

Data Centre Colocation - Amsterdam

Stekkenbergweg 4, 1105 AJ Amsterdam, The Netherlands

Facility Specifications

- Modern data centre facility situated in Amsterdam Southeast
- Operational since June 1999
- Technical space arranged over 2 floors
- Total Size: 10,073m²
- Available fully fitted space: 4,169m²
- Maximum Site Power: 5MVA
- Carrier Connectivity: Lumen, Tele2, Verizon, BTignite, GTT, KPN, Colt, EUnetworks, Eurofiber, UPC/Ziggo, Relined and Telenet.

Standards

- ISO27001: Certified
- ISO50001: Certified
- SOC 1 Certification

Power

- Dual redundant 5MVA, HV dedicated underground cable feeds to 2 x dedicated redundant 2.5MVA transformer substations

Generators

- Two separate systems - 1x1.5MVA and 2x2. MVA diesel driven emergency power generators on different power distribution systems
- 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
- 24/7 agreement with local fuel supplier

UPS

- Two separate systems - 2 x 625kVA and 4 x 625kVA Hybrid, Rotary UPS modules providing 625kVA and 1875kVA total output with N+1 redundancy
- Vertiv Trinergy Cube 2000 kVA UPS system (5x cores of 400 kVA, designed as a N+1 setup)
- 1x 2.2 MVA emergency power generator
- Fifteen-minute battery autonomy per UPS module
- 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: 2975mm from top of raised floor
- 750mm raised floor height
- Raised Floor loading 14kN/m²
- Structural Floor Slab:
 - Ground Floor - 25kN/m²
 - First Floor - 3kN/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 - VESDA early warning detection
- Double Interlocked pre-action dry pipe sprinkler system

Security

- Remote 24/7 security monitoring
- Full electronic access control system, based on proximity cards with photo and PIN keypads
- Biometric fingerprints scanners on shared colocation rooms
- 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
- Cold aisle containment setup with 800 x 1200 racks to allow High Density rack installs to provide sufficient cooling up to about 7-9 Kw per rack in average
- 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 (40m²) - delivery hours 09:00-17:00 Monday to Friday
- Three customer test rooms (10m² each) and storage area (50m²)
- Goods lift - 1.4m wide x 2.4m high - maximum load 2,500kg

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- 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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