Data Centre Colocation – London

Moreland House, 260-265 Goswell Road, London, UK

Facility Specifications

- Modern data centre facility situated on the northern fringes of the City of London
- Technical space arranged over seven floors
- Total Size: 25,143m^2
- Fully Fitted Colocation space: 12,212m^2
- Maximum Site Power: 20 MVA
- Carrier Connectivity: Lumen, Colt, BT, Vodafone, Interoute, Neos, Cogent, euNetworks, Fibernet, Kingston, Verizon, AT&T.

Standards

- ISO27001: Certified
- ISO50001: Certified

Power

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

Generators

- 4 x 4.3MVA diesel driven emergency power generators giving 4MVA
- Automatic start in less than one minute to feed 100% of the facility
- Fuel storage (diesel) for 24-hour continuous operation at 100% load

UPS

- UPS 1 - 3x 500kVA modules
- UPS 2 - 4x 625kVA modules
- UPS 3 - 3x 625kVA modules (undergoing upgrade)
- UPS 4 - 3x500kVA modules
- UPS 7 - 3x 550kVA modules
- Five separate UPS systems as above of both Hybrid Rotary UPS modules and static modules providing approx 9000kVA output each with N+1 redundancy
- Total facility UPS capacity 9500kVA N+1
- 15-Minute battery autonomy per UPS module
- Dual redundant A&B distribution strategy - Underfloor power track distribution system

Environment

- 750W/m^2 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: 2,570mm from top of raised floor
- 550mm raised floor height
- Raised Floor loading 14kN/m^2
- Structural Floor Slab:
  - Ground Floor - 21kN/m^2

Fire Strategy

- Very Intelligent Early Warning (V.I.E.W.) detection - above and below raised floor
- Smoke extract system at 12 air changes per hour
- Double Interlocked pre-action dry pipe sprinkler system

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Security

- Remote 24/7 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

Facility Management

- Building Monitoring Systems (BMS)

- Location Operations and Control Centre

- Network monitoring system with critical alarm repeating to Regional Management Centre

- 24/7 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 three independent points

General Facilities

- Dedicated loading area - delivery hours 09:00-17:00 Monday to Friday

- Storage area (125m^2)

- Two goods lifts - maximum loads 3950kg & 4,400kg

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- Our Premier Elite, Premier Select and Premier data centres deliver scalable solutions to help customers grow their businesses, become more efficient, and reduce costs

- Direct access to the Lumen network in more than 45 countries

- Customised solutions to meet your specific space and power needs

- Professional Services provide remote support for implementation and network management and monitoring

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