

Fact Sheet
HKEx's New Data Centre

at junction of Chun Ying Street and Chun Kwong Street, Tseung Kwan O Industrial Estate
11 July 2011

<p>Background</p>	<p>HKEx's new data centre will consolidate the primary data centres for all HKEx's markets and clearing houses' systems, as well as majority of IT development and support staff. HKEx currently has primary data centres in two separate locations in Hong Kong and backup centres in three other locations in the city.</p> <p>In February 2010, HKEx accepted the offer of a land site of about 11,000 square metres in Tseung Kwan O Industrial Estate to build a new data centre. The total floor area of the five-storey building is about 31,400 square metres. Planning and development work began immediately after taking possession of the site on 1 June 2010.</p>
<p>Services/facilities provided</p>	<p>HKEx's new data centre will be built to meet the highest reliability standards. It will meet the top level Tier 4 data centre requirements and the LEED Gold standard, which is part of an internationally-recognised green building certification.</p> <p>It will be equipped with modern facilities and infrastructure to consolidate the primary data centres for all of HKEx's markets and clearing house systems and IT development and support staff.</p> <p>It will also accommodate equipment to support hosting services. The Hosting Services business is expected to provide up to 1,200 cabinets of server space at an average power allocation of 6KVa per cabinet. It will be available to Exchange Participants as well as information and technology vendors.</p> <p>HKEx plans to build an ecosystem at the new data centre in which HKEx systems, Exchange Participants (EPs), Information Vendors (IVs), technology vendors and telecommunication providers are members, and operational support for hosted customers is provided.</p> <p>In the ecosystem:</p> <ul style="list-style-type: none"> - Technology vendors hosted in the data centre will be able to offer their technical platforms, such as market gateways, Broker Supplied System software, order management systems, algorithmic trading engines and so forth, to EPs; - Telecommunication providers will be able to connect into the data centre; such connectivity will facilitate global telecommunications lines that can be used to connect to other financial markets directly from the data centre;

	<ul style="list-style-type: none"> - There will be international market data feeds offered by the IVs hosted in the data centre; and - Connectivity to regional and global marketplaces will allow Hosting Services customers to connect to other financial markets through shared lines, reducing or eliminating the need for them to build dedicated communications links. <p>These services will reduce costs and increase the operational efficiency of all EPs.</p> <p>Low-latency co-location is one of the options under the Hosting Services. Technically, the new data centre will be equipped with the physical space and world-class infrastructure to support the offering of co-location service. The ecosystem will allow EPs to connect to HKEx's trading systems and IVs to connect to HKEx's market data systems which mean low latency co-location with HKEx markets will be permitted and hosted IVs will be able to provide low-latency HKEx market data.</p>
<p>Estimated investment cost</p>	<p>HKEx's new data centre represents a major commitment of HKEx. The estimated cost, which covers the land premium and construction, relocation, and technology upgrade costs, as well as initial facilities and office fittings and the construction of hosting services facilities, is approximately \$1.5 billion.</p>
<p>Estimated completion date</p>	<p>Relocation of the primary data centre for the securities market is scheduled for the fourth quarter of 2012.</p> <p>Relocation of the primary data centres of other systems, such as the derivatives market system, is scheduled for the fourth quarter of 2013.</p> <p>HKEx expects majority of its IT development and support staff (approximately 250 staff members) will work at the new data centre upon its completion.</p>