

# Organisations Category

## Contractor in New Works

### Merit Award

**Gammon Construction Limited**



### L2 Contract for Lyric Theatre Complex and Extended Basement Project for the WKCD

The project includes a world-class theatre complex with three theatres, dance studios, restaurants, and offices, along with a District Cooling System which serves the entire WKCD area.

Above the contractual requirements, over 70% of MEP installation and 30% of theatre structural work utilise DfMA and MiMEP design, along with hot-work-free installation methodology. Moreover various sustainable materials and energy such as low carbon concrete and interior fitting items under CIC Green Product Certification Scheme, early grid power connection, enertainers and B5 biodiesel was used. These can all help decarbonisation.

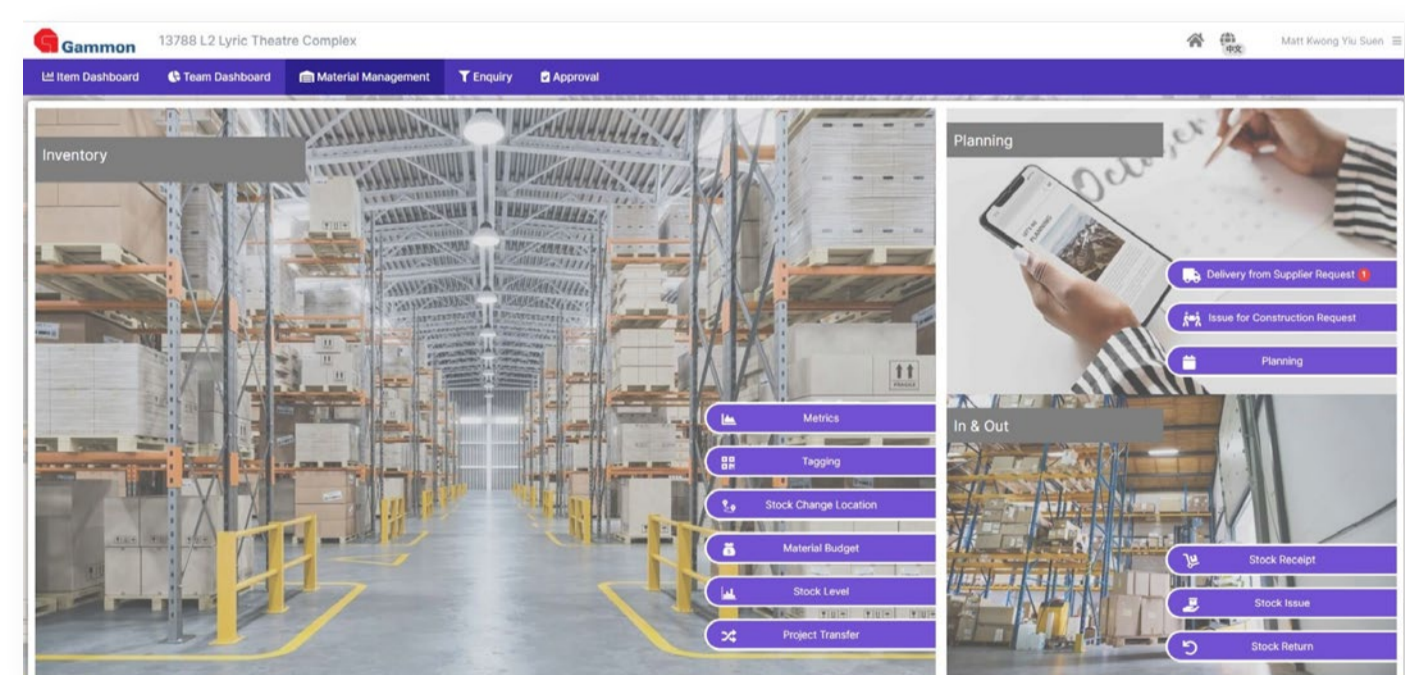


### Sustainable Best Practice 1

By implementing BIM, which has been calculated to be 80% faster than the traditional approach, to identify clashes, integrate and coordinate different trades, conduct VR walk-throughs for clients, and avoid rework or abortive work. BIM 360 API for quantity take-off can also calculate the quantity of building elements, which prevents over-order and avoids surplus waste.

### Sustainable Best Practice 2

The Material Management App provides real-time visibility into material inventory and usage, optimising resource usage and reducing delays. It includes features for material procurement, enabling project teams to arrange transportation and storage of permanent materials onsite from the app. This streamlines procurement and reduces delays associated with manual methods. Additionally, the app facilitates schedule management and team communication, enhancing collaboration and efficiency. Overall, the app improves material management, streamlines processes, reduces delays, and enhances collaboration for better project execution.



### Sustainable Best Practice 3

The contract includes the implementation of Design for Manufacture and Assembly (DfMA) and the multi-trade integrated Mechanical, Electrical & Plumbing (MiMEP). Approximately 1,940 tonnes of DfMA elements and 940 tonnes of MiMEP components were utilised in the project. As a result, construction activities have contributed to a reduction of 245.5 tonnes of CO2 emissions up to the current construction status. This demonstrates the project's commitment to sustainable practices and efficient construction methods.