

Webinar: Climate Change Mitigation - What can we do right now?

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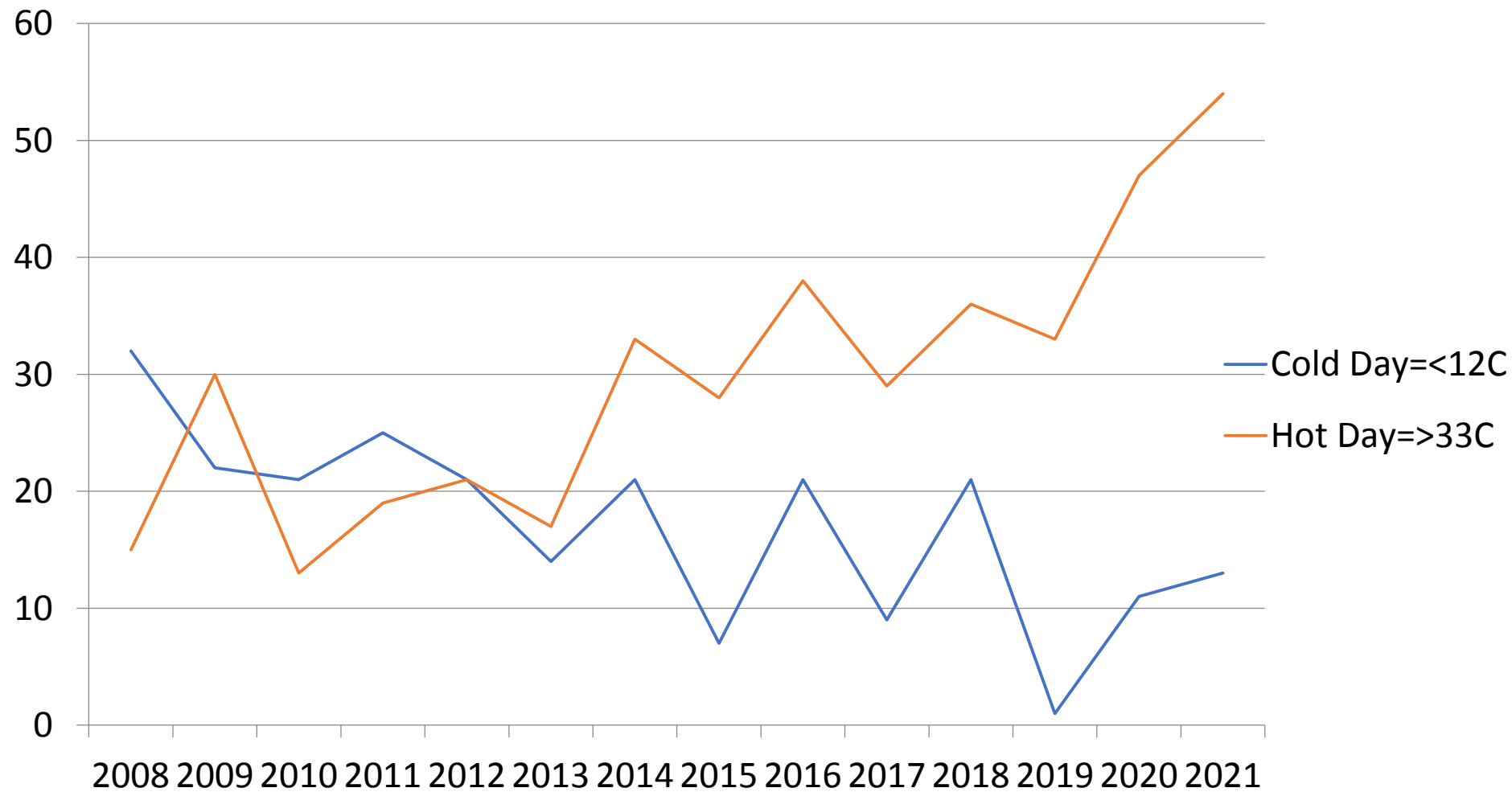
Welcome Speech

Felix Lam
Head of Sustainability
Green Council



Data sharing for re-think on climate change

(1) More hot-days but Less cold-days



Source: Hong Kong Observatory

(2) Energy Intensity (~energy efficiency of GDP)

Total Energy Consumption by End Use

	Energy End Use (TJ)	GDP (\$Billion)	Energy Intensity (TJ per \$Billion)	Population (million)	Energy Consumption (GJ Per Capita)
2009	278,799	2,147	130	7	40
2019	286,488	2,845	101	7.5	38.2
	+ 2.76%	+32.5%	- 22.3%	+7.1%	- 4.5%

Source: Hong Kong Energy End-use Data 2021 by EMSD

Good: GDP grows 33% but energy intensity reduces 22%

Opportunity: People are moving to reduce energy (- 4.5% in 10 years) but not moving fast enough.

(3) Total Energy Consumption by sector

	Energy End Use (TJ)	Residential (TJ)	Commercial (TJ)	Population (million)	Transport (TJ)	Industrial (TJ)
2009	278,799	57,731	114,297	7	90,643	16,129
2019	286,488	61,026	124,457	7.5	88,730	12,829
	+7,689	+3,295	+10,160		-1,913	-3,300
	+ 2.76%	+5.7%	+8.9%	+7.1%	- 2.1%	-24%

Source: Hong Kong Energy End-use Data 2021 by EMSD

- Our energy consumption has been reduced mainly from Transport and Industrial sectors.
- The energy consumption of residential and commercial sectors has been in-line with population growth.

Webinar: Climate Change Mitigation - What can we do right now?

Welcome our speakers!

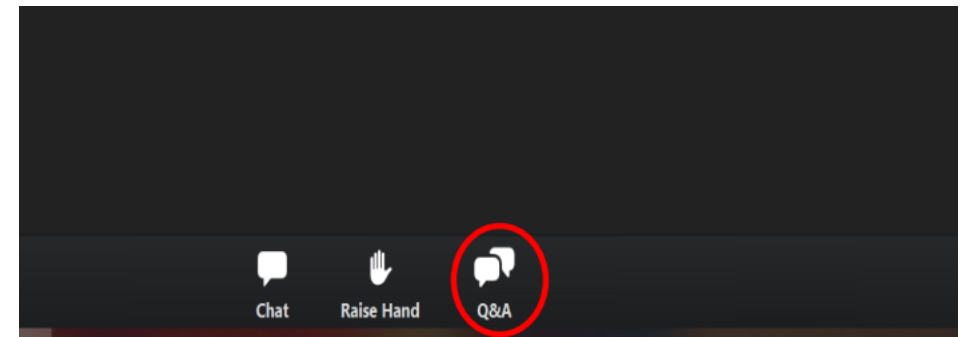


Topics

	Topic
1	Green Transformation for All towards Carbon Neutrality Ir Raymond KY Poon, Deputy Director, the Electrical & Mechanical Services Department, The HKSAR Government
2	Sino Group's ESG and Sustainability Strategies Ms Melanie Kwok, Assistant General Manager (Sustainability), Sino Group
3	Climate Change Mitigation: KONE Experience Ir. Henry N S Cheung, Managing Director, KONE Elevator (Hong Kong) Limited
4	Cutting Carbon in Construction Ms Emma Harvey, Group Sustainability Manager, Gammon Construction Limited
5	Achieving an ambitious emission targets in building management Dr. Raymond Yau, General Manager, Technical Services and Sustainable Development, Swire Properties Limited

Housekeeping on this webinar

- All attendees are muted.
- If you have any questions for speakers, you may write them at the Q&A box.
- Question to speaker will be addressed at end of his/her presentation.
- All presentation slides and recording will be posted at Green Council website.
- Attendees will receive a Certificate of Attendance for this 3 hours webinar after a completion of feedback survey.
- 10 minutes break at the middle of webinar



Green Transformation for All towards Carbon Neutrality



Keynote Speaker

*Ir Raymond KY Poon,
Deputy Director, the
Electrical & Mechanical
Services Department,
The HKSAR Government*

Ir Raymond KY POON is the Deputy Director of the Electrical and Mechanical Services Department. He is overseeing the enforcement of legislations in ensuring public safety on using electricity, gas, railway and other electrical and mechanical installations, and promoting energy efficiency and conservation as well as application of renewable energy in Hong Kong.

Ir POON has been working in the government for over 25 years and taken up professional and managerial roles in the areas of engineering services, project management, business development as well as regulatory enforcement. Ir POON received his Bachelor of Engineering degree in Electrical and Electronics Engineering and Master of Science degree in Environmental Management from the University of Hong Kong. He has also obtained his Executive MBA degree from the Chinese University of Hong Kong in 2019.

Sino Group's ESG and Sustainability Strategies



Speaker

*Ms Melanie Kwok,
Assistant General
Manager (Sustainability),
Sino Group*

Melanie is the Assistant General Manager (Sustainability) of Sino Group, she oversees a range of sustainability projects related to ESG Stakeholder, Stakeholder Engagement and Heritage Conservation. Being a specialist in the realm of Sustainable Development for over 13 years, Melanie has also gained extensive experiences in Sustainable Tourism and Stakeholder Engagement.

Melanie holds a Bachelor of Science Degree in Environmental Management from the Imperial College London, a Master Degree of Science in Environment and Development from the London School of Economics and Political Science, a Postgraduate Degree in Sustainable Business from the University of Cambridge. She is also a certified Sustainable Tourism Professional by Global Sustainable Tourism Council.

Climate Change Mitigation: KONE Experience



Speaker

*Ir. Henry N S Cheung,
Managing Director, KONE
Elevator (Hong Kong)
Limited*

Ir. Henry Cheung was a graduate of the University of Toronto Faculty of Applied Science and Engineering, Division of Engineering Science. He also attained the qualification of Master of Business Administration from Deakin University in Melbourne, Australia .

Ir Henry Cheung has over 30 years' experience in the railway engineering industry, serving in various capacities in the client, consultant and supplier organization and has delivered railway systems around the world. His most notable contribution was his leadership in the first replacement of a signalling system to the Hong Kong MTR network and the introduction of the first Communication Based Moving Block Train Control system to the KCRC West Rail and Ma On Shan Lines.

Ir Cheung is renowned in the local engineering community and global railway industry. He has served in various positions in many professional institutions and has lectured in post-graduate level railway engineering courses.

Cutting Carbon in Construction



Speaker

Ms Emma Harvey, Group Sustainability Manager, Gammon Construction Limited

Emma is Group Sustainability Manager for Gammon Construction Limited. She joined Gammon in 2015 and is responsible for advising on project-specific environmental issues as well as driving sustainability initiatives across Gammon. Her current focus is on implementation of their Responsible Growth – 25 by 25 sustainability strategy.

Emma has 25 years' professional experience in Hong Kong, Shanghai and Ho Chi Minh City. Her background covers environmental consulting, multi-disciplinary project management, value and construction risk management facilitation, business development, sustainable urban planning, tourism planning and green buildings.

Emma is a member of the Business Environment Council's Climate Change Business Forum, the Executive Committee of the HK Institute of Environmental Impact Assessment, the HK Green Building Council's Sustainable Development Committee, and serves as a Vice Chair of the British Chamber of Commerce's Environment and Energy Committee.

Achieving an ambitious emission targets in building management



Speaker

Dr. Raymond Yau, General Manager, Technical Services & Sustainable Development, Swire Properties Limited

Dr. Raymond Yau is General Manager of Technical Services & Sustainable Development at Swire Properties (SPROPS). Raymond is currently Director of Hong Kong Green Building Council, Chair of Expert Group on Super Low Energy Target Setting and Certification and Technical Committee Chair on Advancing Net Zero Ideas Competition. Raymond also serves as member of Advisory Council on the Environment, BOD of Business Environment Council, founding member of IWBI Governance Council, GRESB Standard Review and China Green Building Council.

At SPROPS as GM TSSD since 2016, he leads few important initiatives including formulation of SD2030 strategies, digital innovation of energy management platform, climate risk assessment, 1.5°C aligned Science-based Targets setting (2025 & 2030) and implementation strategies of carbon emission and energy reduction, paving way to net zero by 2050, and ESG green finance framework. Raymond also works as representative at Tsinghua University - SPROPS Joint Research Center on Building Energy Efficiency and Sustainability to conduct research for projects in HK and Chinese Mainland including GBA.

Thank You for your listening!

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