

## (7) Powering Up Smart City

Session Organiser: CLP Power Hong Kong Ltd.

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### Session 2.13

#### SESSION OUTLINE

CLP's session will include building management of Hong Kong Airport, world-class Data Centre, smart power control from Science Park and CLP's energy management services. Our moderator will introduce the speaker background and do a shorten wrap up after each topics.

#### Presentation Rundown:

##### **Powering Up for Brighter Tomorrows** by CLP

- In this digital era, CLP has been proactive in innovating smart energy solutions to meet and exceed the expectations of our business and residential customers, and striding towards a smarter city.

##### **Big Data Era for Building Management** by Airport Authority Hong Kong

- Pilot trial of utilizing big data to enhance building management at North Satellite Concourse is completed in Feb 2017. The cloud-based software uses powerful analytics and performance monitoring dashboards to promote proactive operations, such as predictive maintenance and energy saving opportunities identification.

##### **Smart Power Control for Peak Load Compensation** by Hong Kong Science and Technology Parks Corporation

- Power supply at peak load is always inefficient and expensive. Capacity of electrical installation needs to cater for the peak load. Hence there is much benefit in reducing the peak load – reduce the use of less efficient generator, defer the transmission and distribution system upgrading, reduce the electricity tariff and finally, the reduction of CO2 emission. This presentation shows the experience in using a smart power control for peak load compensation in one of the buildings in Hong Kong Science Park

##### **How Hong Kong to be a Data Centre Hub in Asia in the Next Decade** by Hong Kong Data Centre Association

- Role of data centres in smart city development and how Hong Kong to be developed as a data centre hub in Asia in the next decade, especially when facing stiff competition from other Asian countries such as Singapore, Taiwan and Japan.

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#### SPEAKERS AND PRESENTATION TOPICS

1. **Powering Up for Brighter Tomorrows**  
Eric CHEUNG, Senior Director – Customer & Business Development, CLP Power (Hong Kong) Ltd., Hong Kong SAR
2. **Big Data Era for Building Management**  
Amen TONG, General Manager, Technical Services, Airport Authority Hong Kong
3. **Smart Power Control for Peak Load Compensation**  
Clement WONG, Head of Facility Management Hong Kong Science and Technology Parks Corporation
4. **How Hong Kong to be a Data Centre Hub in Asia in the Next Decade**  
Charles LEE, Founder and CEO OneAsia Network Limited & Newtech Technology Co Ltd