

**BRONZE**

# China State Construction Engineering (Hong Kong) Limited



## INTRODUCTION OF ORGANISATION

China State Construction Engineering (Hong Kong) Limited (“the Company” or “China State Hong Kong”) started its construction business in Hong Kong in 1979. The Company engages in building construction and civil engineering works. China State Hong Kong is among the largest construction contractors in Hong Kong, and is approved by the Works Bureau, to be on the List of Approved Contractors (Group C) for Public Works in the five major categories of building and civil engineering works, namely, “Buildings”, “Port Works”, “Roads and Drainage”, “Site Formation” and “Waterworks”.

## THREE WINNING FACTS

CSHK developed big data system, B2B system, human resources system, financial cost system, sustainable development system and office automation system. The big data system uses our own management model, utilises the AI intelligent processing technology. CSHK has achieved to collect and summarise the scattered data, analysis, and then present systematically. B2B system is mainly used to connect with suppliers, standardise the transaction process, organisation can complete the procurement work with the best cost performance. CSHK’s financial/cost system liberates a large number of financial personnel so that they can devote themselves to more creative work.



CSHK combined the innovative elements of MIC, BIM, DFMA and AR/MR for inspection in project management, these digital solutions help to ensure the construction quality. Every single technology could reflect the organisation is the forerunner of Hong Kong Construction industry. Because of the input of innovation and technology, CSHK successfully reduced the construction period of North Lantau Hospital Hong Kong Infection Control Centre. The on time handover reflected that CSHK had strong willing to change and had solid strength in digitalisation field. CSHK was a responsible organisation and made a great contribution on the Hong Kong epidemic prevention and control.

CSHK paid much attention to the development of smart site, which includes eight categories of significant functions by screening the sites’ requirements. Each category is keeping iterating and expanding with the development of science and technology. Functions integrated in this project are: Staff Management; Mobile Vehicle Tracking & Management System; Precast Façade Management System; X-track system for quality assurance and progress tracking; Safety Management system; Environment and Energy Consumption Management, Tower Crane AI Camera Technology for Floor Surveying and BIM progress visualisation. The application of smart site has substantially played a positive role on safety, progress and cost performance project.





Smart site Command Center

集成平台

C-SMART 平台

- 基於網絡的綜合平台
- 集成所有施工數據，透過BIM模型直觀呈現
- 為項目經理和相關者提供隨時隨地更透明、更準確的概覽



C-Smart Platform