



ONE OF THE  
LARGEST DATA  
CENTRES IN  
THE SOUTHERN  
HEMISPHERE



# GLOBAL SWITCH

Global Switch is the leading wholesale data centre provider in Europe and Asia-Pacific, providing the reliability, security and flexibility that our customers require to house their IT infrastructure.



Global Switch data centres are located in key international business and connectivity hubs. We offer space solutions that meet the demands of businesses including government organisations, financial institutions, enterprises, global system integrators, telecommunication carriers, and managed service providers. Our rigorous approach to applying and maintaining best standard practices throughout our data centres delivers the highest quality service and state-of-the-art facilities to our customers.

## Services

Our data centre solutions provide highly flexible and cost-effective options for housing critical network and IT equipment. These services include:

## Private Suites

These self contained areas, which can include 24x7 network operating centre facilities, are designed and built to customers bespoke specifications. Key benefits include:

- Specify your technical and environmental requirements and use your preferred service providers
- Flexibility to design, build and utilise your area as you choose
- Avoid significant capital expenditure incurred in housing your own IT infrastructure or building your own facility
- The opportunity for you to re-utilise or dispose of your existing office or technical space

## Cages

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

- "Ready to go" facility in purpose-built technical space
- A secure private area
- Flexible design and layout
- Optional enhanced security
- Flexibility to expand as required

## Racks

Racks situated in colocation areas remain a vital resource for businesses looking to outsource critical equipment, establish a presence in multiple strategic locations, or those wishing to increase their footprint as their space requirements grow. Key benefits include:

- Cabinet footprint
- Dual power feeds
- Power consumption based on agreed specification
- Flexible terms to adapt to your requirements as your business evolves

## Meet Me Rooms

Our Carrier Neutral status ensures that carriers and ISPs are able to establish a Point of Presence throughout our portfolio of data centres. Key benefits include:

- Efficient cable routing utilising underground ducts, building service risers and cable trays
- Minimum of two fibre entry points into data centres and Meet Me Rooms
- Multiple riser points to each floor
- Strict cable management systems
- Satellite and antennae roof space

# SYDNEY

Designed and built to an enhanced Tier III specification the data centre has diverse 33kV feeds feeding a back up power system consisting of 22 diesel rotary UPS systems.



## Key features in Sydney include:

- A convenient location on the edge of the Central Business District (CBD) with future expansion plans in place to grow with its customers
- 34MW of power to the data centre
- High levels of customer satisfaction from Australia's leading telecommunications, government and financial institutions
- Excellent efficiency delivers low energy costs to customers
- Electricity supplied from separate zones on the electricity grid
- Outside the CBD evacuation zone

## Sydney Technical Specification

### Main Structural Features

- 600mm raised floor with anti-static tiles
- Slab to slab height ranges from 3.6m clear height upwards
- Slab loading of 12kN/m<sup>2</sup>
- 10 tonne goods lift

### Redundant Power

- 2 x diverse 20MVA feeds feeding from the National Grid
- Highly efficient DRUPS installation supported by up to 22 no-break Rotary Diesel UPS sets
- Diverse A+B+R supply, distributed via 11kV rings within the data centre
- On-site diesel tanks (6 x 60,000 litres) support 24 hours at full capacity with 24x7 fuel delivery
- A third 20MVA feed will be on stream in 2011

## Cooling and Environment

- Minimum N+1 resilience on chilled water cooling system
- 6+1 4.5MW water cooled chillers
- Diverse chilled water distribution pipe work (ring main type) throughout data centre with N+1 flow and return pipe work via N+1 risers
- CRAC units within customer areas provided at minimum N+1
- Temperature and humidity in technical space to industry accepted standards and maintained within energy efficient parameters

## Fire Detection and Suppression

- Multi-aspirated fire detection and warning system
- Analogue addressable fire detection system in all areas
- Inergen gas suppression system in an N+N arrangement
- Dry pipe sprinkler system to all data suites to further back up the Inergen gas system

## Building Management Systems

- Experienced facilities management team with technicians on duty 24x7
- BMS systems monitoring all essential mechanical plant and SCADA system for all electrical systems
- BMS systems monitoring all in Suite environmentals

## Telecommunications

- Carrier Neutral
- Access to multiple telecommunications providers
- 2 dedicated Meet Me Rooms
- 2 diverse building entry points
- Diverse cable routes, risers and pathways
- Roof space availability for satellite and antennae equipment

## Security

- Security Operations Centre manned 24x7 with security guards on-site 24x7
- Premises under constant CCTV surveillance
- Intruder resistant to all areas
- Physical access to the data centre is controlled by mantrap
- Strict access control list
- Access control using proximity card readers

## Ancillary Services

- Design and build services
- Installation and cabling
- On-site secure storage for deliveries
- Meeting rooms
- Technical cleaning

## Sydney

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