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**RESEARCH  
HIGHLIGHTS**

## DESIGN FOR SAFETY IN CONSTRUCTION: COLLABORATION FOR KNOWLEDGE TRANSFER FROM THE UK WITH IMPLICATIONS FOR POLICY AND PRACTICE IN MALAYSIA

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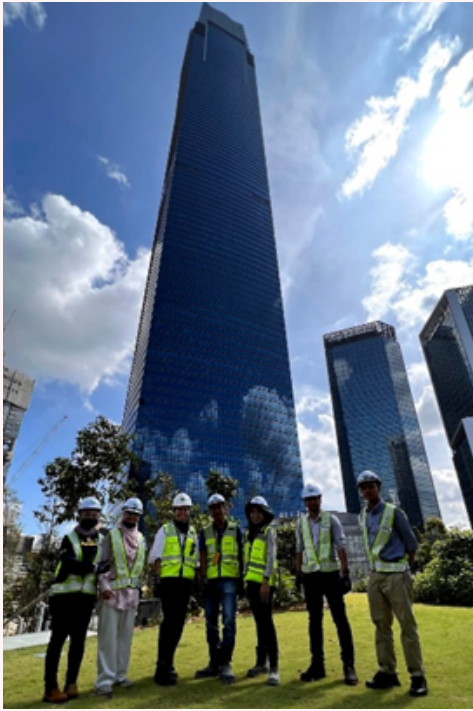
The School of Civil Engineering, Universiti Teknologi MARA (UiTM) has taken the lead in promoting Design for Safety (DfS) practices through research activities and engagement with industry practitioners in Malaysia. Since 2020, through collaboration with Thomas Ashton Institute, The University of Manchester (UoM) many initiatives has facilitated the DfS diffusion in the industry and academia. The aim is to transfer knowledge on DfS practices from the UK to Malaysia by seminars, online workshops, case study visit, sharing lesson-learned via scholarly activities and peer-reviewed publications.

The Malaysian research team went for a short visit to the UoM, UK last September 2022 for a knowledge transfer activity in order to capture their best practices in promoting DfS implementation in the industry and academia. Great opportunity was given to visit the biggest safety and health laboratory science in the UK, the Health and Safety Executive (HSE) in Buxton, UK. During the visit, the discussion was focused on how the operation of DfS related to legislation in the UK in capturing the current technological advancement to facilitate the DfS implementation.

Five (5) site visits were conducted throughout the collaboration. Two (2) site visits at the construction sites of Lendlease UK and Cubic Works Ltd. which are the Manchester Town Hall restoration project and refurbishment of an office block at Princess Street, Manchester.

The site visit was to capture and learn on how DfS practices were coordinated and implemented at sites with different procurement types, limited resources, equipment due to the complexities of these projects. Three (3) site visits to the iconic building of construction project in Malaysia successfully implementing DfS concept, which are the Majlis Bandaraya Kuala Terengganu (MBKT) Terengganu, PNB Merdeka Tower and Tun Razak Exchange (TRX).





The Malaysian research team, attended and presented two (2) academic papers entitled “Design for safety (Dfs) Organisational Capability in Malaysia: A Multi-Stakeholder Perspectives” and “Mainstreaming Prevention through Design in Engineering Education” at the Association of Researchers in Construction Management (ARCOM) Conference September 2022, in Glasgow, Scotland.



Few series of Dfs workshops were also takes place involving the construction industry players, regulatory bodies (EAC, DOSH, JKR, CIDB), academicians and postgraduates’ students in construction research in providing an avenue in cultivating the Dfs concept and best practices to the construction industry and research community.

It is hoped by paving the initiation of Design for Safety (Dfs) in the construction industry and construction research community, the instilling of knowledge for building capacity and capability amongst the stakeholders can extend the long-term benefits to enrich the safety in construction and developing the socio-economic development in better future.



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