HOSTING SERVICES

Hong Kong is part of a global and competitive financial system, and technology drives financial markets. For Hong Kong to retain 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 an array of exchange participants, as well as technology, information and network service providers within a secure ecosystem environment.

CLIENTS

Exchange participants, as well as technology, information and network service providers who are in search of increased opportunities.

SERVICES

- The data centre supports up to 1,200 cabinets of server space at an average power allocation of 6kVA per cabinet.
- Open interaction and increased connectivity in a highly resilient and secure environment.

KEY BENEFITS

Hosting Services ecosystem will support a broad range of technology, market data and network service providers. This open approach enables robust communication among the ecosystem members in a highly secure environment.
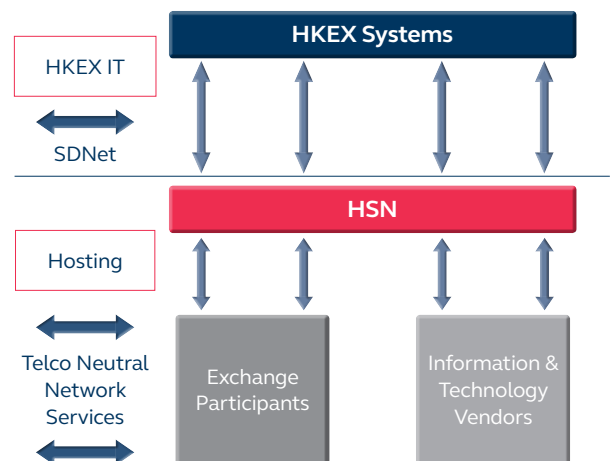
Superior connectivity among ecosystem members is made possible by a series of high speed local networks:

- HKEX Service Network (HSN) provides consolidated connection to HKEX market data, trading and clearing systems.
- Cross Connects (XCN) put 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 and LEED Gold Rating compliant
- 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

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

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	N+2 dual coil CRAC

FIRE PROTECTION SYSTEMS
• Proactive smoke detection alarm

• Environmental friendly gas suppression systems

TELECOMMUNICATIONS
• Carrier neutral

• Dual TBE rooms and dual risers

• Telco Room - a secure area where carriers provide interconnectivity to the network

SERVICE OFFERINGS

RACK AND CAGED AREA OFFERINGS	DESIGN PROVISION
• Full Rack Specification	47U x 1100mm (D) X 800 mm (W)
• Full Rack Power Option	4kVA or 6kVA dual power feeds from 2N UPS
• Half Rack Specification	22U x 1100mm (D) x 800 mm (W)
• Half Rack Power Option	2kVA or 3kVA dual power feeds from 2N UPS
• Caged Area	Cage is offered as option

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)

FOR MORE INFORMATION:
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