



Amsterdam

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facility overview

Global Switch Amsterdam offers scalable, resilient data centre solutions with access to multiple carriers and access to the internet via AMS-IX and NL-ix. Located in the urban district of Slotervaart / Overtoomseveld, the facility's resilience is underpinned by a minimum N+1 standard for power and cooling systems delivering an optimal operating environment to clients 24x7.

technical specifications

building

gross area 38,723m² (416,810 ft²)

- structure**
- Steel frame with concrete floors, metal faced cladding and glazing
 - Typical floor loading of 10kN/m²
 - Single storey with a 3.75m clear height to underside of ceiling (no beams)
 - Raised floors with anti-static tiles and a minimum height of 750mm to top of tile installed in fully fitted areas, providing minimum clear height of 3.0m to ceiling
 - Column spacing primarily based on a 16.5 x 8m grid

additional info • Goods lift (5 tonnes)

power (mains and emergency)

- Minimum N+1 redundancy on power supply
- Mains power supply of 36MVA at 50kV
- Diverse A&B supply, distributed via 10kV radial main
- Power and cooling are supported by up to 6 x 10kV diesel generators rated at 4.75MVA each and 5 x rotary UPS systems at 1100kVA each
- On-site diesel tanks (for up to 420,000 litres) support 48 hours at full capacity with 24 hour, 24x7 fuel delivery

controlled environment

- Minimum N+1 redundancy on chilled water cooling
- Temperature in technical space maintained at 22°C (+/-2°C)
- Humidity range of 50% (+/-10%) in technical space
- 4 chillers supply 4.7MW of cooling per chiller and 8 package chillers at 750kW cooling per chiller including free cooling capability
- Control units (RACU's) provide conditioned air to technical space
- Diverse chilled water distribution pipe work (ring main type) throughout facility
- Leak detection under chilled water pipe routes and RACU's

fire detection and suppression

- Analogue addressable fire detection system in all areas (smoke and heat) with manual break-glass units
- Evacuation system with audible and optical alarms
- Very early smoke detection and alarm system (VESDA) in the return air-flow of RACU's
- Environment friendly gas suppression system using centrally stored Inergen or Argonite to technical and selected landlord areas
- Double interlocked pre-action sprinkler systems in diesel generator area
- Fire hose reels in corridors with water pressure detection
- Smoke and gas extraction systems

telecommunications

- Access to multiple telecommunications providers, located in 3 dedicated Meet Me Rooms (MMRs), via diverse dedicated connections
- Diverse cable entry points (x3) with 110mm ducts
- Multiple cable basket trays to all data routes – fully access controlled
- Multiple connection points to each suite
- Space availability for satellite & antennae equipment

building management

- Dedicated 24x7 facilities management team
- BMS system monitors M&E operation within facility to:
 - ensure stability of the environment
 - monitor key electrical and mechanical systems
 - enable interface between key systems
 - provide data gathering
 - interlink life safety systems in the event of fire alarm activation
 - Kwh metering of energy consumed

security

- Premises Controllers manage facility security 24x7
- Access control using photo pass cards and proximity card readers
- Perimeter intruder alarms
- Multiple CCTV cameras (interior and exterior)
- Gate controlled vehicle access
- Secure managed delivery and loading areas

ancillary services

- Private office space can be fitted out to customer specification
- Bookable conference rooms available in landlord area

**For further information please contact our Amsterdam sales team:
+31 (0)20 66 66 300 or informatie@globalswitch.com**