

## Case Study

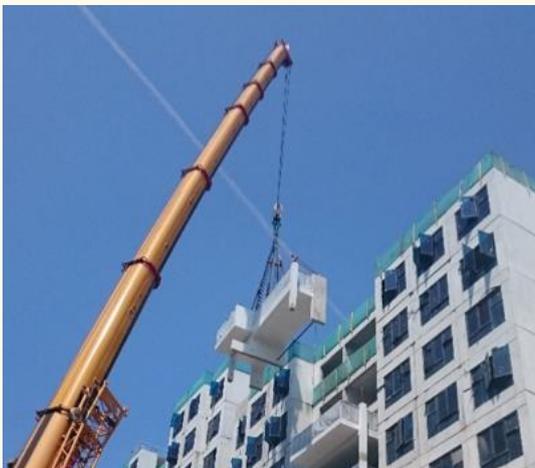
# The Brownstone

The Brownstone is an executive condominium project, comprising 8 blocks of 10 and 12-storey residential apartments with 638 units. The brown sandstone-like textured façade and 'jetty' balconies are inspired by the New York Brownstone row houses.



A key distinctive feature of this project is the conscious use of building technology that is both efficient and sensitive to the environment. Specifically, the use of Concrete Prefabricated Prefinished Volumetric Construction (PPVC).

The application of Concrete PPVC in this project was likely the world's largest and first of its kind for a large-scale private residential development. A total of 4,098 building modules, achieving 83% area of PPVC coverage, were prefabricated off site and subsequently assembled on site.



Transforming conventional wisdom into parallel construction processes, this revolutionary project showcased off-site manufacturing processes in a controlled factory environment and a highly organised on-site construction workflow. This ensured stringent quality control and quantum leap in productivity improvement.



Application of concrete PPVC construction helped in mitigating impact to the surrounding environment through its green construction method that resulted in a cleaner worksite with less waste and a safer construction environment. The Brownstone has achieved Excellent rating for Quality Mark and Star rating for CONQUAS assessment.

## Project Team

 <b>ROLE</b>	 <b>ORGANISATION</b>
Developer	Canvey Developments Pte Ltd (A joint venture between CDL and TID Pte. Ltd.)
Architect	ADDP Architects LLP
Main Builder	Teambuild Engineering & Construction Pte Ltd
C&S Engineer (Buildings)	P&T Consultants Pte Ltd
C&S Engineer (External Works)	KTP Consultants Pte Ltd
M&E Engineer	United Projects Consultants Pte Ltd
Quantity Surveyor	Langdon & Seah Singapore Pte Ltd
Project Interior Design	Index Design Pte Ltd
Landscape Consultant	Coen Design International Pte Ltd