COX GOMYL
PART OF ALIMAK GROUP

Case Study

International Commerce Centre, Hong Kong



The ICC houses the most prominent financial institutions in the world

Facts & Figures

Commencement	2002
Completion	2010
Building Height	490m
Floor Count	118
No. of Access Systems	10
BMU Type	7000 Series
Outreach	Up to 19m
Building Type	Mixed Use



As the tallest building in Hong Kong, the International Commerce Centre is an icon, not only for its scale, but also for its iconic 'dragon tail' feature at the base of the north face. Architects at the Kohn Pedersen Fox Association designed walls which peel away at the base, creating canopies on three sides.

With a double-glazed, low e-coating curtain wall, the building creates an unmissable impact on the city skyline.

CoxGomyl designed ten BMUs to provide integrated access solutions to both the building facades and the specially designed 'dragon tail', an extended section of sloping facade that rises up from the ground towards the building.

Four BMUs were installed in a closed-loop, twin track system on the rooftop to service the orthogonal facades from the top to the ground level, each featuring a three-stage telescopic jib with a maximum outreach of 19.4m. Each included telescopic pedestals, allowing full retraction from view when not in use. All of these systems were fitted with 4.5m wide cradles to maximise the facade coverage of every drop.

One additional BMU was installed on the rooftop with a shorter cradle, which services the corners of the hotel floors from the roof to the M3-1 level at 306.29m, which require more frequent cleaning. Another four BMUs, named 'corner machines', were installed at the M3-1 level to service the corners from 306.29m down to the ground, which aims to reduce the cleaning cycle of the entire building.

A telescoping gantry was also designed to service the ceiling inside the 'dragon tail'. The difference in width between the two ends of the trapezoidal 'dragon tail' is approximately 7m and therefore the specially designed mobile gantry is able to adjust its width to match as it travels along the track. When not in use, the gantry retracts into a garage and is completely hidden from view.

The project also included the tallest aerial working platform in Asia, which is able to reach up to 50m high.

CoxGomyl Copyright 2022

For more information:
Email: info@coxgomyl.com Website: www.coxgomyl.com