



EUROPE'S LARGEST  
PURPOSE BUILT  
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

## LONDON 2

Designed and built to an enhanced Tier III specification the data centre delivers 45MW of power and cooling. With diverse feeds from the National Grid's 132kV network the incoming electrical supply is considered to be one of the most resilient available to any infrastructure within the UK.



### Key features in London 2 include:

- Close to both the City of London and Canary Wharf
- Designed and built to an enhanced Tier III specification
- High density solutions available, with bespoke power deployments in excess of 2,000 watts per sq m
- Largest privately owned HV network in the UK
- 2 incoming dedicated feeds directly from the National Grid's 132kV network
- 100% of the consumed energy is from sustainable energy sources
- The data centre has a PUE rating of 1.75

### London 2 Technical Specification

#### Main Structural Features

- 600mm raised floor with anti-static tiles
- 5m slab to slab height equating to 4.25m clear height
- Floor loading of 10kN/m<sup>2</sup>
- 6m x 3m, 7.5 tonnes lift

#### Redundant Power

- 2 x diverse 132kV feeds from the National Grid
- Largest HV network in private UK ownership
- Largest DRUP installation in the UK supported by 37 no-break rotary diesel UPS sets
- 4 separate DRUPS power stations
- Diverse A&B supply, distributed via 11kV rings within the data centre
- On-site diesel tanks (4 x 120,000 litres) support 50 hours at full capacity with 8 hour, and rolling 8 hour, 24x7 fuel delivery

### Cooling and Environment

- Minimum N+1 resilience on chilled water cooling system
- 28 air cooled chillers
- Diverse chilled water distribution pipe work (ring main type) throughout data centre N+N
- Downflow 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

- VESDA early warning system
- Analogue addressable fire detection system in all areas
- Inergen gas suppression system
- Dry risers to all floors
- Wet system in non technical areas and pre action sprinklers

### Building Management Systems

- Experienced 24x7 facilities management team
- BMS systems monitoring all essential M&E plant
- BMS systems monitoring all in Suite environmentals
- PMS system monitoring all essential HV and LV switch gear and electrical control systems

### Telecommunications

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

### Security

- Security Operations Centre manned 24x7
- Premises under constant CCTV surveillance
- Intruder alarms to all areas
- External infra-red barrier
- Physical access to the data centre is controlled by mantrap
- Strict access control list
- Access control using proximity card readers and biometric systems

### Ancillary Services

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

### London 2

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