



PURPOSE BUILT TO  
OFFER SCALABLE  
AND RESILIENT DATA  
CENTRE SOLUTIONS



# 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

# AMSTERDAM

The data centre's Carrier Neutral status allows you to connect to your providers of choice including a host of Internet Exchanges and Tier 1 Carriers giving you direct access to the global IP backbone.



## Key features in Amsterdam include:

- Purpose built and owner operated data centre
- Fully operational since 2000
- Carrier Neutral
- Access to multiple providers and peering exchanges
- Long standing and experienced in-house team

## Amsterdam Technical Specification

### Main Structural Features

- Steel frame with concrete floors, metal faced cladding and glazing
- Typical floor loading of 10kN/m<sup>2</sup>
- Single storey with a 3.75m clear height to underside of ceiling (no beams)
- Raised floors with anti-static tiles and a minimum height of 750mm to top of tile installed in fully fitted areas, providing minimum clear height of 3.0m to ceiling
- Column spacing primarily based on a 16.5 x 8m grid
- Goods lift (5 tonnes)

### Redundant Power

- Minimum N+N redundancy on power supply
- Mains power supply of 36MVA at 50kV
- Power and cooling are supported by up to 6 x 10kV diesel generators rated at 4.75MVA each and 5 x rotary UPS systems at 1100kVA each
- On-site diesel tanks (420,000 litres) support 48 hours at full capacity with 24 hour, 24x7 fuel delivery

## Cooling and Environment

- Minimum N+1 redundancy on chilled water cooling
- Temperature and humidity in technical space to industry accepted standards and maintained within energy efficient parameters
- 4 chillers supply 4.7MW of cooling per chiller and 8 package chillers at 750kW cooling per chiller including free cooling capability
- CRAC units provide conditioned air to technical space
- Diverse chilled water distribution pipe work (ring main type)
- Leak detection under chilled water pipe routes and CRAC units

## Fire Detection and Suppression

- Analogue addressable fire detection system in all areas
- Evacuation system with audible and optical alarms
- VESDA early warning system
- Environment friendly gas suppression system using centrally stored Inergen or Argonite
- Double interlocked pre-action sprinkler systems in diesel generator area
- Smoke and gas extraction systems

## Building Management Systems

- Dedicated 24x7 facilities management team
- Kwh metering of energy consumed
- 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
- 3 dedicated Meet Me Rooms via diverse dedicated connections
- 3 Diverse cable entry points
- Multiple cable basket trays to all data routes - fully access controlled
- Multiple connection points to each area
- Space availability for satellite & antennae equipment

## Security

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

## 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

## Amsterdam

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## Global Data Centres

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