

Press release

Evolving HGC GlobalCentre data centres into greener facilities

Watson Centre facility becomes first data centre in the Hong Kong and mainland China region to attain ISO 50001 energy management standard presented by SGS Hong Kong Limited

Hong Kong, 10 December 2014 - HGC GlobalCentre Limited (HGCGC), a joint venture between Hutchison Telecommunications Hong Kong Holdings Limited (HTHKH, stock code: 215) and Cheung Kong (Holdings) Limited (stock code: 1) today announced energy management measures that position its two data centres as new generation facilities capable of even greener sustainable development.

Deployment of a Vigilent's¹ dynamic cooling management system at the Cavendish Centre in Wong Chung Hang now boosts energy efficiency by reducing the volume of power consumed by air-conditioning. And the Watson Centre facility in Kwai Chung has been awarded ISO 50001 energy management system certification - the first such accreditation for data centres in the Hong Kong and mainland China region presented by SGS Hong Kong Limited, one of the world's leading certification companies - after adopting the standard. These bold moves underscore HGCGC's pioneering efforts in improving energy conservation.

Dynamic cooling management system cuts power consumption

The cooling management system is an automatic computer room air-con (CRAC) control system that draws on artificial intelligence to cool data centres by means based on the temperature of IT equipment air intake.

This new deployment at HGCGC's Tier 3+ data centre in Wong Chuk Hang covers 80 chilled-water CRACs and more than 1,100 racks over a gross floor space of 120,000 square feet. The system aims to slash annual air-con electricity consumption and carbon emissions by a hefty 30%. As a result, partial Power Usage Effectiveness (pPUE) - one of the key industry data centre energy efficiency metrics - is expected to improve by more than 10%. Energy dollars saved will be re-invested in ongoing data centre enhancement to the ultimate benefit of customers.

Accredited with ISO 50001 certification by SGS Hong Kong Limited

Launched earlier this year, HGCGC's Kwai Chung facility is currently the first and only data centre in the Hong Kong and mainland China region to achieve ISO 50001 certification presented by SGS Hong Kong Limited.

¹ *Vigilent, a strategic partner of NTT Facilities, Inc., in Asia, is a leader in intelligent energy management systems for data centres, telecommunications facilities and large commercial buildings.*

The standard was established in 2011 to help organisations maximise utilisation efficiency of energy resources, minimise emission of greenhouse gases and improve cost-effectiveness by managing consumption of energy. ISO 50001 follows a plan-do-check-act lifecycle designed to improve an organisation's energy management system.

Data produced by the Watson Centre's energy measures enables better decision-making in terms of consumption. Results are then assessed, as part of a recurring policy review process, to achieve continual improvement in energy management.

HTHKH's Chief Operating Officer, Jennifer Tan, said: "Demand for data centre services has soared as a result of cloud computing and eCommerce. In fact, the Hong Kong data centre market is expected to expand at a company annual growth rate of about 15% to reach US\$802.6 million in 2019 ²."

She added: "In the course of growing HGCGC's business, we will continue to adopt feasible energy-saving measures to reduce costs, benefit our customers and achieve sustainable development in the best interests of the environment."

Plans for the next two years include installing the Vigilent system at the Watson Centre and implementing ISO 50001 at the Cavendish Centre. Other green initiatives already implemented at the two data centres include:

- Monitoring and maintaining optimal chiller water temperature regularly
- Installation of variable frequency drive (VFD) for pumps and chillers
- Implementing containment systems for cold aisles
- Deployment of a building management system to monitor equipment operating parameters and maintain the data centre environment at a required service level

At-a-glance info on HGCGC's Wong Chung Hang and Kwai Chung data centres:

	Cavendish Centre, Wong Chuk Hang	Watson Centre Kwai Chung
Gross floor area	120,000 square feet	110,000 square feet (on completion of phase 2)
Racks	More than 1,100	About 2,000 (on completion of phase 2)
Tier	Tier 3+	Tier 3
Certification	<ul style="list-style-type: none"> • ISO 27001 accreditation for information security • Threat and Vulnerability Risk Assessment (TVRA) compliant 	<ul style="list-style-type: none"> • ISO 27001 certified for information security • ISO 50001 energy management standard

² Source: <http://www.frost.com/prod/servlet/press-release.pag?docid=283443892>

For more details about HGCGC, please visit www.hgcbc.com or call the enquiry hotline on 8191 9988.

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About HGC GlobalCentre Limited

HGC GlobalCentre Limited (HGCGC) is a joint venture between Hutchison Telecommunications Hong Kong Holdings Limited (stock code: 215) and Cheung Kong (Holdings) Limited (stock code: 1). The company provides local and international customer organisations with world-class services such as data centre facilities, cabinet colocation, managed services, IT operation outsourcing and disaster recovery solutions. Its data centres are located in Hong Kong Island and the New Territories, making HGCGC one of the few such operators with facilities located in two different districts. These data centres are designed according to TIA-942 tier-3 grade, or higher, standard and accredited with ISO 27001 information security management certification.

For more information on Cheung Kong (Holdings) Limited, please visit www.ckh.com.hk.

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