

Welcome to
Hong Kong

GLOBAL
SWITCH





YOUR HONG KONG HUB

Our Hong Kong data centre provides 70,000 sq m of world-class infrastructure services, supported by 100MVA of utility power.

Due to the strength of its business environment, infrastructure and favourable tax regime, Hong Kong remains one of the world's top financial centres. Its key strategic location in Asia-Pacific has attracted one of the greatest concentrations of corporate headquarters in the region.

As with all Global Switch data centres, Hong Kong delivers a highly resilient environment allowing scalable and flexible solutions supported by numerous connectivity options. It also meets our best-in-class operational and environmental management processes and operates to Tier III plus standards.

The data centre, held by Global Switch on a long leasehold, benefits from diverse power from two separate incoming supplies, offering high density solutions as standard and with flexibility to meet a range of requirements.



A WORLD-CLASS
DATA CENTRE



OPERATIONAL
EXCELLENCE



NETWORK
DENSE



CLOUD
CONNECTIVITY



CARRIER
NEUTRAL



BESPOKE
SOLUTIONS

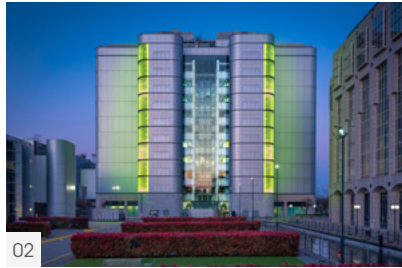
JOIN OUR GLOBAL NETWORK

We are a leading large-scale, carrier and cloud neutral, multi-customer data centre owner and operator across Asia-Pacific and Europe.

Established in 1998, we offer a tailor-made service across our network of hyperscale carrier and cloud neutral data centres. All of our sites deliver secure and resilient solutions with scalable capacity, are strategically located in key international business and connectivity hubs, and operate to Tier III plus standards.



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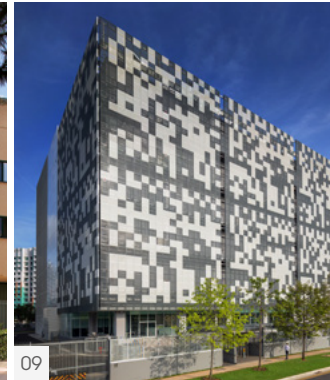
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GLOBAL SWITCH AT A GLANCE

- A strong network of world-class data centres
- Low latency locations in Tier 1 markets close to business, communications and internet hubs
- Rich ecosystem supported by the world's leading connectivity and cloud service providers alongside global system integrators and financial services solution specialists
- Economies of scale provide substantial energy efficiencies which result in reduced total occupancy costs
- Unrivalled power with multiple layers of redundancy
- State-of-the-art security and monitoring systems in place 24x7x365
- Industry-leading reliability with comprehensive Critical Environments Programme
- Investment-grade credit ratings received from Fitch, Moody's and Standard & Poor's
- Strong management team with significant industry experience

01 LONDON NORTH

02 LONDON EAST

03 PARIS CAMPUS

04 FRANKFURT CAMPUS

05 AMSTERDAM WEST

06 SYDNEY WEST*

07 SYDNEY EAST*

08 MADRID

09 SINGAPORE WOODLANDS

10 SINGAPORE TAI SENG

* Consolidated Group entity



CENTRAL ASIA-PACIFIC LOCATION

Located on the Tseung Kwan O Industrial Estate, our flagship data centre allows our customers to establish or increase their regional presence in Hong Kong.

Global Switch owns and operates data centres in many of the world's strategic communication and financial hubs.

Located about 700 km from the nearest plate boundary with seismic activity deemed low risk, Hong Kong is one of the most important centres in the Asia-Pacific

region and hub to numerous companies and financial institutions. With a highly developed transport network, Hong Kong's airport is a leading air passenger gateway and logistics hub in Asia and one of the world's busiest airports in terms of international passenger and cargo movement.

Global Switch's data centre has been constructed on the Tseung Kwan O Industrial Estate, a 75 hectare area of land developed by Hong Kong Science & Technology Parks to help maintain Hong's Kong position as one of the world's leading economic centres.



KEY LOCATION FEATURES

- Adjacent to the Tseung Kwan O Cable Landing Station and close to the other major submarine cable landing stations
- The data centre is located close to the Hong Kong Stock Exchange hosting facility and Hong Kong's Central Business Districts
- Located along major transportation routes, the Tseung Kwan O Industrial Estate features efficient communications networks, well-planned landscapes and convenient amenities to both local and international companies
- Low latency
- The local railway station (MTR, Mass Transit Railway) Lohas Park is located within a short walk, with taxi and bus access readily available
- Chek Lap Kok International Airport is 50 minutes away

A NEXT GENERATION DATA CENTRE

Our data centre offers a striking entrance and reception, through to state-of-the-art technical areas. As with all our data centres, the experience is simply 'world-class'.

As a data centre owner and operator, reputation is everything. Global Switch's ongoing commitment to respond to its customers' changing needs is vital.

Our operational environment enables customers to reduce their carbon footprint and drive greater efficiency from their operations. This reduces total cost of occupancy and minimises operational risk which is why some of the world's largest companies and organisations have chosen Global Switch to house their mission-critical IT infrastructure. As a company we are committed to ISO 9001, ISO 14001, ISO 27001, ISO 45001 and ISO 50001.

Hong Kong is a leading example of an environmentally sustainable data centre, with Buildings 1 and 2 having achieved a Leadership in Energy and Environmental Design (LEED) Platinum Rating. The data centre is also targeting the Hong Kong Green Building Council's BEAM Plus New Build Gold rating.

The data centre offers:

- Reconfigurable power and cooling distribution
- Variable speed fans and free cooling systems
- Low energy CRAH units



OPTIMISED COOLING



HIGHLY SECURE



SUSTAINABLE SOLUTIONS





World-class design with flexible layouts to meet a full range of requirements

KEY FEATURES

- 70,000 sq m of world-class infrastructure services
- 100MVA utility power supply
- High density as standard with flexibility to meet a range of requirements
- Scalable approach: design can be tailored to suit customer needs
- Full range of colocation, cloud and managed services
- Target PUE of 1.3
- Carrier neutral with access to multiple Tier 1 and Tier 2 international carrier networks
- Dedicated security infrastructure systems, with HD video surveillance system and biometric entry controls
- Low risk operational environment
- Cost effective solutions



Hong Kong level three

Customer Space
2000 W/m² as standard with higher power density solutions available

OUTSTANDING CONNECTIVITY

Our carrier neutral stance gives you greater choice in a competitive environment. The ability to connect into multiple peering exchanges and carrier networks results in direct connections and lower latency.

Global Switch data centres are located in key connectivity hubs across Asia-Pacific and Europe, in close proximity to international fibre routes. Access to multiple ISPs, Tier 1 and Tier 2 carriers is essential to business continuity and increasing network reach.

Hong Kong benefits from the rich connectivity in the region and provides access to international and local Tier 1 and Tier 2 carriers.

At Global Switch data centres you are able to establish direct connections to a vast portfolio of service providers giving you the flexibility to diversify your network and connect your data centres as your business needs evolve.

The Global Switch Hong Kong data centre offers two diverse entry points as well as two dedicated Meet Me Rooms. Connect to Asia-Pacific and the rest of the world through the extensive submarine cable networks landing in Hong Kong.

KEY FEATURES

- Rich connectivity with a multitude of nearby cable landing stations
- Two Meet Me Rooms provide diversity and connection options
- Location allows low latency connectivity
- Diverse cable routes and pathways
- Roof space availability for satellite and antenna equipment



CARRIER NEUTRAL

Our carrier neutral stance allows for greater choice in a competitive environment.



MULTIPLE PEERING

Multiple peering exchanges and carrier networks results in direct connections and business continuity.



NETWORK DENSE

Strategically situated on the Submarine Network, adjacent to the Tseung Kwan O Cable Landing Station.



LOW LATENCY

Location allows low latency connectivity to Hong Kong's Central Business Districts.

CUTTING-EDGE OPERATIONS

Our international teams share their knowledge to keep Global Switch at the forefront of data centre management.

Global Switch has built a reputation for creating data centres that set new standards in scale, connectivity and resilience. Being able to offer robust and scalable solutions in terms of power and cooling has been the driver for many of the leading businesses that choose Global Switch as their Asia-Pacific and European data centre provider.

We operate a centrally-run, industry-leading Critical Environments Programme across all of our global data centres, with dedicated teams in each location. These teams drive a common set of best practice standards, systems, processes and procedures.

Our uncompromising approach to infrastructure, gives you reassurance 24x7x365.



FLEXIBLE SCALABLE SERVICES

Our data centres provide a rich carrier and cloud neutral ecosystem and offer the reliability, security and flexibility that our customers require to house their IT infrastructure.

Global Switch Hong Kong provides comprehensive colocation facilities within its network dense, carrier and cloud neutral environment.

The data centre provides highly flexible scalable options enabling customers to quickly deploy their compute, storage and networking as well as control costs and manage their growth as their businesses evolve.



OUR HONG KONG DATA CENTRE PROVIDES A WIDE RANGE OF SERVICES, INCLUDING:



POWER AND COOLING

Scalable high density solutions supported by highly resilient power and cooling infrastructure which is managed and monitored using highly sophisticated Building Management Systems.



SECURITY

Our colocation security services provide a combination of world-class building design, physical and electronic security measures combined with strong and externally tested operational procedures.



CLOUD SERVICES

Tailor made solutions enabling elastic cloud deployments backed up with world-class certifications including ISO 9001 and ISO 27001.

For the full range of services, please see Technical Specification at the end of this brochure.



TECHNICAL SPECIFICATION

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 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

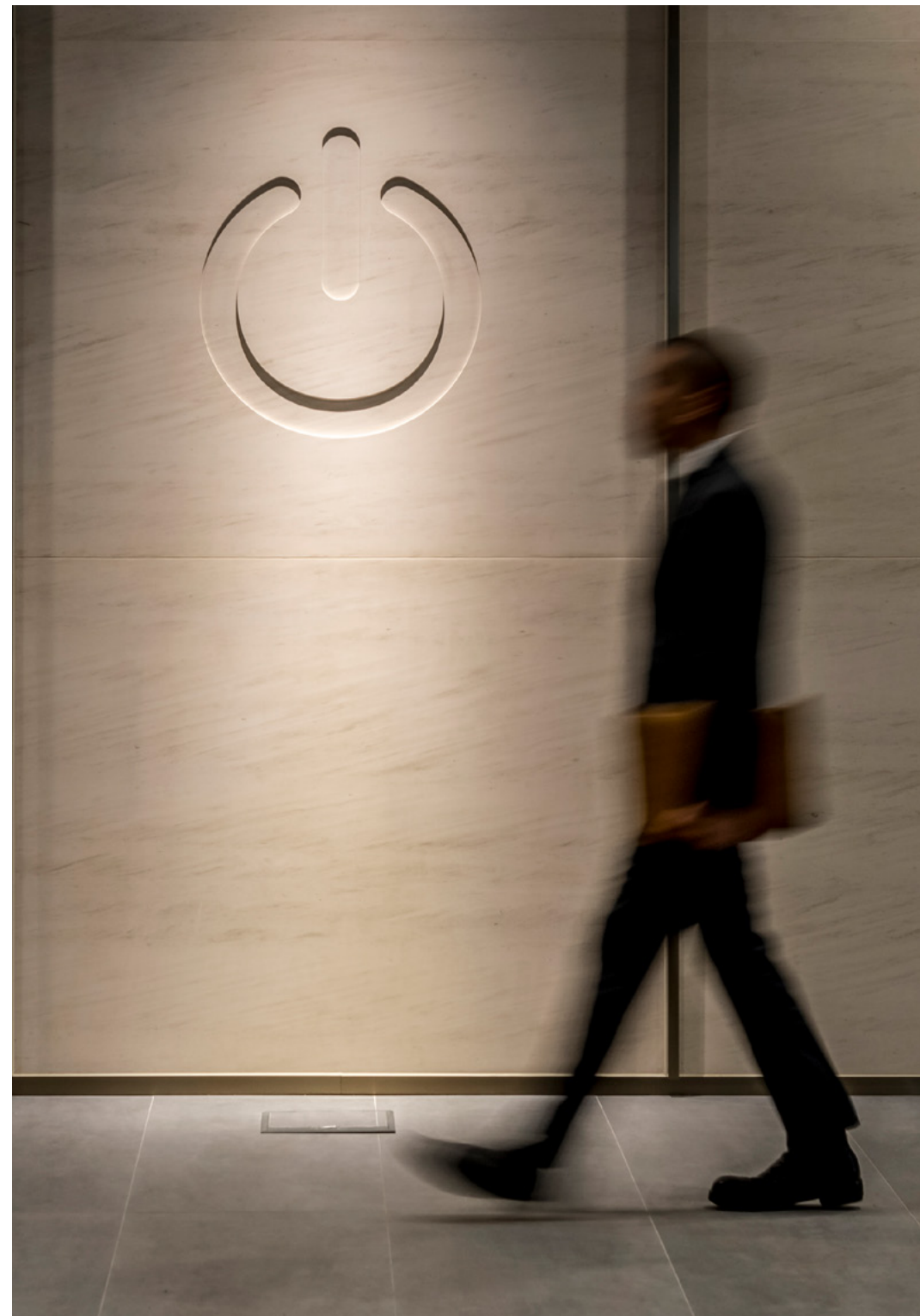
Leading the way for the data centre industry, Global Switch is the only choice for resilience, innovation, scalability and agility.

We look forward to welcoming you to our world-class Hong Kong data centre and becoming your local and worldwide data centre partner.

Global Switch Hong Kong

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