

Construction Industry Council

Committee on Environment and Technology

Meeting No. 004/13 of the Committee on Environment and Technology for 2013 was held on 2 October 2013 (Wednesday) at 2:30 pm at CIC Headquarters, 15/F, Allied Kajima Building, 138 Gloucester Road, Wanchai, Hong Kong.

Summary notes of the Committee on Environment and Technology (Com-ENT) Meeting No.004/13:

Agenda Item	Paper	Major Resolutions/ Progress Highlights
4.1	CIC/ENT/R/003/13	<u>Introduction and Confirmation of the Progress Report of the Previous Meeting</u> - Members of the Com-ENT confirmed the Progress Report CIC/ENT/R/003/13 of the meeting held on 3 July 2013.
4.2	---	<u>Matters Arising from the Previous Meeting</u>
		4.2.1 Study Report on Roadmap for the BIM Implementation in Hong Kong - The Council approved the publication of the Final Draft report of the Roadmap for BIM Strategic Implementation for public access. The Report was available in the CICs website for download.
		4.2.2 Guidelines for Enhancement of Productivity of Skilled Workers in Construction Projects - An icon in the CIC homepage was created for accessing the guidelines.
		4.2.3 Consultancy Service for Preparation of BIM Standards - The Council approved the commissioning of a consultancy service to carry out the preparation of BIM standards

Agenda Item	Paper	Major Resolutions/ Progress Highlights
		<p style="text-align: center;">(Phase One).</p> <p>Other matters arising were covered by the Agenda Items.</p>
4.3	CIC/ENT/P/026/13 (for endorsement)	<p>Consultancy Study and Survey on Prefabrication - Members discussed the scope of the Survey and the way to handle both the Study and the Survey. The survey results should be taken into consideration in the Feasibility Study and might affect the recommendations of the Feasibility Study. Hence, the design of the survey questions should be reviewed by the consultant of the Feasibility Study. Therefore, Members generally agreed to integrate the Survey with the Feasibility Study into a single consultancy service. To ascertain the quality of the survey company under the single consultancy arrangement, a list of qualified survey firms might be included in the tender document or other means to be considered by the Secretariat to control the quality of the survey company.</p> <p>The Chairman concluded that the Members endorsed on procuring a single consultancy service to carry out the Survey and the Feasibility Study at a total budget of HK\$2,450,000.</p>
4.4	CIC/ENT/P/027/13 (for discussion)	<p>Suggestions from the Construction Industry Group - Members agreed to the responses proposed in the paper. Besides, the following information would be included in the reply to CIG in relation to the wider adoption of prefabrication:</p> <p>(a) Buildings Department published the “Code of Practice for Precast Concrete Construction” in 2003. A technical committee was set up by the Buildings Department to collect views on the Code of Practice with a view to further facilitating the use of prefabrication.</p>
4.5	CIC/ENT/P/028/13 (for information)	<p>Task Force on River Sand Substitutes Research - The first task force meeting was held to steer the study of River Sand Substitutes for Concrete Production and Cement Sand Mortar Production</p>

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		<p>(Phase Two) which commenced in August 2013.</p> <p>Task Force Members accepted the Inception Report and Progress Report No. 1 of the Phase Two Study. A test plan on the river sand substitutes would be prepared.</p>
4.6	CIC/ENT/P/029/13 (for information)	<p>Task Force on Schematic Design for Application for RFID, GPS and Sensor Technology in Monitoring the Movement of Construction Waste - Members were briefed on the results of the site test on the RFID system at a Housing Authority construction site in Yuen Long. The rationale of the use of passive RFID tag, rather than active RFID tag, was to avoid proprietary solution and allow solution providers' competition due to the open standard nature of passive RFID, as well as to avoid the need of using different RFID tag for different construction sites.</p> <p>Members were also briefed on the Proposed Technical Specification on UHF RFID System for Windshield Application.</p> <p>The Secretariat would discuss with LSCM on how the RFID system could be incorporated into GPS to track the paths of the trucks for the disposal of construction waste. It was proposed to conduct another trial to cover the whole cycle of construction waste disposal with the use of RFID from the construction site to the waste reception point including the collection of data from the RFID tag.</p>
4.7	---	<p>Presentation of APEC BIM Workshop and the Government Symposium on BIM in Singapore - A presentation was delivered to Members on the global trends and status of different countries in BIM implementation. As for Hong Kong, CIC in collaboration with stakeholders will launch a series of promotional activities for BIM in the year 2014.</p>

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		[PMN: The promotion plan for BIM in 2014 is attached in Annex A.]
4.8	CIC/ENT/P/025/13 (for information)	Work Plan of the Committee on Environment and Technology 2014 - The work plan for 2014 was circulated to members in July 2013. No major comments on the plan have been received. Members are welcome to make suggestions on new initiatives for the Committee.
4.9		<u>Any Other Business</u> – CIC Conference 2013 themed “Construction Innovation and Productivity” will be held on 29th November 2013. Those who are particularly interested in BIM should attend.

Working Group on Roadmap for BIM Implementation**Proposed Events for the Promotion of BIM in 2014**

The CIC will work in collaboration with BIM stakeholders to organise a number of events throughout 2014. Each event will be organised with individual stakeholder organisation(s).

<i>Month in 2014</i>	<i>Proposed Events</i>	<i>Target Audience</i>	<i>Proposed Organising Party</i>	<i>Proposed Co-organising Party</i>
Jan	BIM Year 2014 Launching Cocktail Reception <i>cum</i> Presentation by Mr. Ben Thum – Cloud Based BIM	Decision makers of the adoption of BIM	CIC	DEVB, HKHA, MTRC, REDA
Feb	Seminar <i>[Theme: Project Management by BIM]</i>	Senior Professional	HKIBIM	HKIPM
Mar	Hong Kong Client Summit #1 <i>[Theme: Vision and Plan for BIM in Project Clients]</i> <i>cum</i> Appointment of International Panel of Experts	Project clients	CIC	DEVB, HKHA, MTRC, REDA
Apr	Stakeholders' Updates on Their Implementation #1 <i>[Theme:</i> <i>1. Status Update on the use of BIM</i> <i>2. R&D Needs]</i>	Representatives of major industry organisations & research institutes	CIC	
May	Quick Training and Demonstration on BIM	New BIM users	HKIBIM + VTC + HKU	

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Jun	BIM Show Case <i>cum</i> Smart BIM Object Design Competition	University students	HKIBIM + IVE + HKU/CU/ PolyU	
Jul	Quick Training and Demonstration on BIM	New BIM users	HKIBIM + IVE + HKU/CU/ PolyU	
Aug	Government BIM Symposium, Singapore	Statutory agency & Government representatives	CIC	
Sep	Hong Kong Client Summit #2 <i>[Theme: Benefits gained through BIM in real projects]</i>	Project clients	HKHA	DEVB, CIC, MTRC, REDA
Oct	Stakeholders' Updates on Their Implementation #2 <i>[Theme: Users' Feedback on the Use of BIM Software]</i>	Representatives of major industry organisations & BIM software vendors	CIC	DEVB, HKHA, MTRC, REDA
Nov	HKIBIM Conference 2014	BIM Professional	HKIBIM	CIC
Dec	Seminar <i>[Theme: Introduction of BIM Standards for Hong Kong's Construction Industry]</i>	BIM Professional	CIC	

CIC Secretariat

October 2013