

6 Braham St, London E1 8EE

Building Overview

- Modern data centre facility situated in the east of London, close to the City of London
- Operational since 1999
- Technical space arranged over five floors
- Total size (technical space): 8,046 m²
- Available fully fitted space: 2,952 m²
- Maximum site power: 4 MVA
- Carrier connectivity: Level 3, Colt, BT, C&W, WorldCom, Neos, Viatel, Fibrenet, 51 Degrees

Technical Summary

Mains Power

- Dual redundant 4MVA, 11kV dedicated underground cable feeds to dedicated dual redundant 4MVA transformer substation.

Generators

- Two x 2.2MVA diesel-driven emergency power generators giving 4.4 MVA
- Automatic start in less than one minute to feed 100% of the facility.
- Generators tested monthly
- Fuel storage (Diesel) for 24 hour continuous operation at 100% load
- 24x7 agreement with local fuel supplier

UPS

- 4 x 625kVA Hybrid Rotary UPS modules providing 1875kVA total output with N+1 redundancy
- 15-minute battery autonomy per UPS module
- Dual redundant A&B distribution strategy
- Underfloor power track distribution system

DC

- 8000 amp -48VDC power system.
- Four hours of battery autonomy
- Single bus system with dual redundant A & B distribution.

Environment

- 750W/m² average cooling capability over the gross space
- Temperature regulated overall to 21°C +/- 2°C
- Humidity regulated overall to 50%RH +/- 10%
- Technical areas positively pressurized to minimize dust ingress

Physical

- Minimum floor to ceiling height: 3,100mm from top of raised floor
- 850mm raised floor height
- Raised Floor loading 14kN/m²
- Structural Floor Slab: 5kN/m²

Fire Strategy

- Use of non-inflammable and low-smoke zero halogen materials where possible
- No storage (especially of flammable materials) within technical space
- Building split into sealed, independent, fire compartments
- Very Intelligent Early Warning (V.I.E.W.) detection
- Smoke extract system activated by fire alarm
- Double-interlocked pre-action dry pipe sprinkler system

Security

- Remote 24 x 7 security monitoring
- Full electronic access control system, based on proximity cards with photo and PIN keypads
- Biometric Palm-scanners in addition for Colocation areas
- Locks on colocation suites and cabinets
- Intruder detection system on escape and riser doors

Closed Circuit Television (CCTV)

- CCTV monitoring and recording of all access points and circulation areas

Building Monitoring System (BMS)

- Local Operations and Control Centre
- Network monitoring system with critical alarm repeating to Regional Management Centre
- 24x7 local monitoring and logging of temperature and humidity conditions and alarms
- Full perimeter under-floor leak detection linked to building monitoring system

Telecom Infrastructure

- Facility is designed to accommodate standard rack/cabinets of 2,200mm nominal height
- Power is normally distributed underfloor, fibre and copper cabling distributed overhead (fibre within a managed containment system, copper within a heavy duty ladder rack system)
- Fibre entry to the building is via two independent points

General Facilities

- Dedicated loading area — delivery hours 8.00–18.00 (Mon to Fri)
- Customer test room and storage area
- Goods lift



London 1 Gateway

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