

Hong Kong is part of a global competitive financial system where technology is an important growth driver.

For Hong Kong to maintain and strengthen its position as a leading financial centre, HKEX is committed to investing in the future through technology to remain competitive.

Overview

Hong Kong Exchanges and Clearing Limited (HKEX) offers Hosting Services, including low-latency co-location with HKEX markets, at its state-of-the-art data centre at Hong Kong’s Tseung Kwan O Industrial Estate.

With Hosting Services, as well as access to HKEX core systems, customers can enjoy access to a wide array of exchange participants, technology service providers, information vendors and network service providers within a secure ecosystem environment.



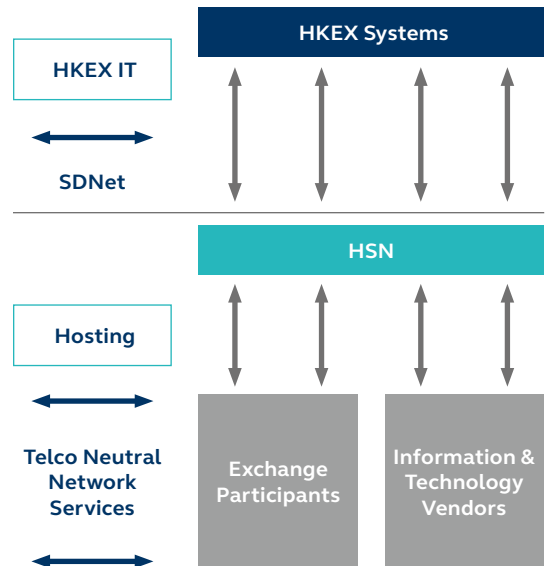
Superior connectivity among ecosystem members is made possible by a series of high speed local networks:

- HKEX Service Network (HSN) provides consolidated connection to HKEX market data, trading and clearing systems.
- Cross Connects (XCN) puts ecosystem members in touch through direct copper or fibre connection.

Key features

The Hosting Services offer an array of outstanding capabilities including:

- Tier 4 Data Centre Specification
- Low latency access to HKEX Securities and Derivatives Markets
- Low latency direct market data feeds
- Interactive ecosystem environment supporting electronic trading
- Flexible power and space packages offering both racked and caged environments
- Broad telecommunications carrier access
- Equal HSN cable length to ensure access fairness



Technical features of HKEX's data centre

Electrical systems	Design provision
Incoming Power System	2N from separate substations
UPS System	2N
Generator	N+2
Fuel Supply System	2N
Fuel Storage Capacity	To support 24 hours at full capacity
Mechanical systems	Design provision
Water Cooled Chiller System	2N
Make-up Water Storage System	2N of 24 hours
Continuous Cooling Buffer Storage System	15mins, N+1
Chilled Water Distribution System	Dual risers & dual loops (high level & low level)
Air Side System	Hall A - N+2 dual coil CRAC Hall B - N+2 dual coil CRAH Hall E - N+2 In-Row cooling unit
Fire protection systems	
VESDA System (Very Early Smoke Detection Apparatus)	
Environmental friendly gas suppression systems Novec 1230	
Physical security	
Surveillance monitoring	24 hours surveillance CCTV with digital recording
Building security	24 hours entrance security guards to control access
Telecommunications	
Carrier neutral	
Dual TBE rooms and dual risers	
Telco Room – a secure area where carriers provide interconnectivity to the network	
Raised floor	
Floor height	900mm
Floor load capacity	12kPa
Certificate / Compliance Standard	
ISO 27001 / ISO 9001 / ISO 14001 / ISO 45001 / ISO 50001 / LEED (Gold) for Core and Shell / LEED (Gold) for Building Operations and Maintenance / BEAM Plus (Platinum) for Existing Buildings	

Service offerings

Rack and caged area offerings	Design provision
Full Rack Specification	Hall A - 47U x 1175mm (D) x 800 mm (W) Hall B - 52U x 1200mm (D) x 800 mm (W) Hall E - 52U x 1200mm (D) x 800 mm (W)
Full Rack Power Option	Hall A - 4kVA/6kVA/8kVA* dual power feeds from 2N UPS Hall B - 6kVA/8kVA/10kVA* dual power feeds from 2N UPS Hall E - 10kVA/12kVA dual power feeds from 2N UPS
Half Rack Specification	Hall A - 22U x 1175mm (D) x 800 mm (W) Hall B - 25U x 1200mm (D) x 800 mm (W)
Half Rack Power Option	Hall A - 2kVA/3kVA/4kVA* dual power feeds from 2N UPS Hall B - 3kVA/4kVA dual power feeds from 2N UPS
Caged Area	Cage is offered as option (*subject to cooling capacity evaluation)
Connectivity offerings	Design provision
HKEX Service Network (HSN)	100M/1G/10G port speed (Fibre)
Cross Connects (XCN)	Copper and fibre
Hosting Services Testing Network (HSTN)	100M/1G port speed (UTP)
Other services	Design provision
Remote Hands Service	24x7 available
Timing Service	Network Time Protocol (NTP) and Precision Time Protocol (PTP)
On-site Storage Unit Services	Half/Quarter Storage Unit - per unit per month
Hard Drive Degaussing Services	Per 20 units incrementally
Express Provisioning	Service provisioning lead time to as fast as 5 days

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Disclaimer

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