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Hong Kong's First Smart Grid Experience Centre Opens CLP Showcasing and Demonstrating the Latest Smart Grid Technologies and Projects

CLP Power Hong Kong Limited (CLP Power) today opened its Smart Grid Experience Centre, which is the first exhibition and education facility of its kind in Hong Kong. The Centre will help raise public awareness of smart grid by showcasing the features and benefits of smart grid together with the latest smart grid-specific technology and development. It will also demonstrate the research and development projects currently undertaken by CLP Power in this area.

Smart grid development is in line with an emerging global trend of power grid modernisation that will see transmission, distribution and metering infrastructures being integrated with advanced digital and communication technologies. The smart grid incorporates reliable and efficient infrastructures and intelligent systems and installations together with advanced monitoring and management solutions. By using a variety of sophisticated technologies, the smart grid will support renewable generation and utilisation, strengthen power grid resilience and engage customers more actively in energy saving and demand side management.

For supply networks, the smart grid combines renewable energy, distributed resources (including power storage devices), online condition monitoring and network/substation automation. Given its capacity for continuous monitoring and diagnosis of power equipment and network conditions, together with its automatic fault isolation and power restoration capabilities, the smart grid can enhance supply reliability, safety, efficiency and power quality. Two-way data communication between customers and the power company is also made possible with the availability of new technologies like smart meter, providing more choices and control for energy usage. This will help engage customers more actively in energy saving to achieve greater environmental and economic benefits.

Paul Poon, Chief Operating Officer of CLP Power, said, "CLP has established a Smart Grid Development Roadmap. Currently, we are focusing on strategic areas such as integration with intermittent renewable energy sources, transmission and distribution network management, customer interaction, last-mile communication networks and information technologies. We have a team dedicated to promoting smart grid development and are now engaged in the research and development of a number of demonstration projects, including self-healing systems for critical equipment, in order to explore the feasibility of launching smart grid technology in Hong Kong."

The Smart Grid Experience Centre is divided into four exhibition zones, featuring “Renewable Energy”, “Transmission and Distribution”, “Green and Smart Living” and “Enabling Technologies”. Each zone displays CLP’s demonstration projects on smart grid development currently underway. The Centre is open from Monday through Friday, 9:00 am–5:00 pm. Parties interested in a group visit to the Centre are welcome to call (852) 2678 7786 for an appointment.

About CLP Power

CLP Power Hong Kong Limited (“CLP Power”) is the Hong Kong utility subsidiary wholly owned by CLP Holdings Limited, a company listed on the Hong Kong Stock Exchange and one of the largest investor-owned power businesses in Asia. CLP Power operates a vertically integrated electricity supply business in Hong Kong, and provides a highly reliable supply of electricity and excellent customer services to 5.7 million people in its supply area.



CLP Power Smart Grid Experience Centre is now open to general public, which is the first exhibition and education facility of its kind in Hong Kong. The Smart Grid Experience Centre is divided into four exhibition zones, featuring “Renewable Energy”, “Transmission and Distribution”, “Green and Smart Living” and “Enabling Technologies”.



(Left) Mr. Paul Poon, Chief Operating Officer of CLP Power showcases smart meter (his right hand) and traditional meter (his left hand). Mr. Kwan Chung-ming, Senior Smart Grid Development Manager demonstrates how the power company and customers can achieve two-way communications through mobile devices.



Mr. Kwan Chung-ming, Senior Smart Grid Development Manager shows how the real-time online condition monitoring system keeps track and detect the potential problems and abnormalities of power equipment, so as to schedule timely maintenance and enhance supply reliability.



The “Enabling Technologies” zone showcases CLP’s telecommunications infrastructure and how the company makes use of the various sophisticated technologies for data exchange, analysis and back office operation.

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