

# The Camellias

**Contractor:** Leighton India Contractors Private Limited

**Location:** Gurgaon, North India

**Products:** Rapidclimb, Superslim Soldiers, Kwikstage & Airodek

## Case Study

The Camellias is a \$130m super-luxury complex in north India. Constructed using specialist Rapidclimb formwork from RMD Kwikform. Occupying over 16 acres of land, once complete The Camellias will include nine high-rise buildings including apartments and penthouses.



The Camellias development will include, in total, nine high-rise buildings, which will house 429 apartments and 14 penthouses. To construct the tower blocks, ranging in height from 18 to 38 storeys, Leighton turned to RMD Kwikform to supply a range of solutions for the core walls, columns and slabs.

## Design

Each apartment is designed around one main core, making it easier for the site team to stick to the original design layout and customise around the private lift lobby. The floor-to-floor height of each apartment is 3.75 metres, with two passenger elevators for higher blocks of up to 22 storeys.

In order to support the rapid construction of the cores, the engineering team developed a Rapidclimb crane handled jump formwork solution, for the 18 cores, which comprised of two cores for each apartment complex. This allowed the site team to concentrate on constructing the core walls before the slabs were cast, ensuring the core programme was ahead of the main works.

Mr Rajes Nair, Project Manager at RMD Kwikform India, commented: "Leighton required a complete formwork and shoring solution for the Camellias towers project, so once they were comfortable with the Rapidshor system, we were able to employ the other equipment from our range to support the rest of the project. This included utilising AI Form beams and Superslim soldiers to form the columns, with Kwikstage and Airodek to support the slabs. In total there were 7303 columns on the project and over 16200 sq/m of slab".

## Timely delivery

The 'Rapidclimb' climb system enables the site team to crane handle both the platform and formwork in one single operation, and with the self-contained working levels, the rebar is set up safely from the inside. As the anchor can be reused, it ultimately drives down material costs and equipment delivery, ensuring the site team complete each pour on time.