

Title: **Goldin Financial Global Centre, Hong Kong, China**

Authors:

Subject: Building Case Study

Publication Date: 2017

Original Publication: Corporate Publication

Paper Type:

1. Book chapter/Part chapter
2. **Journal paper**
3. Conference proceeding
4. Unpublished conference paper
5. Magazine article
6. Unpublished

© Council on Tall Buildings and Urban Habitat /

### The most energy efficient development in the CBD



Situated in Hong Kong's Kowloon Bay, the new central business district in the east part of Kowloon Peninsula, Goldin Financial Global Centre stands as the most distinguished development in the new CBD. As the new corporate headquarters of the client, the building offers commercial office space enjoying the beautiful view of the Tai Tak Cruise Terminal (built at the runway of the old airport) and also the world famous view of Victoria harbor.

The facades of the building are highly articulated with textured curtain walls. Glazing is inclined towards the ground on the south side to shade the facade and angled skywards on the north face to allow for increased interior lighting. Cantilevered cubes at the top of the building feature built-in LEDs that form a media wall giving the tower a bold identity visible across Hong Kong.

CoxGomyl accepted the challenge to design an integrated solution that represented 9 individual systems to achieve routine cleaning and glass replacement works for the building's entire facade. This consisted of a range of Building Maintenance Units (BMUs) fitted with telescopic masts and jibs, monorails and work platforms.

There are four areas of facade which extrude from the main facade (the balcony) which was serviced by four sets of monorail systems in each side of the South, North, East and West mega columns. The challenge at hand was that the suspension points for the cradles of each monorail system couldn't be reached during operation. As such the BMU on the roof was designed in a way to reach and provide access to the suspension points to connect the cradle to the monorail system before operation.

CoxGomyl were selected as the preferred supplier as they were able to approach the challenge with a complete solution in mind being both the designer, manufacturer and installer. The requirement for a user friendly operation and the need to minimise the visual impact of the facade access equipment on the building were realised.

## FACTS & FIGURES

|                 |                |
|-----------------|----------------|
| Commencement    | 2014           |
| Completion      | 2016           |
| Building height | 150m           |
| Floor count     | 27 floors      |
| No. of BMUs     | 1              |
| Outreach        | 35m            |
| Building type   | Commercial Use |

