



MEDIA RELEASE
For Immediate Release

BBR secures S\$196 million contract to construct green Halls of Residence at Nanyang Technological University

First public high-rise development in Singapore using Pre-fabricated Pre-finished Volumetric Modular Construction (PPVC) System with up to 40% improvement in labour productivity and shortened construction timeframe.

SINGAPORE, 1 July 2014 – MAINBOARD-LISTED **BBR Holdings (S) Ltd** (BBR控股) (“BBR” or “the Group”) today announced that its wholly-owned subsidiary, **Singapore Piling & Civil Engineering Private Limited**, has secured a S\$196 million contract for the construction of the new hall of residence for Nanyang Technological University (NTU). This new win adds a strong boost to BBR’s order book which stands at S\$820 million as at 31 March 2014.

To be built at NTU North Hill precinct, there will be six blocks of 13-storey student hostel comprising 1,582 hostel rooms, as well as a full range of recreational facilities catering to over 1,800 students. The project is scheduled to be completed within 19 months.

Building Technology of the Future

Located at Nanyang Avenue, the project scores as the first public high-rise development in Singapore to deploy a Pre-fabricated Pre-finished Volumetric Modular Construction (PPVC) technology, which is a light-weight steel modular system where room-sized units complete with internal finishes, fixtures and fittings

are pre-fabricated in factories, and are then transported to construction sites for installation and assembly to form modular apartments.

BBR's Chief Executive Officer, Mr Andrew Tan (陈庆辉) said: "The Singapore construction and building industry is at a crossroad whereby it is challenged by the tight labour market and increased foreign worker levies while facing strong growth momentum. Deploying the PPVC system will catapult us ahead to the next lap in terms of the breakthrough in labour productivity and operational efficiency."

"We can expect up to 40% increase in labour productivity and 15% reduction in terms of the construction timeframe required for the North Hill Student Hostel development as compared to conventional methods of construction. The PPVC system fits within the construction industry's initiative to promote green sustainability in the built environment as well as greater environmental awareness in Singapore."

Based on the concept of relocating the intensity of building works off-site, and into a systematic factory production line, such construction environment allows for better control in numerous aspects, including manpower & resources management (higher productivity and lesser wastage), quality control (time savings from defect works and higher satisfaction among the developer and end-users), time control (option to work round the clock and protection from inclement weathers) as well as improved safety and working environment for the construction team. Further dust and noise pollution can be significantly minimised as construction activities are performed substantially off the construction site.

All pre-fabrication works for the PPVC system for this project will be carried out in Singapore by **Swee Hong Limited**, who has obtained a license from **Unitised Building Limited, Australia**, for their proprietary Unitised Building (UB™) System.

Green Building of Tomorrow

Awarded the Building and Construction Authority (BCA) Green Mark Platinum Award, the project boasts unique green and sustainability features which can be traced through the construction system and process, as well as the adoption of state-of-the-art green and information technology systems to encourage sustainability practice and mindset among the residents of the hostel.



Artist's impression of the latest NTU North Hill precinct hostel development, the first high-rise public building in Singapore to be built using the latest Pre-fabricated, Pre-finished Volumetric Modular Construction (PPVC) System – *Source of image: P&T Consultants Pte Ltd.*



Lifting and stacking of PPVC modular units – Source of images: *Unitised Building Limited*

About BBR Group (www.bbr.com.sg)

The BBR Group (BBR 控股) is one of Singapore's leading construction groups with more than 20 years of industry experience and businesses spanning across General Construction, Specialised Engineering and Property Development.

Established in 1993, the Group today has a presence in Singapore, Malaysia and Thailand. Its General Construction activities are mainly undertaken through its wholly-owned subsidiary, Singapore Piling & Civil Engineering Private Limited (SPACE), a company it acquired in 2001. SPACE has a 40-year history and has been registered with the Building and Construction Authority of Singapore under the "A1" classification since 1984. Its Specialised Engineering arm is part of the BBR Network that spans 50 countries.

BBR's Property Development projects are as follows: **Lush on Holland Hill**, a freehold condominium development with 56 spacious units in two 12-storey blocks completed in 2012; **Bliss @Kovan**, another freehold site to be developed into a five-storey condominium with superior design elements consisting of 140 units; **8 Nassim Hill**, an upmarket development comprising 16 super luxury triplex units with basement car parks completed in 2010 and proposed development of approximately 500 units of **executive condominium** on a 99-year leasehold HDB land site **at Yuan Ching Road/Tao Ching Road, Jurong**.

The Group was listed on the Singapore Exchange Sesdaq in 1997 and was subsequently upgraded to the Mainboard in September 2006.

Issued on behalf of BBR Holdings (S) Ltd by Waterbrooks Consultants Pte Ltd

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