



Singapore

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facility overview

Global Switch Singapore offers high quality, scalable data centre solutions with access to multiple carriers. Located in one of Singapore's technology districts, 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 22,043m² (237,272 ft²)

- structure**
- Steel frame with concrete floors, metal faced cladding and glazing
 - Typical floor loading of 7.5kN/m²
 - 4.1m (13.45ft) slab to slab height, equating to 3.45m clear height to underside of deepest beam
 - Raised floors with anti-static tiles and a minimum height of 600mm installed in fully fitted areas, providing minimum clear height of 2.85m to underside of deepest beam
 - Column spacing primarily based on a 7.5m grid

- additional info**
- Passenger lift x 2 (1.7 tonnes)
 - Goods lift x 2 (3.5 tonnes)

power (mains and emergency)

- N+N redundancy on incoming power supply
- Mains power supplied via 2 x 22kV dedicated incomers
- Diverse A&B supply, distributed at 415V via busbar system throughout
- Up to 2MW of power per floor plate
- Power and cooling are supported by up to 12 x 2MVA diesel generators
- On-site diesel tanks (150,000 litres) support 24 hours at full capacity with 2 hour, 24x7 fuel delivery callout in place
- Floor by floor UPS configuration options: N+1 or N+N. Battery reserve typically 15 minutes

controlled environment

- Minimum N+1 resilience on condensed water cooling system
- Temperature in technical space maintained at 22°C (+/-2°C)
- Humidity range of 50% (+/-10%) in technical space
- Up to 10 cooling towers at roof level supplying 850 watts of cooling per m²
- Close control units provide conditioned air to technical space
- Diverse condensed water distribution pipe work (ring main type)

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 technical space and associated plant areas
- Inergen / FM 200 gas requirements can be accommodated
- Dry pipe sprinklers in technical space, with water ingress protection and monitoring provided where required
- Dry risers to all floors
- Smoke and gas clearance system to each floor

telecommunications

- Access to multiple telecommunications providers located in two dedicated Meet Me Rooms (MMRs), via two diverse dedicated connections
- Two diverse cable entry points with combination of 110mm and 32mm sub ducts
- Cable trays to all data risers – fully access controlled
- Multiple connection points to each suite
- Roof space availability for satellite & antennae equipment
- Excellent connectivity with many prime POPs located within the MMRs

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
 - web access available for customer space

security

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

ancillary services

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

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