



Land Surveying Division
Sr Paul Tsui LSD Council Chairman

Create Your District Competition is Back!

I am pleased to inform members that the Create Your District Competition (CYD) is back this year after a three-year hiatus. This is one of the HKIS's flagship annual activities to promote six disciplines of the surveying profession to students.

Along with fellow member Sr Jacqueline Kwok, I sat on the CYD 2023 Organising Committee (OC) on behalf of the LSD. For previous competitions since 2017, most teams submitted either physical 3D models or multimedia videos for their entries, although Story Map could be submitted on a voluntary basis. This year, the OC adopted Story Map as the required format for all entries because it integrates the 3D models and videos. The objective is to familiarise the students with the use and application of GIS technology, which is a specialised field for land surveyors and employs open geospatial data available in CSDI. Story Map and GIS training will be provided to all participating teams in GeoLab.

This year's CYD will focus on the Northern Metropolis. It will encourage students to explore the area's history, cultural traditions, and development, as well as educate them on the importance of sustainable development. The students can then demonstrate their creativity by designing their ideal communities in the Northern Metropolis.

The competition website (<https://www.hkis-createyourdistrict.com/>) has just launched. Members should promote CYD 2023 to all of the school teachers and students they know.



CPD Highlights

“Use of BIM in the Cross Bay Link Project”

TKO Cross Bay Link



On 27 April, LSD Council Member Sr Peter WONG delivered a CPD on the use of BIM in the Cross Bay Link Project. He highlighted the coordination and managing role of land surveyors in the project's BIM journey. LSD Vice Chairman Sr CK LAU welcomed the speaker and audience and presented a certificate of appreciation to Peter after the talk.



Peter opened the talk by introducing the characteristics of the New Engineering Contract (NEC) and the benefits of using BIM across a project's life cycle. He also introduced the common data environment (CDE) platform used in the Cross Bay Link project.



Later, Peter shared various cases to demonstrate how the BIM coordinated by land surveyors can facilitate project implementation and provide a clearer and more accurate view of a construction project's progress, those works that stand out, auditor checks, etc.

Advantages of BIM In Construction Stage

- Improve the construction scheduling.
- Increase the efficiency – e.g. drawings production, database for manufacturing, etc.
- Civil BIM can combine all updated information to an unique model to avoid discrepancy.
- Incident Report
- Earth work / Quantity Calculation
- Monitoring Report
- Foreseen the construction problem.
- Lesson Learning

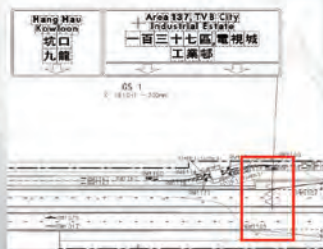
Presentation from Use of BIM in the Cross Bay Link Project

Peter ended his presentation by discussing the role of land surveyors during the BIM maintenance stage of a project. He highlighted the importance of “coordinates,” – the “northing, easting, height” – in the BIM coordination throughout the Cross Bay Link project's life cycle.

Example of Clash

Base on drawings

Clash detected



Advantages of BIM In Design Stage

- Visualize the whole design easily.
- More effective in the cost estimation.
- Discover and avoid clashes before construction.
- Reduce RFI percentage.

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