

**Construction Industry Council**

**Committee on Environment, Innovation and Technology**

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Meeting No. 001/16 of the Committee on Environment, Innovation and Technology for 2016 was held on 30 March 2016 (Wednesday) at 2:30 pm at CIC Headquarters, 15/F, Allied Kajima Building, 138 Gloucester Road, Wanchai, Hong Kong.

Present:	Kevin POOLE	(KP)	Chairman
	Reuben CHU	(RCU)	
	Ivan Chin-shing FU	(FI)	
	Siu-wai HUI	(SWH)	Director of Buildings
	Robert LAM	(PHL)	
	Christopher LEUNG	(KYL)	
	Ringo Shek-man YU	(RiYu)	Chairperson of Task Group on Strategy for Management and Reduction of Construction and Demolition Waste in Hong Kong (TG-MRW)
	Sai-yen YU	(SYYu)	
In Attendance:	Harry LAI	(HLA)	Electrical and Mechanical Services Department (EMSD)
	Samson LAI	(SLyk)	Environmental Protection Department (EPD)
	Alex LAM	(ALam)	Environmental Protection Department (EPD)
	Vincent MAK	(VM )	Development Bureau (DevB)
	Stephen YIM	(SnY)	Hong Kong Housing Authority (HKHA)
	Wai-kwong WONG	(WWK)	Architectural Services Department (ArchSD)
	Angela YUEN	(AaY)	Senior Manager – Council Services
	Sally LEUNG	(SYLg)	Manager – Council Services
	Kelvin TAM	(KnT)	Manager – Research & Development
	James WONG	(JsW)	Assistant Manager – Research & Development
Apologies:	Ada FUNG	(AF)	for Permanent Secretary for Transport and Housing (Housing) / Chairperson

of Working Group on Roadmap for  
BIM Implementation

Stephen LAI	(SLI)	
Kenneth Kon-fei MO	(KM)	
Shu-jie PAN	(PSJ)	
Tony LEE	(TLe)	Environmental Protection Development (EPD)

## **PROGRESS REPORT**

### **Action**

New Members were introduced at the beginning of the meeting.

#### **1.1 Confirmation of the Progress Report of the Com-EIT Meeting No. 004/15 held on 12 November 2015**

Members took note of Progress Report CIC/EIT/R/004/15 and confirmed the Progress Report of the last meeting held on Thursday, 12<sup>th</sup> November 2015.

#### **1.2 Matters Arising from the Previous Meeting**

SYLg updated the following 3 matters:

Agenda item 4.3 Regarding the Progress Update on the Task Force on Schematic Design for Application of RFID, GPS and Sensor Technology in Monitoring the Movement of Construction Waste, details were reported under Agenda Item 1.3 and Representative from EP gave a report under AOB item.

Agenda item 4.5 Regarding the Assignment Brief of the Consultancy Services on Strategy for Management and Reduction of Construction & Demolition (C&D) Waste in Hong Kong, it were reported under Agenda Item 1.5.

Agenda item 4.9 In the last meeting, it was agreed to invite Hong Kong Green Building Council (HKGBC) to have regular progress update for the upcoming years. HKGBC was suggested as a Co-opted Member of Com-EIT in the new session.

Details were reported under Agenda Item 1.4.

**1.3 Restructure of Task Forces (TFs), Task Groups (TGs) and Working Group (WG) under Com-EIT**

AaY briefed Members on the paper CIC/EIT/P/001/16 regarding “Restructure of Task Forces, Task Groups and Working Group under Com-EIT”.

To facilitate the planning of coming years and implementation for the relevant recommendations stated in the Interim Report ‘Building for a Better Future – Vision 2030’ for the Hong Kong Construction Industry, resources re-allocation is necessary to fulfil the role of Com-EIT for promoting environmental protection and sustainable development in the construction industry in a more effective way.

The existing 2 TFs, 3 TGs and WG under Com-EIT were proposed to re-structure into 3 TFs and some inactive TFs were suggested to dissolve.

After restructured, the proposed 3 TFs are summarised below:

- a) Task Force on Strategy for Management and Reduction of Construction and Demolition Waste in Hong Kong;
- b) Task Force on Roadmap for BIM Implementation; and
- c) Task Force on Establishment of Industry Standard for BIM Implementation

After deliberations, Members endorsed the proposed restructure of TFs, TGs and WG under Com-EIT.

**1.4 Nomination of Co-opted Members for the Com-EIT 2016-2018**

AaY briefed Members on the paper CIC/EIT/P/002/16 regarding “Nomination of Co-opted Members for the Com-EI 2016-2018”. The term of office of the Co-opted Members in the last session would end on 31<sup>st</sup> January 2016 and the Committee on Environment, Innovation

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and Technology (Com-EIT) should discuss and determine the list of Co-opted Members for the new Session (to be appointed until 31<sup>st</sup> January 2018).

After deliberations, Members endorsed the proposed list of Co-opted Members for the Com-EIT 2016-2018 with inclusion of representative from HKGBC and addition of representatives from Architectural Services Department (ASD) and Electrical and Mechanical Services Department (EMSD). The proposed list of Co-opted Members comprising 12 relevant stakeholders (i.e. 4 Government Officers and 8 to be nominated by relevant trade organisations / associations). The proposed list of Co-opted Members would have to be submitted to CIC for approval at its meeting scheduled on 29<sup>th</sup> April 2016.

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Members took note of the nomination of Co-opted Members for the Com-EIT.

1.5 **Progress update of the Task Group on Strategy for Management and Reduction of Construction & Demolition (C&D) Waste in Hong Kong and its Consultancy Services**

Due to confidentiality of information, Members were invited to express any potential conflict of interest before tabling the paper for discussion. KYL of the Hong Kong University of Science and Technology expressed and stayed away from the meeting during the discussion.

*(KYL left the meeting at 2:45pm)*

RiYu briefed Members on the tabled paper CIC/EIT/P/003/16 regarding “Progress update of the Task Group on Strategy for Management and Reduction of Construction & Demolition (C&D) Waste in Hong Kong and its Consultancy Services”.

The Assignment Brief of Provision of Consultancy Services on the Strategy for Management and Reduction of Construction and

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Demolition Waste in Hong Kong for the CIC was endorsed by Com-EIT at its Meeting No. 004-15 held on 12<sup>th</sup> November 2015.

Subsequent tender document (in the form of RFP) was issued on 22<sup>nd</sup> January 2016. Five proposals were received. An assessment panel chaired by Ir Ringo YU for the five vendors with an interview was held on 11<sup>th</sup> March 2016. After careful consideration of all the submitted technical proposals, interviews as well as fee proposals of the submission, a recommendation was made to award the contract to PolyU Technology and Consultancy Co. Limited (PolyU) with a Consultancy Fee stated in the tabled paper CIC/EIT/P/003/16. As the Consultancy Fee exceeded the estimated budget, thus budget reallocation and endorsement from Com-EIT is required.

After deliberations, Members endorsed the proposed Consultant and budget reallocation for the Consultancy Services. The tabled paper was collected after discussion in the meeting.

*(KYL joined the meeting at 3:18pm)*

*(KnT joined the meeting at 3:20pm)*

*(See item 1.10(i) which was reported before item 1.6)*

**1.6 Progress update on the Provision of Consultancy Services for the Survey on the Potential Utilisation of Prefabrication Yard in Hong Kong**

SYLg briefed Members on the paper CIC/EIT/P/004/16 regarding “Progress update on the Provision of Consultancy Services for the Survey on the Potential Utilisation of Prefabrication Yard in Hong Kong”.

Tender document (in the form of RFP) for the Consultancy Services for the Survey on the Potential Utilisation of Prefabrication Yard in Hong Kong was issued on 18<sup>th</sup> January 2016. Three returns (in which

two of them rejected) were received. An assessment was conducted on 22<sup>nd</sup> February 2016. After careful consideration of all the submitted technical proposals, as well as fee proposals of the submission, a recommendation was made to award the contract to Mercado Solutions Associates Ltd. (MSA) with a Consultancy Fee stated in the tabled paper CIC/EIT/P/004/16.

A kick off meeting with briefing was held with MSA on 3<sup>rd</sup> March 2016. MSA is now studying the background information and preparing an Inception Report for comment and endorsement.

In addition, a site visit to the prefabrication rebar yard at Tsing Yi was arranged on 30<sup>th</sup> March 2016 to have a better idea and understanding on the prefabrication conditions and provisions in Hong Kong.

Members took note of the progress of the Provision of Consultancy Services for the Survey on the Potential Utilisation of Prefabrication Yard in Hong Kong.

**1.7 Progress update of the Working Group on Roadmap for BIM Implementation**

KnT briefed Members on the paper CIC/EIT/P/005/16 regarding “Progress update of the Working Group on Roadmap for BIM Implementation”.

Tender document (in the form of RFP) for Preparation of BIM Standards to Facilitate the Submissions of General Building Plans (GBP) was issued on 2<sup>nd</sup> July 2015 (1st time) and 16<sup>th</sup> September 2015 (2nd time) respectively. While receiving not enough proposals for the 1st submission, the 2nd submission received four proposals.

An assessment was conducted on 28<sup>th</sup> October 2015. After careful consideration of all the submitted technical proposals, as well as fee proposals of the submission, a recommendation was made to award the contract to Advanced Construction Information Development

Limited (ACID) with a Consultancy Fee stated in the paper CIC/EIT/P/005/16.

The Task Group held its last meeting on 7<sup>th</sup> December 2015 for the discussion of the Consultancy and update of BIM Roadmap. ACID presented its idea during the meeting and responded to members' concerns. In upcoming meetings the Task Group would focus on the progress update of the Consultancy and review of the BIM Roadmap.

Members raised a concern on the monopoly of the BIM software companies and advised the Working Group to take note of.

Members took note of the progress of the Working Group on Roadmap for BIM Implementation.

*(SLyk and ALam left the meeting at 4pm)*

#### **1.8 Progress update of the Task Group on Establishment of Industry Standard for BIM Implementation**

KnT briefed Members on the paper CIC/EIT/P/006/16 regarding “Progress update of the Task Group on Establishment of Industry Standard for BIM Implementation”.

The CIC Building Information Modelling Standards (Phase One) was published in September 2015. Upcoming meetings would focus on preparing other phases in different aspects upon feedback received from the industry towards the Phase One Standards.

Members took note of the progress of the Task Group on Establishment of Industry Standard for BIM Implementation.

#### **1.9 Work Plan and Budget for 2016 & 2017 cum Implementation Plan of Report on “Building for a Better Future – Vision 2030”**

AaY briefed Members on the paper CIC/EIT/P/007/16 regarding

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“Work Plan and Budget for 2016 & 2017 cum Implementation Plan of Report on “Building for a Better Future – Vision 2030””.

The key tasks to be carried forward from Year 2015 including to accelerate adoption of BIM in the industry, to conduct a survey and analysis on the potential utilisation of prefabrication yard in Hong Kong, to start some trial run programme to verify the practicability of river sand substitutes with the results obtained from laboratory, to commission a consultant to study and formulate strategy for management and reduction of construction and demolition waste in Hong Kong and to continue the background research on Carbon Labelling Scheme (Phase II).

According to the Interim Report ‘Building for a Better Future – Vision 2030’ for the Hong Kong Construction Industry, 8 recommendations would be under the purview of the Com-EIT. Moreover, CIC would work closely with Hong Kong Green Building Council (HKGBC) and collaborate with them in a greater extent for year 2016.

After deliberations, it was agreed for the CIC Secretariat to consolidate the recommendations from the Interim Report and circulate to Members for discussion on the feasibility of implementation.

CIC  
Secretariat  
and All

**[Post Meeting Note:** CIC Secretariat circulated the recommendations of the Mckinsey Report to Members on 30<sup>th</sup> March 2016 after the meeting to provide feedback.]

1.10 **Any Other Business**

- (i) Representative from EPD briefed Members on the update progress of the pilot scheme of application of GPS installed on dump trucks to monitor the movement of construction waste. They are exploring the mandatory use of positioning technology to enhance the control of fly-tipping of construction waste.



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- (ii) Members discussed how the industry can promote and adopt more on innovation and technology.
- (iii) Members were briefed on the update progress of the CIC Green Carbon Labelling Scheme for Construction Products. Carbon Auditor Training Courses and Promotion of the Scheme would be planned for year 2016.
- (iv) Members took note on the renamed of the Committee as “Committee on Environment” after gaining approval from Council scheduled on 29 April 2016.
- (v) Members took note of the tentative Meeting Schedule for Year 2016 for Com-EIT.

**1.11 Tentative Date of Next Meeting**

16 June 2016 (Thursday) at 2:30 pm at Meeting Room 1, CIC Headquarters, 15/F, Allied Kajima Building, 138 Gloucester Road, Wanchai, Hong Kong.

All to note

There being no further business, the meeting was adjourned at 4:57 pm.

**CIC Secretariat  
June 2016**