

Mechanical Completion of Next-Generation Hadrian X[®]

Tuesday, 20 December 2022 – Robotic technology company **FBR Limited (ASX: FBR)** ('FBR' or 'the Company') is pleased to advise that mechanical assembly of the first next-generation Hadrian X[®] has been completed.

The next-generation Hadrian X[®] is the latest iteration of FBR's bricklaying construction robot, designed to be able to lay at speeds of up to 500 blocks per hour (equating to up to ~120m² per hour), with the potential to complete both the external and internal walls of a standard double brick house in a single day. The next-generation Hadrian X[®] features a shuttle block delivery system designed to lay any existing commercially available blocks, as well as the ability to lay blocks not yet available on the market, including large blocks measuring up to 600mm x 400mm x 300mm and weighing up to 45kg. The shuttle delivery system is also designed to be adaptable to handle other products such as roof tiles subject to further future development.



FBR's first next-generation Hadrian X[®] reaches mechanical completion

The lengthened 32 metre telescopic boom arm of the next-generation Hadrian X[®] provides further reach than its predecessor, enabling construction of walls three storeys high from the roadside as well as the ability to lay blocks within 50mm of existing walls. The improved design of the saw module of the next-generation Hadrian X[®] enables it to make height, mitre and gable cuts to blocks, further increasing the capability of the Hadrian X[®].

The next-generation Hadrian X[®] is designed with distributed control architecture, leading to a highly reliable system which allows for individual modules to be customised, repaired and swapped efficiently. Most of the ancillary equipment of the Hadrian X[®] is self-contained, greatly improving deployment efficiency.

Commissioning activities for the next-generation Hadrian X[®] continues with expected completion by 31 March 2023. Following completion of commissioning activities, the Hadrian X[®] will be calibrated and tested before being utilised for demonstration activities to potential WaaS[®] partners domestically and internationally.

ASX Announcement

FBR Limited



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This announcement has been authorised for release to the ASX by the FBR Board of Directors.

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About FBR Limited

FBR Limited (ASX: FBR) designs, develops and builds dynamically stabilised robots to address global needs in a safer, more efficient and more sustainable way. These robots are designed to work outdoors using the company's core Dynamic Stabilisation Technology® (DST®).

The first application of DST® is the Hadrian X®, a bricklaying robot that builds structural walls faster, safer, more accurately and with less wastage than traditional manual methods. The Hadrian X® provides Wall as a Service®, FBR's unique commercial offering, to builders on demand.

To learn more please visit www.fbr.com.au

