redundancy: 2N +1
UPS type: double conversion static
Individual UPS power: 500kVA
UPS autonomy: 30 minutes (standard) - 15 minutes (minimum)
Generator redundancy: 2N
Generator type: diesel generator units
Autonomy when full: 48 hours without refuelling

Cooling

Cooling type: Chilled water
Operation: air/water chiller with indirect free cooling
Chiller redundancy: 2N
CRAH redundancy: 2N

Security

- ✓ CCTV
- ✓ Separate parking for employees/visitors
- ✓ 24/7/365 security
- ✓ 24/7/365 Network Operations Center (NOC)
- ✓ Building Management System (BMS)

Fire prevention system

Air exchange: 2vol/h
Extinguishing system: inert gas
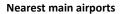Extinguishing gas: IG-541
Redundancy of extinguishing cylinders: 2N

- ✓ Highly sensitive smoke detection system
- ✓ Liquid loss detection system
- ✓ Fire detection and extinguishing system within the individual modules
- ✓ Autonomous system for each generator unit

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Nearest main airports
Rome (FCO): 35 mins
Rome (CIA): 20 mins

Nearby railway stations
Rome Termini: 30 mins
Rome Tiburtina: 20 mins

Nearby motorway exits
A 24: 15 mins
A 90 (GRA): 7 mins

Estimated average time by car.

PARIS

FRANKFURT

MILAN

IT4

ROME

ROME

SR2

E35

A1

GRA
(A90)

IT4

TIBURTINA

TERMINI

A24

A91

A1

FIUMICINO

CIAMPINO

SR148