

Construction Industry Council

Committee on Environment and Sustainability

Meeting No. 001/25 of the Committee on Environment and Sustainability for 2025 was held on Tuesday, 11 March 2025 at 3:30 pm in the Board Room, 29/F, Tower 2, Enterprise Square Five (Megabox), 38 Wang Chiu Road, Kowloon Bay, Kowloon, Hong Kong and online via Microsoft Teams.

Present:	Clarence LEUNG	(CLWK)	Chairperson
	Terence LAM*	(TmL)	Prin AS (Works) 5, Development Bureau
	Vincent HA*	(VHa)	AS (Works Policies 5) 1, Development Bureau
	Anthony CHAN*	(AyC)	
	Thomas CHAN*	(TCCT)	
	Irene CHENG*	(ICW)	
	Victor CHEUNG*	(VC)	
	HUANG Jianxiang	(HJX)	
	Rodney IP*	(RICW)	
	KAN Jun*	(KJ)	
	Raymond KWOK	(RKWM)	
	Sunnie LAU*	(SLSY)	
	Kevin MA*	(KMHM)	
	Henry NGAI	(HNHS)	
	WU Siu-kei	(WSK)	
	Andrew YOUNG*	(AYMC)	

In Attendance:	Raymond CHAN*	(RC)	Adviser
	Helen TAI*	(HT)	Architect 78
	Albert CHENG	(CTN)	Executive Director
	Alex HO	(AHKK)	Director – Industry Development
	Timothy LEUNG	(TLeung)	General Manager – Industry Development
	Leo HIU	(HLH)	Manager – Management Support
	Margaret HO	(MHo)	Senior Manager – Environment and Sustainability (E&S)
	Max CHIN	(MChin)	Manager – E&S
	Ivan CHIU	(IChiu)	Manager – E&S
	Laraine CHAU*	(LChau)	Assistant Manager – E&S
	Lynn CHENG*	(LCheng)	Assistant Manager – E&S
	Jane LING	(JLing)	Senior Officer – E&S
	Ray CHAN*	(RChan)	Senior Officer – E&S
	Susan LEE	(SL)	Officer – E&S
Presenter:	Alex KATSANOS		Aurecon Hong Kong Limited (Aurecon)
	Gabriella ZHANG		Aurecon
	Monika LAU		Aurecon
	James WONG		Arcadis Consultancy Hong Kong Limited (Arcadis)
	Hadley LIU*		Arcadis
	Coco CHIN*		Arcadis

Joanne NG*	Arcadis
Heidi HUI*	Hong Kong Green Building Council (HKGBC)
Ivy LEE*	HKGBC
POON Chi-sun *	The Hong Kong Polytechnic University (PolyU)
LU Jian-xin*	PolyU

Apologies:	Tim LI	(TMLW)	Ch Architect 3, Housing Department
	KWOK Hing-wun	(HWK)	
	Rex WONG	(RxW)	

* Attended the meeting online via Microsoft Teams

MINUTES

Action

1.1 Confirmation of the Minutes of the Previous Meeting

Members confirmed the minutes CIC/E&S/M/004/24 of the last Com-E&S meeting No. 004/24 held on Thursday, 28 November 2024.

All to Note

1.2 Latest Updates of Accidents and Upcoming Safety Events

The CIC Secretariat updated Members on the CIC's latest safety publications/events.

All to Note

1.3 Matters Arising from the Previous Meeting

The CIC Secretariat updated Members on the following matters:

(a) Item 4.4 – Progress Updates on Smart Waste Management Tool (SWMT)

Members were informed that the enhancement of automatic data input for SWMT will be explored, and will be incorporated in the future phases of the project if deemed appropriate.

Members were briefed on the latest efforts for promotion on wider adoption of the SWMT, including addressing the Housing Authority's (HKHA) suggestions, ongoing communication with the Environmental Protection Department (EPD) regarding the interface with C·Easy System, and incorporating the SWMT into the Hong Kong Institute of Construction's (HKIC) Environmental Officer Course to promote its application as a daily practice on construction sites.

Members were informed that the transition between the project consultants for the SWMT Phase One and Phase Two Development has been successfully completed.

Action

(b) Item 4.5 – Revision to the User Guide and Technical Requirements for the CIC Sustainable Finance Certification Scheme (SFCS)

Members were informed that the updated user guide and technical requirements will be uploaded to the SFCS website once an ongoing application is completed. Corresponding changes to the application portal will also be carried out.

Members were informed that stakeholder engagement and interviews with banks, suppliers and contractors for the enhancement and repositioning study of SFCS are currently being conducted.

(c) Item 4.6 – Proposed Composition for the Organising Committee of the CIC Sustainable Construction Award (SCA) 2026

Members were updated that the SCA Organising Committee (OC) has been established. While one nominee had declined the invitation, Dr. Tony Ip, who is the CIC Zero Carbon Park's Board Member, has been appointed.

The first OC meeting was conducted on 6 March 2025.

(d) Item 4.7 – Progress Updates on Feasibility Study on Construction Site Electrification and Clean Energy Adoption

Members were informed that the Consultant, Arcadis will include the Members' suggestions raised in the last meeting in the Final report.

(e) AOB item – ESG Network Program

Members were briefed that CIC joining the Bank of East Asia's (BEA) ESG Network Programme, is planning to co-organise a workshop with BEA in June/July 2025 to promote green finance and green technology.

Action

1.4 **Progress Updates on Smart Waste Management Tool, Phase Two**

(Representatives of Aurecon joined the meeting at 15:38)

Members were briefed on the latest progress on the exploratory study on alternative construction methods, tools and services for reducing timber waste (Timber Study) and the development of the Material Exchange Platform (Platform). Four stage deliverables and payment were approved by the project Working Group on 18 February 2025.

Timber Study

Members were briefed on the five focus areas expanded from the 3R (Reduce, Reuse and Recycle) approach, the proposed solutions for reducing timber waste, and the key feedback collected from stakeholder engagement workshops and an online survey conducted for the study.

Platform

Members were briefed on the key findings from stakeholder engagement and the Platform's core functions and features through a demonstration. The User Acceptance Test (UAT) will continue until mid-April.

Members were invited to provide advice on the proposed brand names. The CIC Secretariat will invite members to vote on the proposed brand names through circulation. Members agreed to develop a Platform logo for brand visibility.

CIC
Secretariat/
Aurecon

Members suggested to include an "Ideas Corner" in the Platform for Platform operator to share ideas on material reuse and recycling with the users. Aurecon will explore this suggestion with a review of the implementation plan, including the terms & conditions and the Privacy Impact Assessment (PIA) of the Platform.

CIC
Secretariat/
Aurecon

Action

Members suggested including the “Request Material” function in the Platform. Aurecon elaborated the design and strategic plan for the two-way (trading materials and requesting materials) exchange in the Platform. The requested feature will be further studied and developed in the next phase as appropriate.

CIC
Secretariat/
Aurecon

Members suggested enhancing the notification channels for Platform users. Aurecon will explore the email notification function to alert users who are looking for specific materials.

CIC
Secretariat/
Aurecon

Members were briefed on the next steps of the project, including the recommendation proposals of the Timber Study, fixing problems spotted in UAT, production deployment, implementation and promotion plan of the Platform.

(Representatives of Aurecon left the meeting at 16:12)

1.5 Progress Updates on Feasibility Study on Construction Site Electrification and Clean Energy Adoption

(Representatives of Arcadis joined the meeting at 16:15)

Members were briefed on the project progress update, key findings from the case studies and upcoming deliverables of the Feasibility Study.

Members expressed concerns about the availability of sufficient power supply to support site electrification, especially for remote sites. However, according to power companies’ advice, sufficient power supply could be made available with advance planning and application. Arcadis shall further study this matter.

Arcadis

Members suggested exploring a case study in Australia on converting diesel commercial truck to direct hydrogen combustion.

Arcadis

Action
Arcadis

Members suggested including industry-wide suggestions and cost-benefit analysis in the Final Report and studying the gap regarding carbon emission projections and estimation between this report and CIC’s previous study on “Strategy and Directional Guideline to Achieve Carbon Neutrality”.

(Representatives of Arcadis left the meeting at 16:47)

1.6 Progress updates of the CIC GPC Enhancement study

(Representatives of HKGBC joined the meeting at 17:13)

Members were briefed on the overall progress updates on the scheme operation and the Enhancement Study including the progress to engage more Verification Bodies, cybersecurity of the new website, transition arrangement from existing scheme to enhanced scheme, and upcoming deliverables.

Members noted that the application fee for “Construction Materials” and “Building Products and Materials” will be aligned to HK\$1,500, while the license fee will remain unchanged. Members were informed the Launching Ceremony of GPC Enhancement, will be postponed pending on detailed arrangement of officiating guests’ schedule and venue availability.

CTN requested that all presenters of the CIC Funded Projects including R&D Funded Projects shall attend in person in the future Com-E&S meetings, and to report on the KPI completion progress.

HKGBC,
PolyU

CTN suggested that the Launching Ceremony should clearly demonstrate the partnership between the CIC and HKGBC, in which the CIC is the scheme owner and HKGBC is the scheme operator.

The CIC expressed concerns about the cyber security of the existing GPC website. HKGBC updated that Security Risk Assessment and Analysis (SRAA) on the existing website had been conducted, and efforts are underway to resolve the identified issues as soon as

HKGBC

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possible.

(Representatives of HKGBC left the meeting at 17:30)

1.7 Progress Updates in CIC R&D Fund Project – Tailoring New-Generation Low-carbon Concrete for Green Construction: Engineering Applications towards Carbon Neutrality

(Representatives of PolyU joined the meeting at 16:50)

Members were briefed on the project progress update. CTN suggested that a comparison of cost implications between the research material and conventional materials shall be made, such as normal concrete.

PolyU

CLWK requested PolyU to present an executive summary to conclude the findings in the stage deliverable and to include the above-mentioned cost study in the next stage.

PolyU

Members suggested comparing the carbon reduction achieved by using glass powder with that of GGBS that is commonly used in the market. PolyU updated that the comparison will be conducted in the 6th Milestone of the project.

(Representatives of PolyU left the meeting at 17:13)

1.8 Progress Updates on HKGBC Funded Projects

(Representatives of HKGBC joined the meeting at 17:30)

Members were briefed on key objectives, event theme, timeline, proposed events and progress updates on Hong Kong Green Building Week (HKGBW) 2025.

Members were reported on the plan and progress update of Hong Kong Green Shop Alliance (HKGSA) 2025. Members noted the proposed workshop topic in HKGSA and the HKGBA Award will

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be conducted in a 2-year cycle.

(Representatives of HKGBC left the meeting at 17:41)

1.9 **AOB**

Assessment Criteria Enhancement Proposal on CIC SCA 2026

– Members were briefed on the key milestones, proposed enhancements in categories, eligibility, awards, judging criteria and application period. The new judging criteria will incorporate “Safety Culture”, and a “Low-Carbon Citation” will be introduced in SCA 2026.

CIExpo Green Construction Conference – Members were informed that SCA 2026 Launching Ceremony will be held at the international conference session on “Sustainable and Smart Construction” during the CIExpo 2025.

Members were briefed on the proposed rundown and speakers. The CIC Secretariat will update the progress of invitations to Members in due course.

HKSTP – Partnership on GreenTech Hub – Members were briefed on HKSTP’s newly launched space GreenTech Hub, in which CIC has joined as one of the collaboration partners.

ReThink HK 2025 Strategic Partnership – Members were informed that ReThink HK 2025 had invited CIC as a strategic partner with following offerings: one 2 x 2 sq.m booth, two seminar sessions and one workshop. Three CIC Green Product Certification licensees will exhibit at ReThink HK 2025 forming the CIC GPC Pavilion.

Hong Kong Circular Built Environment Guidebook – Members were briefed on the progress update of collecting local showcases. Members were informed that the Guidebook is targeted to launch during EcoExpo Asia 2025. Members supported the CIC as one of

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the co-authors of the Guidebook with HKGBC and BEC.

The CIC Secretariat will follow up on the E&S budget allocation for the Guidebook.

CIC
Secretariat

Hang Seng Seminar – Members were briefed that Hang Seng Bank had invited the CIC to co-organise a seminar for green finance and green construction technology. The seminar shall be held in May 2025 at Zero Carbon Park.

1.10 Tentative Date of Next Meeting No. 002/25

Next Meeting is scheduled for 3 June 2025 (Tuesday), 2:30 pm, in the Board Room, 29/F, Tower 2, Enterprise Square Five (Megabox), 38 Wang Chiu Road.

All to Note

CIC Secretariat
March 2025