

BRONZE

North Lantau Hospital - Hong Kong Infection Control Centre

China State Construction Engineering (Hong Kong) Limited

ORGANISATIONS TO BE CREDITED

- Bureau of Public Works of ShenZhen Municipality, People's Republic of China
- Development Bureau
- Architectural Services Department
- Hospital Authority
- China State Construction International Medical Industry Development Co., Ltd.

PROJECT LOCATION

Sky City Road, Hong Kong International Airport, Lantau, Hong Kong

TYPE OF WORK

Design & Build Contract

PROJECT TIMESCALE

120 Days

INTRODUCTION OF PROJECT

In 2020, COVID-19 pandemic has rampaged the world and overwhelmed the global healthcare system for additional healthcare facilities. In August 2020, the pandemic situation worsened in Hong Kong, which the Central Government of the People's Republic of China (PRC) offered to build an isolation hospital for the city. Located adjacent to the Hong Kong International Airport, Hong Kong Infection Control Centre (HKICC) provides additional 816 negative



AR application, not only streamlined construction procedures, but will also provide a better tool to users for subsequent facilities management.



VR application facilitated the visualisation of the design outcome, greatly facilitated the design review and coordination between designers and workers.

pressure isolation beds to cope with the upsurge, which completed in 4 months. As a design & build project, digitalisation plays an important and indispensable role in the project success.

THREE WINNING FACTS

By the application of digitalisation to shorten construction programme as 120 days only comparing with others similar hospital related project, which normally take 4 years.

As the 1st MiC built hospital, HKICC acts as the pilot to the construction industry for the collaboration of digitalisation and technology highlighted in "Construction 2.0" for project with similar nature.

Digitalisation such as BIM and e-document has been fully applied in HKICC for planning, construction handover and operation with the involvement from government bodies from PRC and HKSAR as clients.



As the 1st MiC built isolation hospital in the world, HKICC achieved success through the application of digitalisation.



Command Cockpit of HKICC showed real-time displays of different aspects of the project progress, facilitating effective and efficient project management.