

Webinar on Building and Construction - What are the missing hotspots?



In Hong Kong, over 60% of our carbon emissions is attributable to generating electricity for our buildings. However, carbon emissions are released not only during daily usage of electricity but also during the materials manufacturing, transportation, buildings construction and end of life dismantle. These emissions, commonly called embodied carbon, are locked in place as soon as a building is built, contribute around 13% of all global carbon emissions according to [Architecture 2030](#). Speakers are invited to share their experience and insights in decarbonising embodied carbon in buildings and construction industry.

Date and Time : 23rd February 2023, 14:00 to 16:50

Venue : ZOOM

Language : English

Rundown (tentative)

Time	Speaker
13:45 - 14:00	Registration
14:00 -14:05	Welcome Speech <i>Mr. Felix Lam, Head of Sustainability, Green Council</i>
14:05 - 14:30	Reducing Embodied Carbon: Options for Hong Kong <i>Professor Jack C.P. Cheng, Associate Head and Professor, Department of Civil and Environmental Engineering, HKUST</i>
14:30 - 14:55	The Way Forward for Low Carbon Construction Materials <i>Mr. James Yiu, Council Member, Institute of Materials, Minerals & Mining – Hong Kong Branch (IOM3 HK)</i>
14:55 - 15:20	Concrete Sustainability: from Cradle to Grave <i>Mr. Eddy Tsang, Chief Executive Officer, Cheung Kong Infrastructure Materials / Green Island Cement (Holdings) Limited</i>
15:20 - 15:35	Break
15:35 - 16:00	Impact of Recycled Materials in Construction Materials <i>Mr. Shervin Sharghy, CEO and Founder, EcoBricks</i>
16:00 - 16:25	Contribution of Bamboo in Carbon Net Zero, Limitations in Hong Kong and Way forward <i>Mr. Alex Chui, Managing Director, Bamboo International (Group) Co., Ltd.</i>
16:25 – 16:50	Redesign the Construction Value Chain for Reducing Embodied Carbon <i>Mr. Ken Ho, Senior Manager (Sustainability & Environment), Hip Hing Construction Co., Ltd.</i>
16:50	End of Webinar

Remarks:

*Speakers may modify the title of presentation.

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Speaker Biography

Professor Jack C.P. Cheng, Associate Head and Professor, Department of Civil and Environmental Engineering, HKUST

Dr Jack Cheng is the Associate Head and a Professor in Civil and Environmental Engineering, Associate Director of GREAT Smart Cities Institute, Director of BIM Lab, and Director of RFID Center at the HKUST. He obtained his PhD degree from Stanford University. He has led a number of research and development projects in the areas of smart buildings and construction. He is an author of over 250 international journal and conference publications.

He is currently the Chairperson of Hong Kong Construction Industry Council (CIC) BIM Standards Task Force, the Honorary Treasurer of Hong Kong Institute of Building Information Modeling (HKIBIM), a Council Member of CIC, a Director of Hong Kong Green Building Council (HKGBC), and a Member of the BIM Committee at CIC. He is a Past President (2019-2020) of American Society of Civil Engineers (ASCE) Greater China Section and Past Chairman (2017-2021) of Autodesk Industry Advisory Board (AIAB). He is a Fellow Member of Hong Kong Institute of Civil and Building Information Management (HKICBIM), Professional Member of HKIBIM, CIC Certified BIM Manager (CCBM), and Certified Carbon Auditor Professional (CAP).



Mr. James Yiu, Council Member, Institute of Materials, Minerals & Mining – Hong Kong Branch (IOM3 HK)

James is the Council Member of the IOM3 HK, and Business Development Manager of Alliance Construction Materials, which is a joint venture between Cheung Kong Infrastructure and HeidelbergCement focusing on concrete and rock products supply in Hong Kong.

He has over 14 years of experience in the industry designing supply chain solutions that meet with market needs. He graduated from the University of Hong Kong with MPhil in Materials Science. In Alliance Construction Materials Limited, he works collaboratively with internal and external leaders to help enhance business performance in a sustainable way.



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Mr. Eddy Tsang, Chief Executive Officer, Cheung Kong Infrastructure Materials / Green Island Cement (Holdings) Limited

Eddy is the Chief Executive Officer of Cheung Kong Infrastructure Materials and Green Island Cement (Holdings) Limited. He is also an Executive Director of Green Island Cement Company Limited, Green Island International (BVI) Limited, Green Island Environmental Limited and Anderson Asia (Holdings) Limited and he is a director of EnviroNZ, the 2nd largest environmental and waste management company in New Zealand. He joined the CK Group in January 2005.

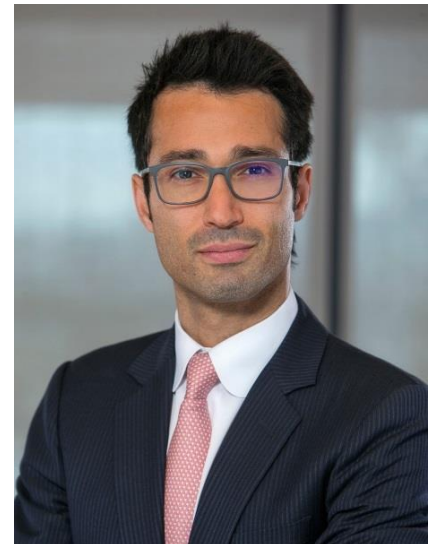
He is a member of Chartered Accountants Australia and New Zealand, the Hong Kong Institute of Certified Public Accountants and the Chartered Governance Institute, and is currently the Chairman of Hong Kong Construction Materials Association Limited, a fellow member of Institute of Quarrying, a committee member on Committee on Construction Business Development of Construction Industry Council.



Mr. Shervin Sharghy, CEO and Founder, EcoBricks

A former investment banker turned impact entrepreneur, Shervin has dedicated himself to developing a financially viable and scalable solution to the global plastic waste crisis and reducing the environmental damage and carbon footprint of the construction industry.

He launched EcoBricks in Hong Kong as a 100% circular economy solution to waste plastic that would otherwise end up in landfills or the ocean. By turning waste that is deemed to be worthless into high quality building materials, his vision is to demonstrate that the dividing line between trash and a valuable commodity is simply innovation.



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Mr. Alex Chui, Managing Director, Bamboo International (Group) Co., Ltd.

Alex has over 30 years' experience in the real estate and building industry. After a highly successful professional career in real estate development and investment taking up senior management positions in globally leading real estate and investment organizations, Alex decided he will dedicate his next phase of life in public services and environmental sustainability.

In environmental sustainability, Alex has chosen to promote the application of bamboo in our daily life, not just because of the sustainability and low carbon nature of the material, but bamboo industry in China is a policy direction to improve the livelihood of farmers in general. It is a win-win endeavour, commercially, environmentally, and socially.



Mr. Ken Ho, Senior Manager (Sustainability & Environment), Hip Hing Construction Co., Ltd. BEAM Pro, LEED AP, WELL AP, GBL Manger, MCIWEM, MHKIQEP

Ken Ho is Senior Manager (Sustainability and Environment) of Hip Hing Construction Co. Ltd. He is responsible for leading the corporate towards Net Carbon Zero and governing green building standards in construction projects, including application of BIM and MiC. He promotes electrification in construction process to reduce consumption of fossil fuel and so as to reduce carbon emission.



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Supporting Organizations:



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