

The 26th PAQS Annual Board Meeting

Held on 11th September 2022 in Singapore

Report of the BIM Committee

by Sr Sunny S L CHOI of HKIS, the Chairman

1. The last year's PAQS BIM Committee was held online. It is glad that members can meet in person in Singapore this year. On 10 September 2022, the PAQS BIM Committee will hold its **9th BIM technical meeting**. Representatives from the following ten QS associations have committed to join:

AIQS	BSIJ	HKIS	IQSI
IQSSL	PICQS	PUJA	
RISM	NZIQS	SISV	

2. Members have submitted reports on BIM development in their countries, the following is observed.

3. BIM is no longer a new subject although the degree of development and implementation is different among the countries. It is revealed that each country's government plays a crucial role in BIM adoption, such as setting country roadmaps and adopting BIM in public projects, for example, the recent supportive action of the Department of Public Works and Housing in Indonesia, the QS Department of Sri Lank Institute of Information Technology, and the Philippine government.

4. Many members expressed that the high cost of software is a hurdle to BIM adoption. In Singapore and Hong Kong, the government have provided financial support in BIM adoption, for example, the Construction and Innovation Technology Fund in Hong Kong provides ceiling support of HK\$1.5 million to each consultant/contractor/sub-contractor for purchasing BIM software and hardware, and sending employees to receive BIM training.

5. Different countries' quantity surveying professional bodies have been developing or updating QS-related standards or practices to facilitate their country's quantity surveyors to follow. SISV released version 2 of the QS BIM Attribute Requirements, RISM will publish the 1st Edition of MySMM before the end of 2022, BSIJ published Japanese version of Uniclass in 2021 and released the search system in 2022, PICQS is creating a 5D BIM Standard Guidelines, and HKIS will soon release the new Model Information Requirements for QTO for industry consultation.

6. Beyond BIM Standards, some countries are heading towards digitalised construction where BIM is only an element of which. The IDD new roadmap of Singapore focuses on digital training for the workforce and setting common data environment (CDE) for BIM and digital collaboration, New Zealand also has voluntary groups dedicated to collaborative effort for the adoption of the digital twin, digital engineering, safety with BIM and robotics etc., the Construction Industry Council of Hong Kong is promulgating the use of integrated CDE and dashboard of site control systems riding on Internet of Things.

7. Apart from the updating of individual quantity take-off software, there are no other significant new competitors recently. Qs are still learning and developing appropriate skillsets e.g., Revit scheduling, Dynamo and scripts to extract and manage the information extracted from BIM models for measurement and cost management services to clients with enhanced value.

6. As mentioned by RISM in their report, people, process, technology and policy are the common categories to measure the challenges and benefits of BIM implementation in the construction industry. The first category is people and the capacity and capability of Qs to adopt BIM as a tool in our work is a key success factor. There are different BIM software training courses available in the market. BIM management training course is equally important for Qs as we are collaborating with other disciplines instead of doing modelling.

7. There are still a lot of sharing and exploration tasks for the PAQS BIM Committee to pursue in the year 2022/23.

Submitted in September 2022