

Industry Practitioners Category

Construction Manager

Outstanding Award

LAM Chin-hang



L2 Contract for Lyric Theatre Complex and Extended Basement Project for the WKCDA

The Lyric Theatre Complex comprises a 1,450 seat Lyric theatre, a 600-seat medium theatre and a 270-seat studio theatre.

Wilson LAM leads to promote sustainable construction, by using table formwork and aluminium formwork to increase the productivity while reducing the consumption of timber materials and carbon emission from materials transportation and lifting. He also adopts offsite fabrication (DfMA and MiMEP) to reduce material usage and waste generated on site, and to minimise environmental impact and increase productivity.

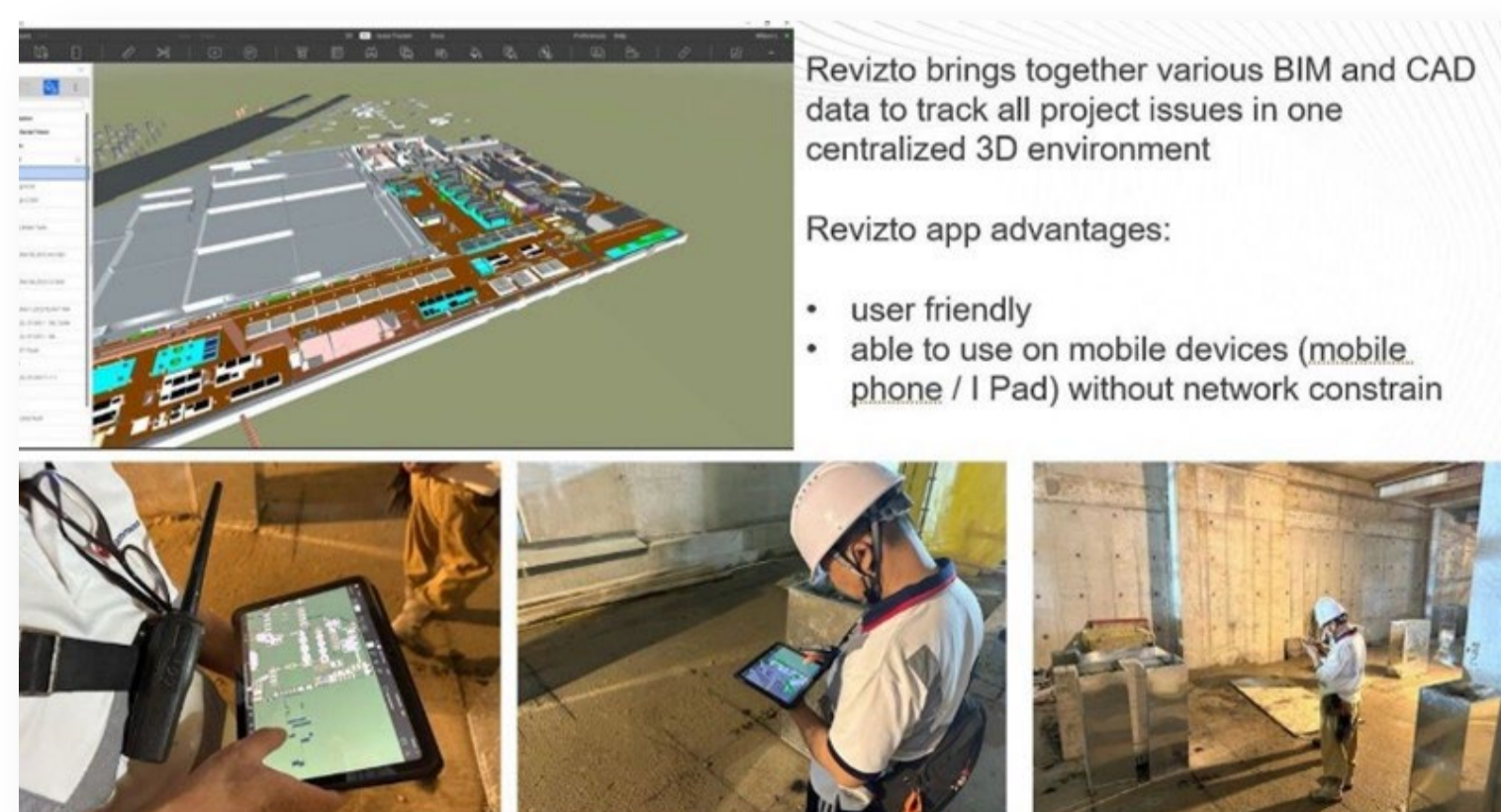
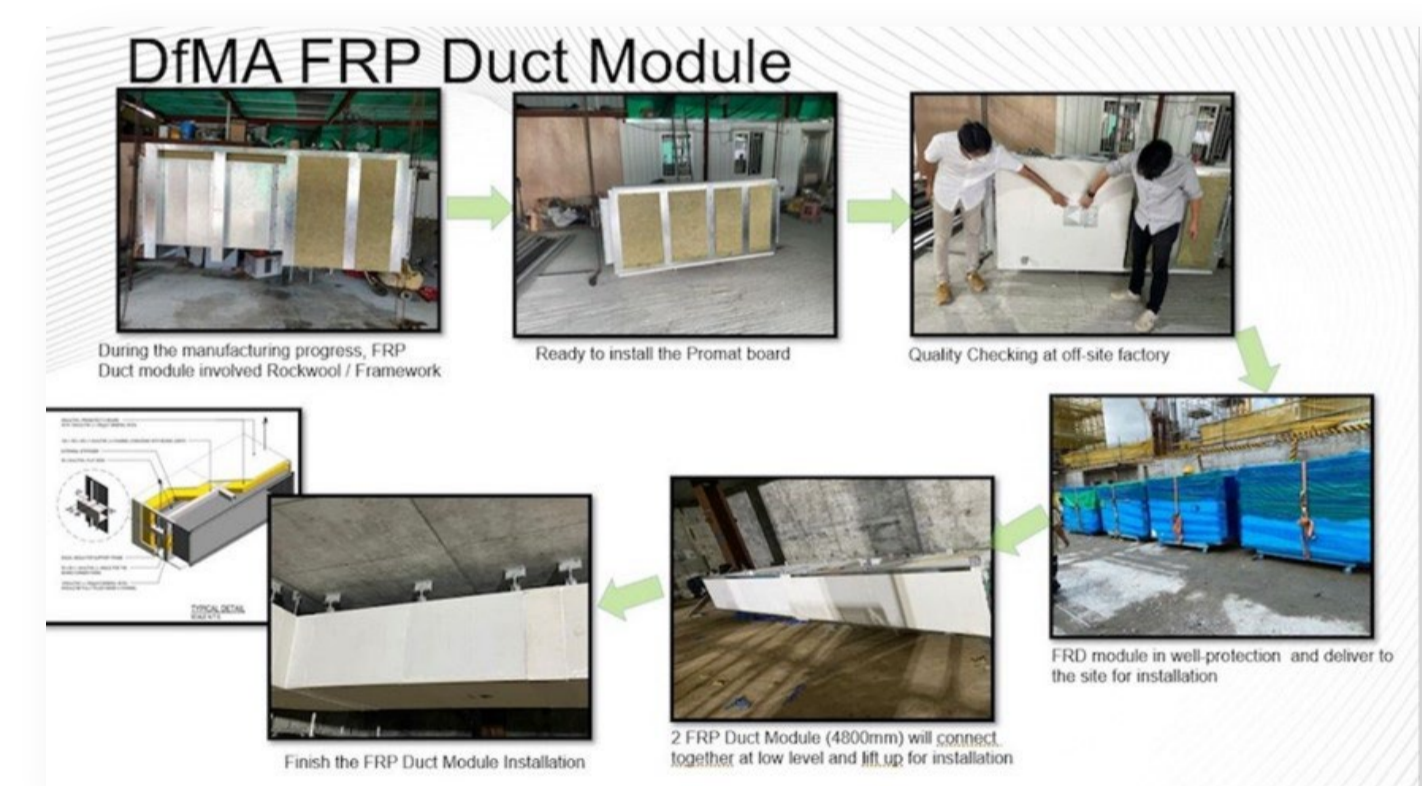


Sustainable Best Practice 1

The project team has invented a tailor-made digital platforms Material management APP for this project, which controls all materials delivered and stored at designated location on site and avoid loss or damage of materials delivered on site, provide better management in Material Storage to increase overall productivity and by using the APP which cut down 700,000 sheets of paper per year, equivalent to around 1,000 kg carbon dioxide emission.

Sustainable Best Practice 2

Beyond contract requirement, Modular design and construction have been adopted for this project. Over 70% of Modular MEP items including Fan modules / ductwork modules / FS pump modules / AHU units and Heat exchange units were prefabricated into segment and pre-assemble. The above works with Hot work free on site and good quality with less waste materials to be generated, also provided a clean working environment which beneficial to all parties.



Sustainable Best Practice 3

With the various integrated technologies (3D scanning / VR / AI / Revizto) Gammon had used BIM API as a process to identify clashes, integrate and coordinate with different trades, conduct VR walk-through for client and avoid rework or abortive work.

Revizto brings together with various BIM and CAD data to track all project issues in one centralised 3D environment. Wilson has encouraged the team of using Revizto on site. Revizto can be used on mobile devices such as tablets or smartphones without network constrain.