

# DATA CENTRE COLOCATION – CITY OF LONDON

6 BRAHAM ST, LONDON E1 8EE, UK



## Facility Specifications

- Modern data centre facility situated close to the city of London
- Operational since 1999
- Technical space arranged over 6 floors
- Total Size: 8,046 m<sup>2</sup>
- Fully fitted Colocation space: 2,940m<sup>2</sup>
- Maximum Site Power: 4 MVA
- Carrier Connectivity: Level 3, Colt, BT, C&W Worldwide, Verizon, Neos, Viatel, Fibernet, Kingston, THUS, Interoute

## Standards

- ISO27001:2013 Work in progress towards achieving certification of ISMS for Colocation
- ISO50001: Certified

## Power

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

## Generators

- 2 x 2MVA diesel driven emergency power generators giving 4MVA
- Automatic start in less than 1 minute to feed 100% of the facility
- Generators tested monthly
- Fuel storage (diesel) for 24 hour continuous operation at 100% load
- 24 x 7 agreement with local fuel supplier

## UPS

- 4 x 165kVA 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

## Environment

- 750W/m<sup>2</sup> average cooling capability over the gross space
- Temperature regulated to below 26°C
- Humidity regulated overall to 50%RH +/- 20%
- Technical areas positively pressurised to minimise dust ingress

## Physical

- Minimum floor to ceiling height: 3,100mm from top of raised floor
- 850mm raised floor height
- Raised Floor loading 14kN/m<sup>2</sup>
- Structural Floor Slab:
  - Ground Floor - 5kN/m<sup>2</sup>

## 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 above and below raised floor
- 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. Card readers installed on private suites
- Intruder detection system on escape and riser doors

## CCTV

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

## Building Monitoring Systems (BMS)

- Location Operations and Control Centre
- Network monitoring system with critical alarm repeating to Regional Management Centre
- 24 x 7 local monitoring and logging of temperature and humidity conditions and alarms
- Full perimeter under-floor leak detection linked to building monitoring system

## Telecoms Infrastructure

- Facility is designed to accommodate standard rack/cabinets of 2,200mm nominal height
- Power is normally distributed under floor, 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 09:00-17:00 Mon to Fri
- Customer test room and storage area
- Goods lift

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**+44 (0) 800 496 1000**  
**europa@level3.com**  
**www.level3.com**