

DESIGNED TO WORLD CLASS  
STANDARDS OFFERING HIGHLY RESILIENT  
AND NETWORK DENSE SOLUTIONS

Amsterdam East Technical Specification



UNINTERRUPTED  
POWER



BESPOKE  
SOLUTIONS



NETWORK  
DENSE



CLOUD  
CONNECTIVITY

# GLOBAL SWITCH

Global Switch is a leading owner, operator and developer of large scale network dense, carrier and cloud neutral multi-customer data centres in Europe and Asia-Pacific. Our data centres provide rich ecosystems and offer 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

Situated in colocation areas, our racks are a vital resource for businesses looking to outsource their critical IT infrastructure, establish a presence in multiple locations or expand 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 4,100,000 sq ft (387,000 sq m) across twelve 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**



# AMSTERDAM EAST



## Location

- The data centre is located 2km from the financial district and city centre
- A local Metro station is immediately outside the main gate
- Schiphol International Airport is 10 minutes away by car

## Building Overview

- Global Switch has a long term ground lease with automatic renewal rights
- Purpose built
- Will exceed Tier III operational performance
- 32,000 sq m of gross space
- 2 data floors
- Flexible IT space with ability to create bespoke environments as required

## Main Structural Features

- Structural steel frame with reinforced concrete floors and metal faced cladding
- 6m slab to slab height
- No raised floor
- Minimum from finish floor: 3.9m clear height to underside of deepest beam
- Floor loading of 15kN/m<sup>2</sup>
- 2 goods lifts (4 tonnes)

## Power

- 50kV utility supply
- Utility power supply capacity of 40MVA (planned)
- Technical (IT) Power supplied by on-site Static UPS N+1 redundancy
- Mechanical systems backed up by standby generators with N+1 redundancy
- Fully diverse power distribution to technical areas
- On-site fuel storage to support 24 hours at full load with 24x7x365 fuel delivery
- Offering 2,000 W/m<sup>2</sup> as standard, with higher power density solutions fully supported

## Cooling

- 35MW of cooling provision
- Minimum N+2 resilience on all systems
- Chiller Assist free-cooling
- Fan wall units control temperature and humidity in technical space within the recommended range of ASHRAE TC9.9

## 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
- Perimeter Intrusion Detection system (PIDs)
- Strict access control procedures to ISO 27001
- Access control using proximity card readers and biometric systems
- Physical access via mantrap
- Secure managed delivery and loading area available 24x7x365

## Connectivity

- Carrier and cloud 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 and Mobile Services
- Access to multiple cloud services through leading public, private and hybrid cloud solution providers
- 3 diverse MMRs servicing the campus
- 3 diverse Building Entry Points servicing the campus
- Diverse cable routes and pathways
- Campus fibre system interconnecting Amsterdam East to Amsterdam West
- Roof space availability for satellite and antennae equipment
- AMS-IX, NL-IX, GE-CIX, NetIX Communications and Speed-IX present

## Fire Detection and Suppression

- Fully addressable fire detection system in all areas
- Aspirated early warning smoke detection system (monitored 24x7x365)
- Gas suppression system in technical areas

## 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
- Waste disposal

## Certifications

- ISO 9001, 14001, 27001, 45001, 50001
- ISAE 3402
- AMS-IX
- PCI DSS Compliant

*Technical specification, which is subject to change, relates to the completion of all stages of Global Switch Amsterdam East*

## Global Switch Amsterdam East

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



## Corporate Office

2nd Floor, Nova North  
11 Bressenden Place  
London SW1E 5BY  
United Kingdom  
+44 20 8054 9000  
info@globalswitch.com

## Data Centres

### Amsterdam Campus

Amsterdam West / Amsterdam East  
Johan Huizingalaan 759  
1066 VH Amsterdam  
Netherlands  
+31 20 6666 300  
salesamsterdam@globalswitch.com

### London Campus

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

London North  
East India Dock House  
240 East India Dock Road  
London E14 9YY  
United Kingdom

+44 20 7473 9000  
saleslondon@globalswitch.com

### Frankfurt Campus

Frankfurt North / Frankfurt South  
Eschborner Landstraße 110  
60489 Frankfurt am Main  
Germany  
+49 69 74 22 70  
salesfrankfurt@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 1 55 90 04 60  
salesparis@globalswitch.com

### Hong Kong

18 Chun Yat Street  
Tseung Kwan O Industrial Estate  
New Territories, Hong Kong  
+852 3955 1000  
saleshongkong@globalswitch.com

### Singapore

Singapore Tai Seng  
2 Tai Seng Avenue  
Singapore 534408  
  
Singapore Woodlands  
7 Woodlands Height  
Singapore 737858  
+65 6958 1800  
salesingapore@globalswitch.com

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