

PCCW Global - Keppel ICX

About PCCW Global

PCCW Global is the international operating division of HKT, Hong Kong's premier telecommunications service provider, which is majority-owned by PCCW Limited. Covering more than 3,000 cities and 150 countries, the PCCW Global network supports a portfolio of integrated global communications solutions which include Ethernet, IP, fiber and satellite transmission solutions, international voice and VoIPX services, managed network & security services and our expanding "as-a-service" solutions including OTT video and Unified Communications.

PCCW Global is headquartered in Hong Kong, and maintains regional centres in Belgium, China, France, Greece, Japan, Korea, Singapore, South Africa, the United Arab Emirates, the United Kingdom and the United States of America. To learn more about PCCW Global, please visit www.pccwglobal.com.

Robust and high-availability infrastructure

PCCW Global - Keppel ICX (international carrier exchange) is a collaboration between PCCW Global and Keppel Data Centres⁽¹⁾, the data centre division of Singapore Mainboard-listed Keppel Telecommunications & Transportation. The facility is based on robust Tier III architecture design and built to the highest standards of reliability, security, efficiency and quality. Stable infrastructure and optimal resilience in any critical situation is maintained by a dual essential power source and multiple back-up generators. Access to the facility is stringently regulated by robust security measures. Our commitment to quality and best practice ensures high availability of managed services to facilitate interconnection with carriers, as well as content and cloud providers and enterprise customers.

⁽¹⁾About Keppel Data Centres

Keppel Data Centres is the data centre division of the Singapore Exchange mainboard-listed Keppel Telecommunications & Transportation (Keppel T&T). Keppel Data Centres has a track record of more than a decade in owning, developing and managing high quality and carrier-neutral data centres that support mission-critical computer systems. Together with assets owned through Keppel DC REIT, the first data centre Real Estate Investment Trust listed in Asia, Keppel has a global portfolio of 17 data centres located in key hubs across Asia Pacific and Europe.

www.keppeldatacentres.com

Ideal home for network hub

PCCW Global - Keppel ICX is housed in the same building as the Hong Kong Point of Presence (PoP) for the new Asia-Africa-Europe-1 (AAE-1) submarine cable. Stretching approximately 25,000 kms, the AAE-1 connects Asia, the Middle East, East Africa and Europe. Capacity of more than 40 terabits provides customers with low-latency, direct connectivity around the world. The ICX is also served by PCCW Global's extensive backhaul network, which links other submarine cable-landing stations and mainland China gateways. This offers an ideal hosting centre for managed connectivity solutions – from local to international, fiber to IP/MPLS and data to multimedia. Our ICX customers enjoy ready access via an in-house cross-connect system.

Prime location ensures business continuity

PCCW Global - Keppel ICX is conveniently located in Hong Kong Island's primary business district.



PCCW Global - Keppel ICX specifications

Telecom centre	Electricity
<p>Total data hall area: 725m²</p> <p>Raised floor</p> <ul style="list-style-type: none"> - 600mm raised floor height - 600 x 600mm panel size <p>Headroom</p> <ul style="list-style-type: none"> - 4.26m slab to slab - 2.8m above raised floor clearance <p>Floor loading</p> <ul style="list-style-type: none"> - 9.8 kPa uniformly distributed load <p>Telecoms facilities</p> <ul style="list-style-type: none"> - Dedicated Meet-Me Room - Dual risers plus network diversity - Carrier neutral <p>Amenities</p> <ul style="list-style-type: none"> - 6 passenger and 2 cargo lifts of capacity 2,727 kg and 1,130 kg - Loading bays on ground floor - Available parking - Dry pantry & rest area 	<p>Power supply</p> <ul style="list-style-type: none"> - Essential power feeds from dual incoming power sub-stations via diverse delivery routes - 3 separate power transformers - Separate power supplies for UPS and cooling equipment - 1MVA IT load in 2N configuration <p>UPS</p> <ul style="list-style-type: none"> - (15+15) minutes battery backup in 2N configuration <p>Diesel generators</p> <ul style="list-style-type: none"> - Supported by multiple generators with capacity ranging from 1,000kVA to 1,500kVA and connected to external fuel storage with refuelling options
Cooling systems	Detection systems
<p>MVAC</p> <ul style="list-style-type: none"> - CRAC units in N+1 configuration supported by dedicated water-cooled chillers - Room temperature: 22°C ± 2°C - Room humidity: 55% ± 10% - Cold aisle containment design - Entire cooling system backed by diesel generators 	<p>Building management systems (BMS) – local and remote</p> <p>24/7 status monitoring covers:</p> <ul style="list-style-type: none"> - Chiller plant - Power supply system - Room temperature & humidity - Water leak detection - CCTV
Protection systems	Fire detection/suppression system
<p>Security system</p> <ul style="list-style-type: none"> - Proximity card reader plus door status monitoring - 24/7 CCTV surveillance with local and remote monitoring - 24/7 onsite security officers 	<ul style="list-style-type: none"> - FM200 fire suppression system in data hall and facility areas - Very Early Smoke Detection Apparatus (VESDA) - CO2 fire extinguishers installed in key areas - Thermometer, hygrometer and smoke detector in data hall areas - Fire alarm with direct connection to local fire service stations