

Data Centre Colocation - Hamburg

Süderstraße 198, 20537 Hamburg, Germany

Facility Specifications

- Modern data centre facility situated in the Hammerbrook district
- Operational since October 2000
- Technical space arranged over two floors
- Total Size: 8,394 m²
- Fully Fitted Colocation Space: 1,320m²
- Colo 2 currently under construction for another 1500sqm with day 400kW capacity
- Available Shell & Core Space: 2,809m²
- Maximum Site Power: 8 MVA
- Carrier Connectivity: Lumen, Colt, T-Com, Hansenet, AT&T, Verizon, Versatel, BT, LambdaNet.

Standards

- ISO27001: Certified
- ISO50001: Certified

Power

- 8 MVA supply via dedicated underground 10kV cable feeds to dedicated 4 x 2MVA 10kV/400V transformer station

Generators

- 2 (4 ultimate) x 2MVA diesel driven emergency power generator
- Generators tested monthly
- Fuel storage (diesel) for 24 hour continuous operation at 100% load

UPS

- 5x400kVA static UPS modules with N+1 redundancy
- Fifteen-minute battery autonomy per UPS module
- Dual redundant A&B distribution strategy
- Underfloor power track distribution system

Environment

- 750W/m² 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: 3,700mm from top of raised floor
- 800mm raised floor height
- Raised Floor loading 12kN/m²
- Structural Floor Slab:
 - Ground Floor - 20kN/m²
 - First Floor - 10kN/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 24/7 security monitoring with 2-factor authentication
- Full electronic access control system, based on proximity cards with photo and PIN keypads
- 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

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 Monday to Friday
- Customer test room (27m²)
- Goods lift - 1.4m wide x 2.6m high - maximum load 1,500kg

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