WORLD CLASS DATA CENTRE DESIGN LOCATED CLOSE TO HONG KONG'S CENTRAL BUSINESS DISTRICTS
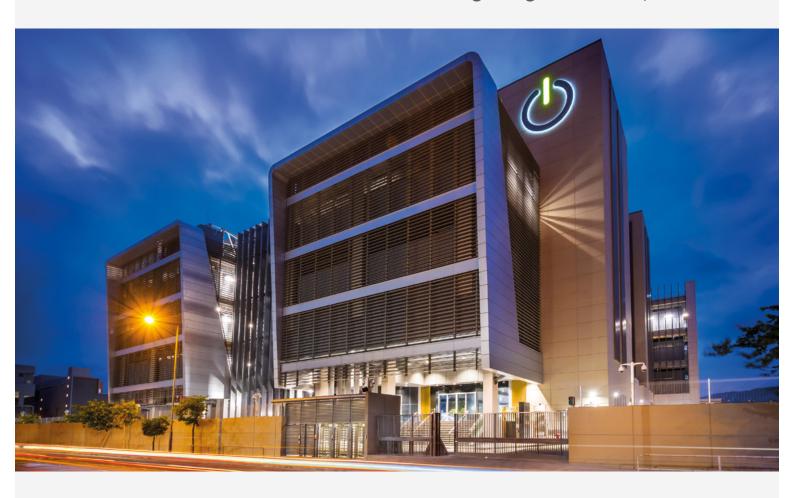
Hong Kong Technical Specification

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 4,600,000 sq ft (428,000 sq m) across thirteen 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

ALWAYS ON GLOBALSWITCH.COM

HONG KONG

Location
- The data centre is located close to the Hong Kong Stock Exchange hosting facility and Hong Kong's Central Business Districts
- The local railway station (MTR, Mass Transit Railway) Lohas Park is located within a short walk, with taxi and bus access
- Chek Lap Kok International Airport is 50 minutes away by car

Building Overview
- Global Switch has a long term lease with renewal rights over the land
- Purpose built
- Exceeds Tier III operational performance
- 70,545 sq m of gross space
- 5 buildings
- Flexible IT space with ability to create bespoke environments as required

Main Structural Features
- Concrete structure with metal faced cladding and glazing
- 6m slab to slab height
- Raised floor height of 900mm
- Minimum from raised floor: 4.3m clear height to underside of deepest beam
- Floor loading of 12kN/m²
- 2 goods lift (5 tonnes), 7 passenger lifts

Data Centre Services

Power
- 132kV utility supply with N+1 redundancy
- Utility power supply capacity of 100MVA (current)
- Technical (IT) power and mechanical systems supplied by on-site Diesel Rotary UPS with N+2 redundancy for Buildings 1-3 and by on site static UPS with N+1 redundancy for Buildings 4-5
- Mechanical systems backed up by standby generator system with N+1 redundancy for Buildings 4-5
- Fully diverse power distribution to technical areas
- On-site fuel storage to support 24 hours at full capacity with 24x7x365 fuel delivery
- Offering 2,000 W/m² as standard, with higher power density solutions fully supported

Cooling
- 82MW installed and planned cooling provision
- Minimum N+1 resilience on all systems
- CRAH units control temperature and humidity in technical space within the recommended range of ASHRAE TC9.9
- Diverse distribution pipework throughout
- Chilled water cooling system

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
- 2 dedicated Meet Me Rooms
- 3 diverse building entry points
- Diverse cable routes and pathways
- Roof space availability for satellite and antennae equipment

Fire Detection and Suppression
- Digital addressable fire detection system in all areas
- Aspirated early warning smoke detection system (monitored 24x7x365)
- Inergen gas suppression system in technical areas with dry pipe pre-action sprinkler system for additional resiliency

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
- Cloud services
- Colocation
- Cross connects
- Customer reports
- Data storage
- Deliveries and storage
- Design and build
- Distributed Denial of Service attack (DDoS) Service
- Fit-out
- Managed connectivity
- Network security
- Remote hands
- Technical cleaning
- Waste disposal

Certifications
- ISO 9001, 14001, 27001, 45001, 50001
- PCI DSS compliant

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