



Huawei and Keppel Data Centres pilot study on next-generation data centres in Singapore

SINGAPORE, 22 May 2017 – Huawei, a leading global information and communications technology (ICT) solutions provider and Keppel Data Centres Holding Pte. Ltd. (KDCH), a leading developer and operator of high quality carrier-neutral data centre facilities in Europe and Asia Pacific today announced the launch of Huawei's Cognitive Data Centre reference site located at Keppel DC Singapore 4.

The launch follows the signing of a Memorandum of Understanding (MoU) between Huawei and KDCH to explore potential collaboration on data centre efficiency and sustainability in the areas of Green Technology, High Performance Computing, Scientific Software Application, Networking Solutions and more.

The Cognitive Data Centre reference site will be a showcase of Huawei and Keppel Data Centres' state-of-the-art application of cognitive computing within a data centre environment. Enterprises will be able to leverage deep learning and AI-driven computing to drive automated insights that will inform their next step of growth. It will feature technologies geared towards providing a virtualised and energy efficient data centre management system. Virtualisation allows enterprises a single interface to customise storage resources and data processing capabilities across different data centres on demand. As a result, enterprises will lower operating and maintenance costs while increasing operational efficiency.

Wang Shao Tong, Managing Director, Huawei Enterprise Business Group (Singapore) said: "Enterprises are going through disruptive phases of digital transformation. They are expected to process massive volumes of data. For instance, for each autonomous vehicle, they can generate as much as 4TB per day. Enabling cognitive intelligence for data centres will help enterprises identify gaps and opportunities quickly and move ahead of the competition. The collaboration with Keppel Data Centres will bring us one step closer to realising fully-cognitive data centres."

Kenny Khaw, Global Head of Sales, Keppel Data Centres said, "We are pleased that our track record as the provider of robust and reliable data centre solutions for the digital economy has paved the way to this collaboration with Huawei. Keppel Data Centres is committed to continuously explore improvements that benefit the mission-critical IT infrastructure of our customers and set industry benchmarks. We look forward to potentially uncovering new insights that can enhance the data centre as we know it today."

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About Huawei

Huawei is a leading global information and communications technology (ICT) solutions provider. Our aim is to enrich life and improve efficiency through a better connected world, acting as a responsible corporate citizen, innovative enabler for the information society, and collaborative contributor to the industry. Driven by customer-centric innovation and open partnerships, Huawei has established an end-to-end ICT solutions portfolio that gives customers competitive advantages in telecom and enterprise networks, devices and cloud computing. Huawei's 180,000 employees worldwide are committed to creating maximum value for telecom operators, enterprises and consumers. Our innovative ICT solutions, products and services are used in more than 170 countries and regions, serving over one-third of the world's population. Founded in 1987, Huawei is a private company fully owned by its employees.

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About Keppel Data Centres Holding Pte Ltd

Keppel Data Centres Holding was formed in January 2011 as a 70-30 joint venture company between Keppel T&T and Keppel Land to consolidate their data centre assets and position the business for further growth. The company currently manages and operates more than 190,000 sq ft of data centre and business continuity and disaster recovery centre space in Singapore.

<http://www.keppeldatacentres.com>

About Keppel Telecommunications & Transportation Ltd

Keppel Telecommunications & Transportation Ltd (Keppel T&T), is a subsidiary of Keppel Corporation Limited, a leading company listed on the Main Board of the SGX-ST with core businesses in offshore and marine, property, infrastructure and investments. Keppel T&T is also listed on the Main Board of SGX-ST with logistics and data centre operations in Europe and Asia-Pacific. In Singapore, wholly owned subsidiary Keppel Logistics has more than 40 years of experience in offering customised integrated logistics solutions. It currently also operates logistics facilities with advanced IT infrastructure in China, Hong Kong, Malaysia, Indonesia, Vietnam and Australia.

Keppel Data Centres, Keppel T&T's data centre division has a track record of more than a decade in owning, developing and managing high quality carrier-neutral data centre facilities that support mission-critical computer systems. Keppel T&T is also the sponsor of Keppel DC REIT, the first data centre Real Estate Investment Trust (REIT) listed in Asia and on the SGX-ST. Together with assets owned through Keppel DC REIT, Keppel T&T has a global portfolio of 17 data centres located in key data centre hubs across Asia Pacific and Europe.

<http://www.keppeltt.com.sg>

About Keppel Land Limited

Keppel Land, a subsidiary of Keppel Corporation, is recognised for its sterling portfolio of award-winning residential developments and investment-grade commercial properties, as well as high standards of corporate governance and transparency.

The Company is geographically diversified in Asia, with Singapore and China as its core markets, as well as Vietnam and Indonesia as its growth markets.

Keppel Land is Asia's premier home developer, with a pipeline of more than 60,000 homes in Singapore and overseas. The Company is also a leading prime office developer in Singapore, contributing to enhancing the city's skyline with landmark developments such as Marina Bay Financial Centre, Ocean Financial Centre and One Raffles Quay. Keppel Land is committed to grow its commercial portfolio in key Asian cities such as Shanghai, Beijing and Tianjin in China, Ho Chi Minh City in Vietnam, Jakarta in Indonesia, Yangon in Myanmar and Manila in the Philippines.

<http://www.keppelland.com>

ADDENDUM

The terms of the MOU will see Huawei working closely with KDCH to provide an end-to-end Cognitive Data Centre Reference Architecture Framework for organisations to transform into intelligent enterprises. The framework will comprise seven layers of ICT infrastructure solutions to build AI-driven Cognitive Data Centre Platforms. The platform's intelligent and automated processing of data will provide enterprises with customisable on-demand storage resources to support rapidly-growing businesses by lowering operating and maintenance costs and increasing operational efficiency. Huawei's Smart Energy Management and Smart Data Centre Intelligence Monitoring (DCIM) ensure data centre operators achieve energy efficiency and high operational performance.

When fully-realised, Huawei and KDCH's Data Centre 3.0 vision of data centre development will see a fully customisable, intelligent and energy efficient data centre which will allow for the efficient and reliable deployment of industry solutions. This is especially crucial in an environment where enterprises need to make decisions quickly and effectively to capitalise on growth opportunities. To do this, data centre operators will need to move beyond traditional static hardware-defined operations, or Data Centre 1.0, to Data Centre 2.0 which comprises dynamic software-defined architecture. Huawei and KDCH will continue to invest in research and development to build on the features of Data Centre 2.0 such as Infrastructure-as-a-Service, Platform-as-a-Service and Software-as-a-Service and realise the vision of Data Centre 3.0.