

An Outline Of The Pathway For Building Information Modelling (BIM) Processes In Lieu Of Strata Survey Measurement Within A 3D Cadastre Environment And Developing A Competency Program For Professional Land Surveyors In Malaysia.

Siew Weng Siew (Malaysia)

Key words: Capacity building; Digital cadastre; Geoinformation/GI; Laser scanning; Professional practice; Building Information Modelling (BIM); Competency Certification

SUMMARY

The growing potential of BIM will have a great impact in the development and implementation of 3D Cadastre, especially in the Strata survey component. The potential of merging Strata survey data with BIM in a 3D Cadastre environment is very real indeed. This is especially so when BIM is already fully operating under a digital environment. Currently in Malaysia, the Strata survey measurement component operates under conventional survey methods and processes. With rapid advancement of 3D scanning technology, transformation to a fully digital field survey processes is imminent. This migration move can further advance the utilisation of 3D scanning within a BIM application. Past presentation about the marvel of 3D scanning and BIM are aplenty but unfortunately done in isolation of each other. A concerted effort at harnessing the potential contained within these technologies and giving it a strong foothold within the land surveying profession in Malaysia is surely a great game changer to the practicing professionals.

Recognising the challenges and potentials that the above technologies can offer, the Association of Authorised Land Surveyors Malaysia (PEJUTA) has initiated a way forward pathway that enables its members to secure a competency level and henceforth attaining professional recognition, vis-a-vis 3D scanning and BIM processes, its embodiment to be well placed within the role of Licensed Land Surveyors' practice.

An Outline Of The Pathway For Building Information Modelling (BIM) Processes In Lieu Of Strata Survey Measurement Within A 3D Cadastre Environment And Developing A Competency Program For Professional Land Surveyors In Malaysia. (10755)
Siew Weng Siew (Malaysia)

FIG Working Week 2020
Smart surveyors for land and water management
Amsterdam, the Netherlands, 10–14 May 2020