

Transcendence Company Limited



INTRODUCTION OF THE ORGANISATION

Transcendence Company Limited was established in 2014, aiming to integrate and apply big data, AI, cloud base analysis, IoTs, 5G technologies, to the construction industry. It defined an integrated smart site platform including Staff Management, Machine & Equipment Management, Material Management, Quality Management, Safety Management, Environment and Energy Consumption Management, Construction Surveying Management, Construction Progress Management and Construction Robots. Transcendence has engaged in projects including building, civil, foundation and E&M works, help the sites to customise the unique smart site platform, improve their daily performance by bring digital transformation solutions gradually and speed up the site teams' digitalisation process.



C-Smart Command Center

THREE WINNING FACTS

Transcendence has developed a strong big data system and combine the achievement with the future construction site visualisation platform, through a variety of data synchronisation mechanism of importing, Transcendence has achieved to collect and summarise the scattered data, analysis, and then present systematically. Now the organisation can do the data mining and depth analysis and provide technical support for projects' decision making and data reference. Another transformation is the financial/cost system, through AI technology, a large number of heavy repetitive work is changed from manual to automatic, which liberates a large number of financial personnel so that they can devote themselves to more creative work.

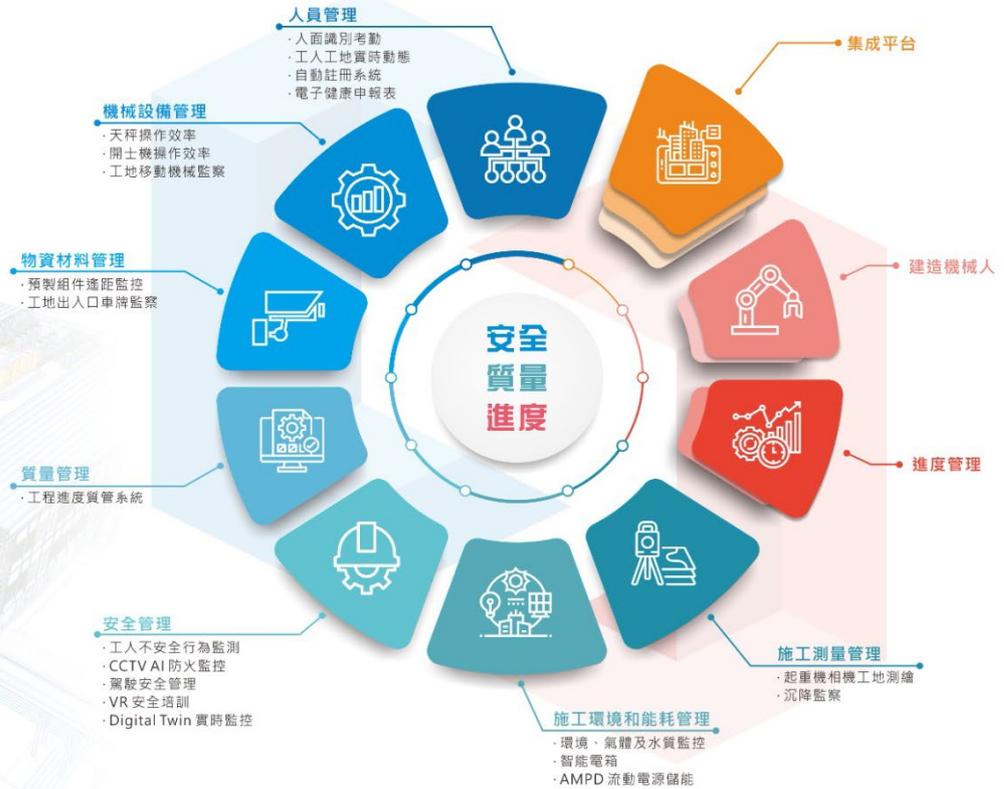
With the BIM integrated in smart site, Transcendence has applied new technologies such as: Real time workers location monitoring system, Safety CCTV integration; 4D BIM/as-built comparison. Transcendence also invented the material monitoring system for the MIC member management during construction period in North Lantau Hospital Hong Kong Infection Control Centre. Transcendence help combined the innovative elements of MIC, BIM and DFMA for inspection in projects, these digital solutions help to ensure the construction quality. We are a responsible organisation and made a great contribution on the Hong Kong epidemic prevention and control by applying new digitalisation methods.

Transcendence's eight significant functions are: Staff Management; Vehicle Tracking & Management System; Precast Façade Management System; Quality assurance and progress tracking; Safety Management System; Environment and Energy Consumption Management, Tower Crane AI Surveying and BIM progress visualisation; Which are keeping iterating and expanding with the development of science and technology. Smart site substantially played a positive role on safety, progress and cost performance. By adopting technologies that conferring autonomy, awareness, and the ability to interact with their vicinity. Our Smart site platform could enable better decision-making during construction period via data collection, data visualisation and data analysis for construction management.



C-Smart Command Center

721 BIM



Definition of C-Smart: 7+2+1

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