



Frankfurt

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facility overview

Global Switch Frankfurt offers high quality, scalable data centre space with access to multiple carriers and service providers. Located in the Rödelheim district, 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 17,308m² (186,298 ft²)

structure

- Reinforced concrete frame with reinforced concrete floors, metal-faced cladding and glazing
- Typical floor loading of 20kN/m²
- 4m slab to slab height equating to 3.6m clear height to underside of deepest beam in most areas
- Raised floors with anti-static tiles and a minimum height of 600mm installed in fully fitted areas, providing minimum clear height of 3m to underside of deepest beam in most areas
- Column spacing primarily based on a 5.25m grid

additional info

- 2 x passenger lifts (13 people max)
- Goods lift (8 tonnes)

power (mains and emergency)

- Minimum N+1 redundancy on power supply
- Mains power supplied via 2 x 10kV incomers to a dedicated substation on site
- Diverse A&B supply, distributed via 0.4kV ring main units
- 1st floor and basement provided with 650W/m². Ground floor provided with 800W/m²
- Power and cooling are supported by rotary UPS diesel generators
- On-site diesel tanks (77,000 litres) support 24 hours at full capacity with a 24x7 fuel delivery callout contract in place

controlled environment

- Minimum N+1 resilience on chilled water cooling system
- Temperature in technical space maintained at 24°C (+/-1°C)
- Humidity range of 40-70%
- 6 chillers installed at ground level supply 11.8MW of cooling
- Close control units (CCUs) provide conditioned air to technical space
- Diverse chilled water distribution pipe work (ring main type) throughout facility

fire detection and suppression

- Analogue addressable fire detection system in all areas (smoke and heat) with manual break-glass units
- Very early smoke detection and alarm system (VESDA) in the return air-flow of CCUs
- N+1 gas suppression system using centrally stored Argonite to technical and selected landlord areas
- Smoke and gas extraction

telecommunications

- Access to multiple telecommunications providers located in two dedicated Meet Me Rooms (MMRs), via diverse dedicated connections
- Diverse cable entry points (2) with combination of 110mm and 29mm sub ducts
- Basket trays to all data risers – fully access controlled
- Multiple connection points to each suite
- Roof 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

security

- Premises Controllers manage facility security 24x7
- Access control using proximity card readers
- Multiple CCTV cameras (interior and exterior)
- Secure managed delivery and loading area

ancillary services

- Tailored private office areas to customer specification
- Bookable conference rooms available

**For further information please contact our Frankfurt sales team:
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