

Upskilling With Quantum Leveraging on Data and Technology for Road Design

Wednesday, 23 November 2022, Kuching - Upskilling is part and parcel of adapting to the increased demands of the economy. In line with our core values of People and Innovation, Maltimur is actively investing in upskilling our team's capabilities.

Recently, Ir. Mohamad Iskandar Sapong (Head of Engineering, Water Resources), Ir. Abdul Wahid Daud (Design Manager), Shahidi Shahidan (Design Manager), and Chan Xi Wuei (BIM Coordinator) attended a training on Quantum. This was held on 16 - 17 November 2022 in Kuching.

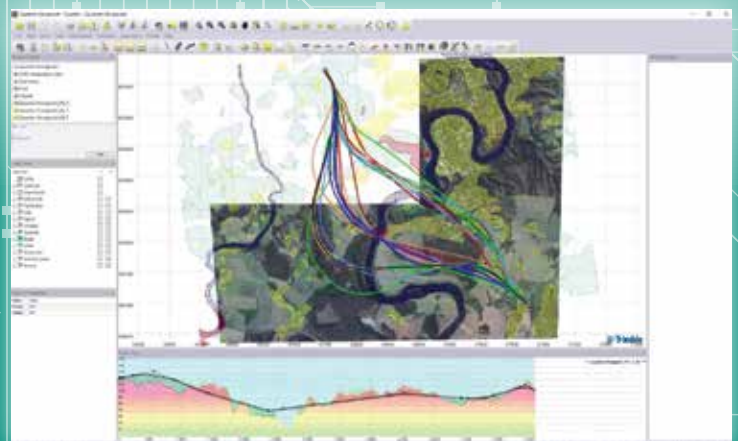
Quantum is a software for designing road and rail alignments. Utilising data to create design parameters, Quantum is able to generate various options of alignments based on different variables such as cost and length. Output can be generated fast and presented in 3D, making it an excellent tool for designing projects with clients.

The training was conducted by representatives of Trimble Inc., Quantum's developer. Capitalising on having the training here in Kuching, Maltimur's team took the opportunity to tap the expertise of the trainers. This allowed them to enhance their understanding of the software, address potential challenges such as data management, and learn best practices for using Quantum based on local requirements.

At the end of the training, the team was able to use the software with data from existing projects to develop several road alignments.

Commenting on the training, Ir. Iskandar Sapong said, "It was interesting to use Quantum to design road alignments based on data of the project and landscape. The software is user-friendly, and with iterations, quality outputs can be achieved in a much shorter time compared to traditional methods of design. More importantly, we believe Quantum can help Maltimur provide our clients with an objective decision-making tool for the best design alignments."

Maltimur is poised to embark on more projects in the future. To meet the demands and requirements of the current and emerging economy, it is vital that we invest in continuous learning as education is the passport to the future; for tomorrow belongs to those who prepare for it today.



Iskandar, Ir. Wahid, Shahidi and Chan discussing with Trimble trainers