

Construction Industry Council

Committee on Productivity

Meeting No. 001/23 of the Committee on Productivity was held on 22 March 2023 (Wednesday) at 2:30 pm in the Board Room, 38/F, COS Centre, 56 Tsun Yip Street, Kwun Tong, Kowloon and via MS Teams.

Present:	Ricky LEUNG	(RyL)	Chairperson
	MOW Tai-hing	(THM)	
	Rocky POON	(LKP)	
	Derek SO	(KLS)	
	Victor CHEUNG	(VC)	
	Terence HUI	(TeH)	
	Stephen LAI	(SnL)	
	Clarence LEUNG*	(CLWK)	
	Simon LIU	(SiL)	
	Edwin TONG	(ETg)	
	Simon Wong	(SnW)	
	Joseph LO*	(JhL)	for Permanent Secretary for Development (Works)
	Ben WAT*	(BnW)	for Permanent Secretary for Transport and Housing (Housing)
Franki YEUNG*	(FY)		
In Attendance:	Albert CHENG	(CTN)	Executive Director, CIC
	Robert CHAN	(RCCM)	Director – Industry Development
	Julian LEE	(JnL)	Assistant Director – Industry Development
	Ada LAM	(LCY)	Manager – Industry Development
	Christy KWONG	(CyK)	Senior Officer – Industry Development
Apologies:	CHUNG Kwok-fai	(CKFi)	
	LI Tat-wai	(LTWi)	
	KAN Jun	(KJ)	
	Dominic LAW	(DcL)	

* Members and presenters attended the meeting online via MS Teams.

MINUTES

	<u>Action</u>
1.1 Confirmation of the Minutes of the Previous Meeting	
Members confirmed the minutes of the Com-PRO Meeting No. 004/22 without further amendment.	All to Note
1.2 Matters Arising from the Previous Meeting	All to Note
(i) Progress updates on ConTech Accelerator Programme co-organised with Hong Kong Science and Technology Park Corporation (HKSTP)	
20 main contractors were engaged in the ConTech Accelerator Programme with 165 pain points collected covering the areas of construction safety, productivity, and sustainability. 126 one-to-one matching sessions were arranged for the partnering contractors. Amongst them, 3 technical proposals were adopted, 18 technical proposals will be adopted if the project is awarded and 91 proposals were interested in the proposals and contractors will consider adopting them in the future. To encourage a wider adoption of the technologies, a demonstration day to showcase the matched use cases will be organised in June. In addition, CIC will launch a new online construction innovation platform this year to further support the construction and real-estate sectors to identify the right solutions for trial and adoption.	
(ii) Webinar on Effective Design and Construction of High Strength S690 Steel	
The webinar was held on 6 February 2023 to share the key research findings on mechanical properties of high strength S690 steel and their welded sections. Over 1,800 practitioners joined the webinar.	
1.3 Update on the Consultancy Study on Construction Productivity Measurement in Hong Kong	
Prof. Wei PAN from The University of Hong Kong reported the progress of the consultancy study. The team researched the labour productivity for building projects and compared the data between the public and private sectors. Three observations were found as follows:	
i) The overall trend of CFA and labour number is dominated by the private sector;	

- ii) The labour productivity for public sector is higher than private sector; and
- iii) Labour productivity has slightly declined over the last decade;

Members opined that labour productivity had not raised significantly after the implementation of MiC/ DfMA in 2020 onward. Members commented that the research only reflected the onsite productivity and that the off-site labour works were omitted. Members suggested that trade-based productivity should be studied.

JhL supplemented that the scope of the research is to provide an overview of labour productivity.

1.4 Consultancy Services on Digitalising Construction for Enhancing Project Delivery

**CIC
Secretariat**

Dr. Llewellyn TANG from Llewellyn & Partners Co. Ltd. reported the progress of their consultancy services. The team carried out research on three worldwide best practices on construction digitalisation – China, UK and Singapore and developed the Digital Maturity Framework. In phase two, the team will investigate ten overseas best practice projects and develop a digitalising assessment tool.

Members suggested that local projects should be included as best practice project studies during the digitalising assessment development. Members also suggested that after issuing the guidebook, CIC should encourage contractors to do the assessment through internal and external audit.

The Secretariat would further liaise with the project team to monitor the progress of the consultancy services and update Members the progress from time to time.

1.5 Progress Update on the Funded Research Project – Study of Artificial Intelligence for Road Surface Depression Detection Using 3D LiDAR Data

**CIC
Secretariat**

Professor Charles WONG from the Hong Kong Polytechnic University updated Members on the progress of the funded research. The progress of the research is kept on track. AI Road surface depression detection algorithm and 3D point cloud library for road defects had been developed. The research team is currently developing an AI tool for road surface depression detection.

With no adverse comments on the research, the Secretariat would liaise with the project team to monitor the research progress and update

Members the progress from time to time.

1.6 Proposal for Oversea Study Tour

**CIC
Secretariat**

JnL briefed Members on the Paper CIC/PRO/P/001/23 regarding the proposal of a 4-day overseas study tour to Japan in May. The proposed tour comprises of attending the 5th Construction & Survey Productivity Improvement EXPO and visiting the Sumitomo Forestry.

With no adverse comments, Members approved the paper CIC/PRO/P/001/23. CIC Secretariat would follow up accordingly.

1.7 Any Other Business

i. Review of Committee Name

In response to CIC Chairman's suggestion, Members had a discussion on the necessity to change the committee name. After deliberation, Members agreed the name of Committee of Productivity aligned with the naming strategy of other CIC committees and no new name was proposed.

RyL welcomed Members to give suggestion for further discussion in the next meeting.

ii. CIC Global Construction Sustainability Forum & Exhibition in November 2023

JnL briefed Members on the CIC initiative of CIC Global Construction Sustainability Forum & Exhibition to be held in 20 – 23 November 2023.

Members took note of the event.

1.8 Next Meeting 002/23

The next meeting would be held on 21 June 2023 tentatively. The Secretariat would inform Members upon confirmation of the meeting details.

All to Note

The meeting was adjourned at 4:40 pm.