



XIQU CENTRE WEST KOWLOON CULTURAL DISTRICT, HONG KONG

This centre will be the first of 17 arts and cultural venues to be opened in this new district. Occupying a prime site on the eastern edge, at the corner of Canton Road and Austin Road West, this 30,000m² building will provide a magnificent gateway to the other attractions in the area.

BuroHappold Engineering has been appointed to provide complete engineering services for this new complex. Inside, we will design two theatres to seat 1,100 and 400 respectively, as well as rehearsal, administration and education spaces. There will also be a large teahouse catering for 200 people, and a more intimate one seating 80.

The Smart Space team provided people flow consultancy for the design of the Xiqu Centre. The work informed the design to improve the comfort and safety of the visitors during an egress.

Our work involved a high level review of the design using static analysis and dynamic simulations which have been

used to evaluate the performance of this venue. Throughout this project, our aim was to provide practical advice and recommendations for the operations within the Xiqu Centre. Our dynamic modelling of the new spaces was vital in assessing the user experience within the building to highlight and resolve issues with design such as provision of adequate circulation space for visitors.

Our Smart Space approach helped refine the proposed design to ensure a positive visitor experience through optimising layouts of key circulation elements to alleviate pinch-points and enhance natural way-finding. In particular our study helped ensure flows integrated with the building design.

CLIENT

West Kowloon Cultural District Authority

ARCHITECT

Bing Thom Architects, Ronald Lu & Partners

DURATION

2013 – 2013

SERVICES PROVIDED BY BUROHAPPOLD

Smart Space – People Flow & Space Analysis