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Symposium on

# Electrical and Mechanical Safety & Energy Efficiency

*Engineering a Safe and Low-carbon Environment*

24 - 25 January 2011 Kowloon Shangri-La Hotel

## Background

To foster a safe and low-carbon environment, the Electrical and Mechanical Services Department (EMSD) of the Hong Kong Special Administrative Region Government has been promoting E&M safety and energy efficiency & conservation to our community through different channels. In this connection, EMSD is organizing a "Symposium on Electrical and Mechanical Safety & Energy Efficiency - Engineering a Safe and Low-carbon Environment" on 24 - 25 January 2011 addressing issues on electrical, gas, mechanical and railways safety as well as the efficient use of energy. Target audiences of this Symposium include local, mainland and overseas professionals from government departments, consulting firms, academics, trade associations, green groups and any other interested parties.

## The Programme

### Day 1 PM (24 January 2011)

#### Welcome Address

Ir Stephen Chan Hung-cheung, JP, Director of Electrical and Mechanical Services, HKSAR Government

#### Keynote Session

##### Impacts of Building Energy Code\*

Mr Rob MANNING, President, The Chartered Institution of Building Services Engineers

##### Power System Safety and Regulatory Strategy\*

Mr GUO Zhi, Director-General, South China Bureau, State Electricity Regulatory Commission of China

### Day 2 AM (25 January 2011)

Session Theme	Mechanical and Railways Safety	Electrical Safety
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Session Chairman	Ir Otto LT POON, BBS, OBE, President, Federation of E&MCA, Past President, The Hong Kong Institution of Engineers	Ir LEUNG Chi-ming, Joseph, Chairman, Electrical Safety Advisory Committee, HKSAR Government
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<b>Session Keynote: How Sustainable is the 21st Century Mass Transit Railway?</b>	Ir TC CHEW, Projects Director, MTR Corporation Limited	<b>Session Keynote: CLP's First Off-grid Commercial RE Supply Project for Dawn Island</b>
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<b>Rides Design Verification</b>	Mr Stefan KASPER, TÜV SÜD Industrie Service GmbH	Ir Paul WY POON, Chief Operating Officer, CLP Power Hong Kong Limited
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<b>Low Carbon Transportation Systems of Skytrak System</b>	Mr Adrain M GODWIN, Chairman, Lerch Bates Ltd.	<b>Session Keynote: Development of Renewable Energy Projects in Hong Kong - HK Electric's Experience</b>
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		Ir Frank FH LAU, General Manager (Projects), The Hongkong Electric Co., Ltd.
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		<b>Quality Improvement for Chinese Electrical and Mechanical Products and the Consumer Protection</b>
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		Prof WANG Chao, Chief Expert, Director, Institute of Industrial Product Inspection, Chinese Academy of Inspection and Quarantine (CAIQ), PRC
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<b>Chinese High Speed Railway Train Automatic Control System</b>	Professor CL WANG, Southwest Jiaotong University, PRC	<b>The Australian Experience: Works of an Electrical Supply Entity</b>
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		Mr Peter LAMONT, Executive Director, Electrical Safety Office, Department of Justice and Attorney-General / Chair, Electrical Regulatory Authorities Council, Australia and New Zealand / Chair, APEC EE Joint Regulatory Advisory Committee
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<b>Ocean Express - Regulatory Control, Operation and Maintenance Experience</b>	Ir William SHUM, Senior Electrical and Mechanical Engineer, Electrical and Mechanical Services Department, HKSAR Government and Ir George TSO, Executive Director, Engineering, Ocean Park	<b>Promoting Electrical Safety in the Transmission and Distribution of Electricity in Singapore</b>
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		Er Joseph MICHAEL, Senior Principal Engineer (Electricity Regulation), Energy Market Authority, Singapore
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		<b>Triple-play, Market Surveillance, Consumers and Manufacturers Working Together to Assure Better Electrical Safety</b>
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		Ir Jan DECONINCK, Chairman of Prosafe (Product Safety Enforcement Forum of Europe) / Head of Unit of Regional Service North at FPS Economy - Belgium / Former Advisor to the Belgian Deputy Prime Minister
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## Purposes of the Symposium

- Addresses concerned issues with key stakeholders and endeavors to strive towards sustainable growth, in connection with economic advancement and environmental conservation, through energy management and electrical, gas, mechanical and railways safety.
- Facilitates a multi-dimensional platform for policy makers, professional engineers, energy managers, business decision-makers, academics and internationally renowned experts to have the opportunity for in-depth knowledge sharing and information exchange on the subjects of electrical, gas, mechanical and railways safety and energy efficiency.
- Enhances understanding and cultivates cooperation among all the concerned parties through sharing ideas and views on the issues of electrical, gas, mechanical and railways safety and energy efficiency.

#### Opening Address

Mr Edward YAU, JP, Secretary for the Environment, HKSAR Government

#### Managing the Human Contribution to Risk at Major Accident Hazard Installations

Mr Nick DICKETY, HM Specialist Inspector (Human Factors), Gas & Pipelines Unit, Hazardous Installations Directorate, Health & Safety Executive, Great Britain

#### Regulatory Relations, Culture and Safety

Mr Rob BURROWS, Director Rail Safety, Office of Rail Safety, Department of Transport, Western Australia



## Lunch

### Welcoming Remarks

Ir Frank CHAN Fan, JP, Deputy Director / Regulatory Services, Electrical and Mechanical Services Department, HKSAR Government

### Lunch Speech - The Transition to a Low-carbon Economy

Ir Prof Reuben PK CHU, President, The Hong Kong Institution of Engineers

## Day 2 PM (25 January 2011)

Session Theme	Energy Efficiency	Gas Safety
Session Chairman	Ir Edmund KH LEUNG, SBS, OBE, JP, Chairman, Energy Advisory Committee / Past President, The Hong Kong Institution of Engineers	Ir James KWAN, JP, Past President, The Hong Kong Institution of Engineers
	<b>Session Keynote: Minimum Energy Performance Standards and Labelling*</b> Mr Terry COLLINS, Manager Products, Energy Efficiency and Conservation Authority, New Zealand	<b>Session Keynote: The Green Journey of Towngas Asset Management</b> Ir SHAM Man Fai, General Manager - Production, The Hong Kong and China Gas Company Limited
	<b>Electric Vehicle Charging Systems and Energy Storage</b> Prof Eric CHENG, The Hong Kong Polytechnic University	<b>Making the Best Use out of Gas Inspectors</b> Mr Ignazio CANNIZZO, Manager, Complex Gas Appliance Safety, Energy Safe Victoria, Australia
	<b>Decomposing Residential Energy Use in Hong Kong</b> Prof William CHUNG, City University of Hong Kong / Ir MS KAM, Senior Electronics Engineer, Electrical and Mechanical Services Department, HKSAR Government / Ir Raymond FONG, Principal Consultant, Hong Kong Productivity Council	<b>Design and Safety Consideration for the New Submarine Gas Pipeline to Black Point Power Station</b> Mr John CULLEN, Project Director, LNG and Pipeline Systems Project, CLP Power Hong Kong Limited and a speaker from Mainland Partner
	<b>LED Standards and Measurements*</b> Prof TS MOU, Zhejiang University, PRC	<b>LPG Cavern Storage Principle, Monitoring and Maintenance</b> Mr CAI Wei, Senior Engineer, Ningbo Platinum LPG Co., Ltd.
	<b>The APEC Energy Demand and Supply Outlook to 2030 and Its Implications for Energy Security and Sustainability</b> Dr Ralph D SAMUELSON, Vice President, Asia Pacific Energy Research Centre	<b>HKSAR Government's Risk-based Approach on Regulating Gas Installations in Hong Kong*</b> Representative from the Gas Standards Office, Electrical and Mechanical Services Department, HKSAR Government
	<b>Building Energy Code - The Way Towards Low Carbon Buildings</b> Ir Ken YEUNG, Senior Building Services Engineer, Electrical and Mechanical Services Department, HKSAR Government	

\*Tentative title of paper Note : All details are subject to change without further notice

<b>Date &amp; Time</b>	24 January 2011 (Monday), 13:30 - 17:00	25 January 2011 (Tuesday), 08:45 - 17:00
<b>Venue</b>	Grand Ballroom, Lower Level I, Kowloon Shangri-La Hotel, 64 Mody Road, Tsimshatsui East, Kowloon, Hong Kong	
<b>Language</b>	Simultaneous interpretation (SI) will be provided between English and Putonghua in the Keynote Session on 24 January 2011.	
<b>Registration Fee</b>	HK\$1,600 including: • 1-1/2-day Symposium • Symposium proceedings • Tea breaks & lunch	
<b>Registration &amp; Payment</b>	• Complete the Registration form and fax it to (852) 8143 0048 for reservation. • Cheque payment should be made payable to "HKSAR Government" and sent to Ms April LI, Symposium Secretariat, Horizon-Dobson Ltd, 15/F, King's Commercial Centre, 25 King's Road, Hong Kong, within 2 weeks after reservation has been made.	
<b>Registration Deadline</b>	14 January 2011	
<b>Symposium Secretariat</b>	For further information, please contact the Symposium Secretariat, Ms April LI [Tel: (852) 9058 7800; email: aprilagc@gmail.com] or Ms Winnie WU [Tel: (852) 9219 8667; email: yung2_hk@yahoo.com.hk] or Ms Mandy LEUNG [Tel: (852) 2882 2229; email: mandy@horizondobson.com].	

"To: Ms April LI, Symposium Secretariat [Fax No.: (852) 8143 0048; Email: aprilagc@gmail.com]  
Horizon-Dobson Ltd, 15/F, King's Commercial Centre, 25 King's Road, Hong Kong"

## Symposium on Electrical and Mechanical Safety & Energy Efficiency - Engineering a Safe and Low-carbon Environment 24 - 25 January 2011

### Registration Form

Name \_\_\_\_\_ Position \_\_\_\_\_

Organisation \_\_\_\_\_

Mailing Address \_\_\_\_\_

Tel \_\_\_\_\_ Fax \_\_\_\_\_ Email (must provide) \_\_\_\_\_

### Contact Person (if any)

Name \_\_\_\_\_ Tel \_\_\_\_\_ Fax \_\_\_\_\_

Email Address (must provide) \_\_\_\_\_

- Important
1. Cheques should be crossed and made payable to "HKSAR Government" and are subject to bank clearance.
  2. **Registration fee is not refundable** unless the Symposium Secretariat is notified in writing of your withdrawal on or before 14 January 2011. A handling charge of HK\$200 will be levied.
  3. An applicant may, subject to approval from the Organizer, nominate a substitute to attend the Symposium on his/her behalf.
  4. Successful applicants will be notified by email or fax.

If you do NOT wish to receive any promotional materials in future, please tick the box, complete your details and fax this page to (852) 8143 0048.

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