COX GOMYL

A landmark tower deemed one of the most elegant in the world with curved facades

The Guangzhou International Finance Center is not only recognised as the tallest building in Guangzhou, but one of the most beautiful. A triangular base supports the slender, curvaceous structure to make efficient use of internal space.

Wilkinson Eyre Architects designed the facade, which features a low-e hollow glass curtain wall, plated in dark, pinstripe glass panels.

CoxGomyl provided an integrated access solution for this newly developed landmark in South China.

One of the architect's requirements for the BMU solution was that it could be used to facilitate the glass replacement process. The engineers designed a BMU with a glass-handling hoist of 700kg capacity, twice the capacity required for most projects.

One of the three systems was designed with an articulated cherry-picker extension to provide personnel access to the helipad on the roof of the skyscraper, as well as conventional facade access.

A soft rope restraint system was installed on each BMU so that the cradles can descend over the curved exterior whilst maintaining stability and security of the cradle and its operators.

FACTS & FIGURES

Commencement	2008
Completion	2010
Building height	440m
Floor count	103
No. of BMUs	3
Outreach	20.3m
Building type	Mixed Use

For more information
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Technical Data - International Finance Center, Guangzhou, China

BMU type	Telescopic Jib with Material Hoist	Telescopic Jib with Cherry Picker
Service area	G/F to 103/F	G/F to 103/F and the perimeter of the helipad
Jib type	3-stage telescopic	3-stage telescopic
Outreach	20.3m	20.3m
Jib retracted length	6m	6m
Cross bar slew angle	+/- 90 deg	+/- 90 deg
BMU slew angle	+/- 360 deg	+/- 360 deg
Drum hoist type	16-layer hoist	16-layer hoist
Actual hoist height	432m	432m
Cradle SWL	230kg	230kg
Cradle length	4.5m	4.5m
Cradle restraint system	Soft Rope	Soft Rope
Track system	Twin track	Twin track
Track gauge	3.8m	3.8m
Communication	Intercom	Intercom
Features	Glass handling hoist of 700kg capacity	An articulated cherry picker extension

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