

WORLD CLASS DESIGN
WITH BEST IN CLASS
OPERATIONAL PROCESSES

Sydney East Technical Specification



UNINTERRUPTED
POWER



BESPOKE
SOLUTIONS



NETWORK
DENSE



CLOUD
CONNECTIVITY

GLOBAL SWITCH

Global Switch is the leading owner, operator and developer of large-scale, multi-tenanted, carrier neutral data centres across Europe and Asia-Pacific. Our data centres provide a rich carrier and cloud-neutral ecosystem and offer the reliability, security and flexibility that our customers require to house their IT infrastructure.

Services

Private Suites

These self-contained areas, which can include 24x7x365 network operating centre facilities, are designed and built to customers bespoke specifications.

Cages

The Global Switch cage solution offers the benefits of large-scale resilience for medium sized IT space and power requirements. This solution provides secure private areas for customers and offers flexibility in design and layout.

Racks

Racks situated in colocation areas are a vital resource for businesses looking to outsource critical IT infrastructure, establish a presence in multiple strategic locations, or those wishing to increase their footprint as their space requirements grow.

Meet Me Rooms

Meet Me Rooms offer telecommunications companies highly secure purpose built areas to house their network infrastructure in order to connect with a host of companies and organisations within the data centres.

Key benefits

Scale: Scalability with over 3,200,000 sq ft (300,000 sq m) across ten world class, fully-fitted data centres.

Flexibility: Access to the full range of space and power solutions with flexibility to meet your needs.

Network dense: Data centres that are located adjacent to central business districts exclusively in Tier 1 markets offer connectivity rich, low latency solutions with direct access to the major international fibre routes.

Competitive options: A strong diverse service provider ecosystem ensures that customers have access to competitive pricing for a complete range of services.

Resilient Infrastructure: Global Switch provides uninterrupted power with multiple layers of redundancy, optimised cooling and security. Monitoring of these key components through highly sophisticated building management systems is backed up by 24x7x365 security and technical support teams.

Bespoke solutions: Solutions can be tailored to individual customer requirements.

Environmental commitment: Energy efficiency is at the core of our business. Through innovation in design, operation and working closely with our customers, we are continually improving the energy efficiency of our data centres.

Operational excellence: Key ISO certifications complement a robust Critical Environments Programme which is central to applying and maintaining best in class practices across our global data centre portfolio.

Financial strength: A financially secure owner and operator with investment grade credit ratings.



**WORLD-CLASS
DATA CENTRES**



**OPTIMISED
COOLING**



**CARRIER
NEUTRAL**



**HIGHLY
SECURE**



**ENVIRONMENTAL
COMMITMENT**



**OPERATIONAL
EXCELLENCE**

SYDNEY EAST



Location

- The data centre is located less than 1.5km from the financial district and city centre
- A local metro railway station is located within a 5 minute walk. Inner city tram and bus access is readily available
- Kingsford Smith Airport is 10km away

Building Overview

- Global Switch owns the freehold
- Purpose built
- Exceeds Tier III operational performance
- 31,000 sq m of gross space
- 5 data floors
- Flexible IT space with ability to create bespoke environments as required

Main Structural Features

- Reinforced post tensioned concrete construction floors and columns, concrete walls with aluminium cladding and glazing
- 5.2m slab to slab height
- Raised floor height of 1,000mm
- Minimum from raised floor: 3.2m clear height to underside of ceiling
- Floor loading of 15kN/m²
- 1 goods lift (11 tonnes), 1 passenger lift

Power

- 33kV utility supply with N+1 redundancy
- Utility power supply capacity of 38MVA (planned)
- Technical (IT) power and mechanical systems supplied by on-site Diesel Rotary UPS with N+2 redundancy
- Fully diverse power distribution to technical areas
- On-site fuel storage to support 24 hours at full capacity with 24x7x365 fuel delivery
- Offering 1,850 W/m² as standard, with higher density solutions fully supported

Cooling

- 35.4MW of installed and planned cooling provision
- Minimum N+1 resilience on all systems
- CRAH units control temperature and humidity in technical space within the recommended range of ASHRAE TC9.9
- Diverse distribution pipework throughout
- Chilled water cooling system with free cooling loop
- In rack cooling capability if required

Security

- Operations Centre manned 24x7x365
- Security guard patrols 24x7x365
- Continuous CCTV surveillance of external and internal areas
- CCTV records kept for 31 days
- Comprehensive intruder detection and alarms to all areas
- Strict access control procedures to ISO 27001:2013
- Access control using proximity card readers and biometric systems
- Physical access via mantrap
- Secure managed delivery and loading area available 24x7x365
- Secure staging available, if required

Connectivity

- Carrier Neutral
- Network dense with access to multiple global and regional carriers and Internet service providers offering Dark Fibre, Wavelength, Ethernet, MPLS, VPLS, IP Transit, Peering, CDN, Storage, Virtualised Services (SDN), Voice, Mobile Services
- Access to multiple cloud services through leading public, private and hybrid cloud solution providers
- 3 dedicated Meet Me Rooms
- 4 diverse building entry points
- Diverse cable routes and pathways
- Campus fibre system interconnecting Sydney East to Sydney West
- Roof space availability for satellite and antennae equipment
- PipeIX present

Fire Detection and Suppression

- Analogue addressable fire detection system in all areas
- Aspirated early warning smoke detection system (monitored 24x7x365)
- Inergen gas suppression system in technical areas with dry pipe pre-action sprinkler for additional resiliency

Critical Environments Management

- Experienced 24x7x365 facilities management team
- Environment (thermal conditions) monitored 24x7x365
- All Building Management Systems (BMS) monitored 24x7x365
- Comprehensive energy metering systems
- Internationally recognised critical environments programme

Other Services

- Cross connects
- Customer reports
- Deliveries and storage
- Design and build
- Fit-out
- On-site facilities
- Remote hands
- Technical cleaning and waste disposal

Certifications

- ISO 9001:2008, 14001:2004, 27001:2013
- OHSAS 18001:2007

Technical specification relates to the completion of all stages of Sydney East

Global Switch Sydney East

400 Harris Street
Ultimo, Sydney
NSW 2007 Australia
+61 (0) 2 9566 7000
salessydney@globalswitch.com

Corporate Office

4th Floor, Millbank Tower
21-24 Millbank
London SW1P 4QP
United Kingdom
+44 (0)20 7802 5150
info@globalswitch.com

Data Centres

Amsterdam

Johan Huizingalaan 759
1066 VH Amsterdam
Netherlands
+31 (0) 20 6666 300
salesamsterdam@globalswitch.com

Frankfurt

Eschborner Landstraße 110
60489 Frankfurt am Main
Germany
+49 (0)69 74 22 70
salesfrankfurt@globalswitch.com

Hong Kong

Chun Yat Street
Tseung Kwan O Industrial Estate
New Territories
Hong Kong
+852 3750 7572
saleshongkong@globalswitch.com

London Campus

London East
Global Switch House
3 Nutmeg Lane
London E14 2AX
United Kingdom
+44 (0)20 7473 9000
saleslondon@globalswitch.com

London North

East India Dock House
240 East India Dock Road
London E14 9YY
United Kingdom
+44 (0)20 7473 9000
saleslondon@globalswitch.com

Madrid

Calle Yécora, 4
28022 Madrid
Spain
+34 91 312 06 00
salesmadrid@globalswitch.com

Paris Campus

Paris East / Paris West
7-9 rue Petit
92582 Clichy Cedex, France
+33 (0)1 55 90 04 60
salesparis@globalswitch.com

Singapore

Singapore Tai Seng
2 Tai Seng Avenue
Singapore 534408

Singapore Woodlands
Woodlands Avenue 12
Singapore 738990

+65 6858 5008
salesingapore@globalswitch.com

Sydney Campus

Sydney East / Sydney West
400 Harris Street
Ultimo, Sydney
NSW 2007 Australia

+61 (0) 2 9566 7000
salesaustralia@globalswitch.com

ALWAYS ON [GLOBSWITCH.COM](http://globalswitch.com)

The information provided in this brochure is intended to be used for illustrative purposes only and does not constitute part of any offer or offer to contract. Any information herein contained is not warranted as accurate or complete. © Global Switch 2016.