

RESIDENTIAL DEVELOPMENT

Dragages was a pioneer in developing and expanding the use of precast elements in building structures, a building technology that led to shorter construction cycles, improved quality and reduced the need for wet trades.

Other new technologies introduced by Dragages included anti-collision tower cranes which substantially reduced the risk of collision in multi-crane projects, thus improving safety and speeding up work.

On both private and public housing, space constraints were often a feature of the project, with project teams working hard to minimise the disruption to the surrounding businesses and residents.



StarCrest



Public Housing Project - Tseung Kwan O



Government Quarters at West Kowloon

1999 Les Saisons

Precast features ensure quality, speed and safety in the construction of this four-tower, 864-unit, luxury development.

A variety of construction techniques, including the extensive use of system formwork, resulted in higher work efficiency, better finishing quality and minimal disruption to nearby developments. Dragages managed to achieve a 4-day construction cycle and the project was completed within 26 months.

1999 Government Quarters at West Kowloon

A design and build contract for two 37-storey residential towers housing 540 units, covering 38,500 sqm.

To shorten the construction period and create a safer working environment, a mechanised construction method was used involving precast concrete elements. Dragages also introduced a precast internal wall system, with electrical conduits and sockets cast into the walls, enhancing quality and minimising wet trades.

1999 Government Quarters at Lai King

A design and build contract for three 38-storey towers housing 610 units, plus a two-storey car park.

By using extensive system formwork and precast façade panels and stairs, the project delivered a 4-day construction cycle, as well as ensuring quality finishing works, reduction of waste and a safer working environment.

1998 Public Housing Project - Aldrich Bay & Tseung Kwan O

Aldrich Bay: two 41-storey towers, one 31-storey tower, two 21-storey annex towers and a secondary school.

Tseung Kwan O: six 41-storey towers.

Dragages pioneered an 'Anti-collision and Zone Protection System' to allow the massive tower cranes needed on both projects to operate at optimal speed, while ensuring safety within the jib overlap areas.

1997 StarCrest

Construction of a luxury two-tower, 329-unit, development covering 38,000 sqm.

To shorten the construction time, Dragages built part of the podium levels first, allowing work to continue concurrently both above (apartments) and below (car-parking, swimming pool etc.) the podium floor.