



## Sydney

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### facility overview

Global Switch Sydney offers high quality, scalable data centre solutions with access to multiple carriers. 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** 41,575m<sup>2</sup> (451,651 ft<sup>2</sup>)

- structure**
- Concrete encased steel beam/reinforced concrete floor slab, tile faced cladding & glazing
  - Typical minimum floor loading of 7.5kN/m<sup>2</sup>
  - Slab height varies. Typical high bay floor slab to slab height 5.5m equating to 4.7m clear height to underside beam
  - Raised floor with anti static tiles and a minimum height of 600mm installed on fully fitted areas
  - Column spacing primarily based on a 6m grid

- additional info**
- Passenger lifts x 2 (capacity: 11 people)
  - Goods lift (10 tonnes)

### power (mains and emergency)

- Minimum N+1 redundancy on power supply
- Mains power supplied via 2 x 33kV dedicated incomers (option to increase to three feeders)
- Diverse A&B power supply, distributed at 11kV via rotary UPS and multiple ring main circuits
- Up to 3.2MW of power per floor plate (Area x 800w/m<sup>2</sup>)
- Power and cooling are supported by up to 22 rotary UPS units
- On-site diesel tanks (360,000 litres) support minimum of 24 hours at full capacity with 2 hour, 24x7 fuel delivery callout contract in place

### controlled environment

- Minimum N+1 resilience on chilled water cooling system (pipework and infrastructure)
- Temperature in technical space maintained at 22°C (+/-2°C)
- Humidity range of 50% (+/-10%) in technical space
- Up to 7 chillers installed at roof level supply 4.5MW of cooling per chiller
- Close control units (CCUs) provide conditioned air to technical space
- Diverse chilled water distribution pipe work

## fire detection and suppression

- Aspiratory analogue addressable fire detection system in all areas (smoke and heat) with manual break-glass units
- Dry pipe sprinklers to technical space, sprinklers in corridors and selected plant rooms, with water ingress protection and monitoring (where required)
- Dry risers to all floors
- Smoke and gas clearance system

## telecommunications

- Access to multiple telecommunications providers located in two dedicated Meet Me Rooms (MMRs), via diverse dedicated connections
- Diverse incoming cable entry points (x5) with combination of 110mm and 32mm sub ducts
- Multiple 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 mechanical system operation within facility to:
  - ensure stability of the environment
  - monitor mechanical systems
  - enable interface between key systems
  - provide data gathering
  - interlink life safety systems in the event of fire alarm activation
- SCADA system monitors electrical distribution network and facilities plant management

## security

- Business 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 loading area

## ancillary services

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

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