BRONZE

Corporate Intelligence of the Architectural Services Department

建築署
Architectural Services Department

INTRODUCTION OF ORGANISATION

Architectural Services Department is one of the works departments under the Development Bureau of HKSAR. We perform three core functions in relation to Government-owned and Government-funded facilities in the areas of Monitoring and Advisory Services, Facilities Upkeep and Facilities Development. We committed to collaborate with industry partners and clients in developing and maintaining public facilities for providing a better service to the community. We search for innovative solutions, adopt inclusive and green for constructing a sustainable, resilient and quality built environment for our city.

Our "Corporate Intelligence" strategy & Innovative Construction Focus Group have fully embraced Innovation and Technology (I&T) to drive digital transformation

THREE WINNING FACTS

Our "Corporate Intelligence" initiative fully supports by top management and staff. Since its inclusion in our Business Plan in 2018, Steering Committee and working groups have been set up for participation of staffs from all branches and sustainable execution. We also engage our industry partners through seminars, visits and forums to promote collaborative innovation. We develop our cloud business systems for integrated adoption by staff and construction partners. This arrangement resolved the hurdle of digitalisation in government department on stringent records management and data integrity.
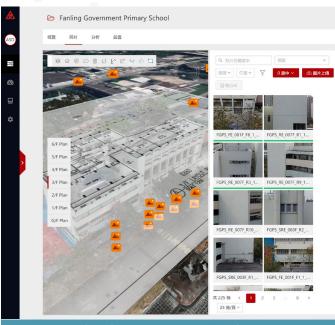
Our digital transformation is not only applied to our internal business processes, but also promoted to our partners in the construction industry. We encouraged contractors apply construction digitalisation through prescriptive requirements as well as incentive clauses under innovative procurement. The benefits that have been realised include the use of smart site safety platform to improve construction safety, the use of IoT sensors for predictive maintenance monitoring, and the use of advanced Building Information Modelling technologies to enhance productivity.

Realising that technology integration is essential to the digitalisation of the construction industry, we collaborated with the information technology industry, professional institutions and start-up companies to prototype digital applications. The prototypes developed include artificial intelligence-assisted construction cost estimation, drone construction defect inspection and robotic water tank cleaning. We believe that collaboration with various industries can help establish a wider range of digital technologies, enhance the professional development of the construction industry and the ability to develop smart cities.

Apply Mixed Reality (MR) technologies to facilitate design coordination and quality assurance of construction works at Redevelopment of Queen Mary Hospital

Harness benefits of digital technologies to facilitate Smart Asset Management

Use of advanced Building Information Modelling (BIM) technologies to enhance productivity for Fu Shan Public Mortuary project