



SPAIN'S LARGEST  
CARRIER NEUTRAL  
DATA CENTRE



# 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

# MADRID

Designed to house the latest technologies, to ensure resilient, diverse power and cooling infrastructure, the latest security and fire protection systems, and N+1 provisioning on critical services.



## Key features in Madrid include:

- Prime location close to Madrid centre
- Carrier Neutral
- Access to multiple telecommunications providers
- Long standing in-house team
- Flexible approach
- Proven experience and expertise in customer projects

## Madrid Technical Specification

### Main Structural Features

- Steel structure and pre-cast concrete panels, aluminium glazing to offices
- Typical floor loading of 9kN/m<sup>2</sup>. 20 kN/m<sup>2</sup> in some specific areas
- Slab to slab height of 3.70m
- Raised floors with anti-static tiles with a height of between 600mm to 800mm. Clear height of between 3.20m - 2.80m
- Column spacing: 9.84m

### Redundant Power

- N+N redundancy on power supply
- Mains power supplied via 2 x 15kV incomers
- Diverse A&B supply, distributed via 15kV main
- Up to 1000 w/m<sup>2</sup> of power available on each floor
- Backed up by 15kV diesel generators in N+1 configuration
- On-site diesel tanks (2 x 50,000 litres) with 8 hour, 24x7 fuel delivery

## Cooling and Environment

- N+1 redundancy on cooling system
- Temperature and humidity in technical space to industry accepted standards and maintained within energy efficient parameters
- Hydraulic redundancy
- Computer room air conditioning units (CRACs) in technical area backed up by 15kV diesel generators in N+1 configuration

## Fire Detection and Suppression

- Analogue fire detection system in all areas (smoke and heat) with manual break-glass units
- VESDA early warning system
- State of the art suppression systems in technical areas
- Wet risers and hose reels to all floors from site dedicated fire pump room and tanks
- CO<sup>2</sup> suppression systems in substation transformers

## Building Management Systems

- Dedicated 24x7 facilities management team
- Full power monitoring system
- Asset management system
- BMS system monitors M&E operation within data centre to:
  - ensure stability of the environment
  - monitor key electrical and mechanical systems
  - enable interface between key systems
  - provide data gathering

## Telecommunications

- Carrier Neutral
- Access to multiple telecommunications providers located within the data centre
- Diverse cable entry points with a combination of 160mm and 32mm sub ducts
- Basket trays to all data risers - fully access controlled
- Multiple connection points to each area
- Roof space availability for satellite & antennae equipment

## Security

- Premises Controllers manage data centre security 24x7
- Access control using proximity card readers
- Intruder alarms to all areas
- Multiple CCTV cameras (interior & exterior)
- Gate controlled vehicle access
- Secure managed delivery & loading areas
- Secure car park

## Ancillary Services

- Design and build services
- Tailored private office areas to customer specification
- Installation and cabling
- Meeting rooms
- On-site secure storage for deliveries
- Technical cleaning

## Madrid

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