A GOOD NIGHT'S SLEEP FOR AIRLINE STAFF

CATHAY PACIFIC EXTENSION OF STAFF HOTEL
CHEK LAP KOK, HONG KONG

Cathay Pacific plan to extend their existing staff accommodation facilities at Hong Kong International Airport with the construction of a new, 770 room building with facilities including a restaurant, a ballroom, conference space and offices.

The client wanted the new building to provide staff with more spacious accommodation and better acoustic performance than that of the old hotel, so that crew recuperating between flights would have the quiet and peaceful surroundings they need to rest and recharge round the clock.

The BuroHappold Engineering team built these requirements into their structural design, providing larger rooms within a cellular concrete structure that would inherently absorb sound and minimise the impact of external disturbances on each room.

As the existing staff accommodation building had to remain operational throughout the building of the extension, our team adopted construction methods

that offered minimal disruption. These included the use of shallow bored piles for the foundations, which offer great load-bearing capabilities without the need for extensive excavation work.

Other challenges posed by the site included working around existing aviation fuel pipes and underground drainage systems, as well as maintaining the emergency vehicle access routes that ran through the site. To negotiate these constraints, our team designed a transfer bridge that arched over and around the services below, a simple solution that proved both time efficient and cost effective.

Throughout this project, our team applied intelligent engineering solutions through carefully planned construction methods to achieve the architect's vision while reducing build time and the overall cost to our client.

CLIENT
Cathay Pacific

ARCHITECT
DLN

PROJECT VALUE
HKD 1,250,000 (assumed)

SERVICES PROVIDED BY BUROHAPPOLD
Bridges and civil structures, structural engineering, ground engineering, facade engineering

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