

Who is FBR?

- FBR is an Australian based Robotics technology company listed on the ASX and OTCQB exchanges (ASX:FBR; OTCQB:FBRKF)
- We are a Founder-led team of world-leading specialists and engineers, recognised by academics and industry leaders for our advancement in outdoor robotics
- We design, develop and build the world's most advanced bricklaying robot, the Hadrian X[®] and have spent A\$200m in research and development, to commercialise our technology
- We are world leaders in "through the boom" robotic delivery of materials and products with a significant IP portfolio comprising 143 granted patents, 107 patents pending, across 41 patent families
- We seek to address problems that require robotic solutions in dynamic environments, such as our flagship Hadrian X®, enabled by our Dynamic Stabilisation Technology® (DST®)
- We have a strong, supportive shareholder base with over 13,000 shareholders, including:
 - Brickworks (~15%), Australia's largest brick manufacturer
 - M&G Investment Management (14%) global fund manager
 - Fidelity (10%) global fund manager
 - Founders (10%)





- The most advanced, dynamically-stabilised block-laying robot in the world
- Fully mobile, highway-capable with the ability to build structural walls up to three storeys high, from the roadside or within the build site.
- Modular design with distributed control architecture, featuring a 32-metre-long (105ft), stabilized, telescoping and traversing boom for fast and accurate product placement.
- Fast to setup, fast to leave. Robotic delivery system suitable for other building material placement.
- Utilizing construction adhesive is waterless and mortarless, with no sand or cement needed.
- FBR IP suite with potential for multiple use cases outside of the Construction sector.



COUNTRAL

Why automate construction?

Confluence of factors detrimentally affecting the industry

- X Labour Constraints availability and organisation of labour
- X Financial volatility (fluctuating material and labour costs)
- X A widening deficit of masons and bricklayers in key markets
- X Housing supply currently unable to meet demand an additional
 2 Billion people will need to be housed in the next 30 years
- X Construction is a significant risk contributor to health and environment

Why use the Hadrian X®?

- ✓ A key step towards full-digitalisation of the construction site
- Provides builders with certainty on timing of wall delivery, and faster progression to completion:
 - Reduction in project delays positively impacts project economics
 - Walls can be built in days and on-time
 - Enables follow-on trades to work to schedule
- Faster, safer and more accurate
- ✓ Drastically reduces on-site waste generation
- ✓ Able to work 24/7, in most weather conditions







The writing is on the wall...

The Opportunity

- Significant macroeconomic tailwinds face the industry as the impetus to improve living standards, maintain growth and embrace sustainable technology becomes apparent
 - M&A/consolidation in construction and building materials industries as large players seek to optimise their positioning
 - Governments focus on initiatives to boost social/affordable housing, commercial and infrastructure
- FBR well-positioned as owner of the world's most advanced construction robot to enter key global markets to provide automated construction solutions in the low-rise residential and commercial construction sectors























Who benefits?

Builders

- Cost and time efficiencies from automated robotic construction
- Mitigated risks of delays improves resource allocation and profitability

Workers

- Opportunity to upskill and work with advanced technology
- Safer workplaces with less risk of death and injury

Brick manufacturers

- Improved sales from block products
- Opportunity to generate new revenue streams (sale & laying of product)

Home buyers

- Improved accessibility to masonry constructed homes
- Faster builds/less delays

Governments

Access to robotic technology with the potential to improve productivity in construction sector

Environment

- Reduction in emissions and waste generation from construction process



Sustainability in Construction

FBR

Environment

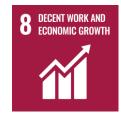
- Construction accounts for ~30% of the world's emissions and waste
- Hadrian X® reduces environmental impact of the construction process
 - Maintains site cleanliness, massively reduces waste generation and worksite hazards, and the subsequent cost of waste removal to landfill
- No mortar, sand, cement or water required on site
 - Eliminates the risk of exposure to hazardous silica dust, protecting workers and the broader public
- Block agnostic laying capability, ensuring forward compatibility with future developments in sustainable block materials and sizes and weights.

Health & Safety

- Construction accounts for more worksite injuries and deaths than most other industries
- Reduces occurrences of repetitive stress injuries, strains, and falls, while virtually eliminating risks during the undertaking of automated block laying
- Removes virtually all manual labour from construction site during structure build (except minimal FBR quality control interactions)
- No injuries due to heavy manual handling of products
 Hadrian X[®] handles, cuts and delivers all blocks
 necessary for the structure
- Less people required at work site during construction and less trips to site required by workers











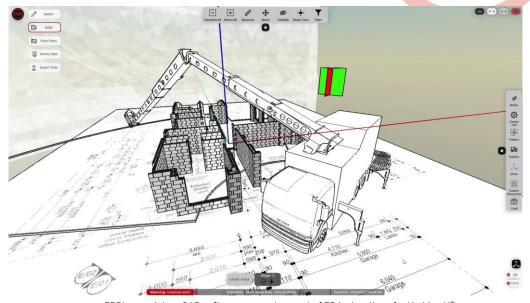


WaaS® Commercial Model

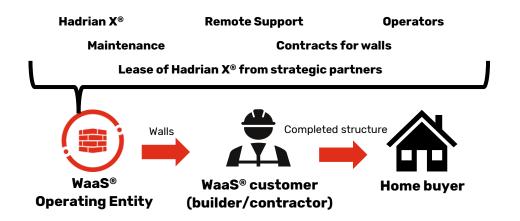
- WaaS® is the digital delivery of high quality, fixed price, structural block wall
- WaaS® operating entity supplies blocks and robotically constructs walls onsite to precise specifications of a digital architectural plan
- **WaaS**® allows customers to access significant improvements in speed, accuracy, reliability, safety and waste, without building robotic construction capability into their respective businesses

General acquisition of order process:

- Builder requests quote for wall(s) and sends architectural plans to FBR
- FBR proprietary BIM software converts plans to Hadrian X® build file and provides quote for supply and lay of walls
- FBR sends fixed price quote, estimated build time and waste estimate to builder
- Builder agrees to quote and requests date for service
- FBR sends Hadrian X® to site on appointed day and builds structure
- FBR bills for 100% of work Labour and materials



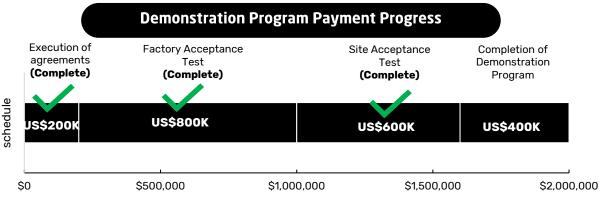
FBR's proprietary CAD software generates a set of 3D instructions for Hadrian X®





U.S. Demonstration Program

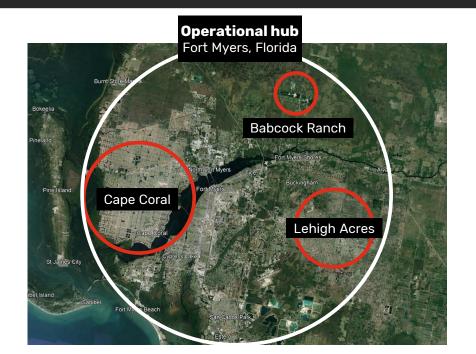
- Currently undertaking 10 home Demonstration Program with CRH Ventures in Fort Myers, Florida
- CRH Ventures may exercise option to form JV any time up until 45 days post-completion of Demonstration Program
- Upon formation of JV, CRH Ventures will provide JV with a US\$40m revolving loan facility and an initial purchase order for 20 Hadrian X® robots valued at US\$40m
- Pathway to fleet of 300 Hadrian X® robots set out with purchase order tranches that set base expansion rate for the JV and can be accelerated by agreement to meet the needs of the market¹



- 1. See slide 18 of presentation for rubric outlining details of pathway to 300 Hadrian X° robots in the agreement
- 2. All dollar figures in this chart refer to U.S. Dollars (US\$)

Exclusive U.S. Demonstration Program & JV Option

- CRH Ventures, subsidiary of CRH plc (NYSE:CRH, US\$58bn market cap)
- A leading supplier of building materials with established operations globally
- A U.S. JV providing WaaS® will generate new revenue streams and differentiated products relative to existing business model:
 - Revenue from delivery of erected wall (WaaS®), not just manufacture of blocks
 - Construction automation improves competitive advantage and efficiency
 - Delivering customers real-time advantages and cost savings

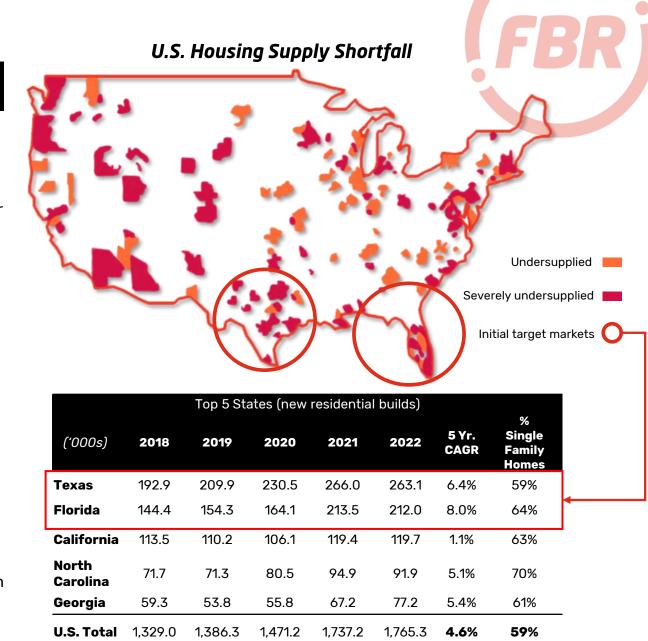


Why focus on the U.S.?

- One of the largest low-rise residential construction markets in the world
- FBR's technology could vastly improve the output and sustainability of the construction industry
- Moody's estimates a minimum of approximately 1.5 million new homes per year just to meet demand in the U.S.¹
- A chronic undersupply of new housing since the Global Financial Crisis, leaves an estimated deficit of up to 20 million homes
- Builders are seeking to reduce costs and improve margins, however, material cost and availability of labour is continuing to be a significant challenge

Initial target markets

- High concentration of new build opportunities in Florida and Texas
- · Ready access to materials and infrastructure
- Existing high-volume market exclusively masonry construction, which is primed for robotic disruption
- Areas prone to hurricanes/severe weather conditions and high wind loads (southern states of the U.S.) require masonry structures
- Between July 2022-23, Florida and Texas experienced increased net migration (domestic and international) of +373k and +315k people respectively





Key near-term catalysts for FBR Shareholders

Event	Indicative timing
✓ Successful execution of Factory Acceptance Test (FAT)	Completed
✓ Transport of Hadrian X® to the US	Completed
✓ Successful execution of Site Acceptance Test (SAT) in Florida	Completed
✓ Formal appointment of builders for Demonstration Program	Completed
✓ Completion of first home	Completed
☐ Completion of 10 house Demonstration Program	Q4 CY2024
☐ VIP Demonstration - Media, Strategic Stakeholders (re-scheduled due to bad weath	er) Q4 CY2024
□ JV Option exercised	Up to 45 days post completion of Demonstration Program
☐ CRH Ventures Americas to provide US\$40m debt facility to Fastbrick Americas JV	At exercise of JV Option
☐ FBR to receive US\$40m purchase order for first tranche of 20 Hadrian X® units (of potential 300 machine order)	At exercise of JV Option
Commercial wall offtake agreements with key builder clients in Florida	Q1 CY2025

Corporate Snapshot



Capital structure

Market capitalisation (as at 17/09/2024)	\$235m
Ordinary shares on issue	4.8b
Average daily volume (last 3 months)	12.2m
Pro-forma cash balance (30 Jun 2024)	\$18.8m*

^{*}excluding capital raise costs

Directors & Management

Richard Grellman AM	Non-Executive Chairman
Glenn Cooper	Non-Executive Director
Shannon Robinson	Non-Executive Director
Nancy Milne AOM	Non-Executive Director
Mike Pivac	Executive Director - MD & CEO
Mark Pivac	Executive Director - CTO
Rowan Caren	Chief Financial Officer
Kiel Chivers	Chief Operating Officer
Jonathan Lawe Davies	General Counsel

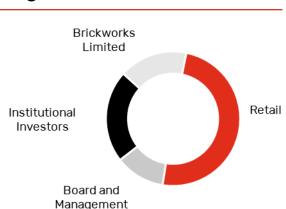
Share price performance (12 months)



Shareholders

Brickworks (ASX:BKW)	15.3%*
M & G Investments	14.1%*
Fidelity	9.9%*
Mark Pivac (Founder)	7.0%
Mike Pivac (Founder)	2.7%

Register



^{*}as per last substantial holding notice

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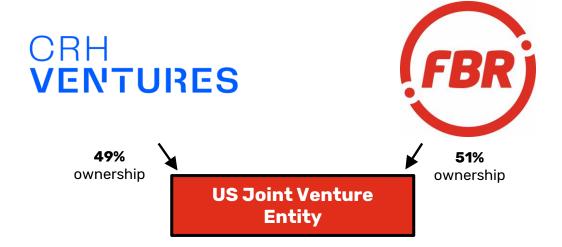
JV Option Exercise

- Upon exercising of JV Option CRH provides JV with US\$40m revolving loan facility to fund Hadrian X® purchases from FBR, and initial purchase order for 20 Hadrian X® robots (up to \$US40m of revenue to FBR)
- FBR to fund 51% of JV start-up costs only, expected to be ~US\$2.0m with remainder of working capital to be funded via CRH loan facility and ongoing US WaaS revenue
- Each JV partner entitled to two Board members each; CEO (appointed by the Board) to oversee day-to-day operations
- As soon as practicable post-commencement of JV, FBR to swap out the first Australian-spec Hadrian X[®] unit with a U.S.-spec Hadrian X[®] unit at its cost
- Initial operation will commence in Florida
- FBR will provide fixed price Hadrian X® maintenance & repair services and personnel training services to the JV at a rate of US\$220,000 per Hadrian X® per year, indexed to US CPI from 31 December 2023
- A CRH affiliate to preferentially supply blocks to the JV

FBR grants JV exclusive Hadrian X[®] supply rights covering U.S.

Majority of FBR's global annual Hadrian X[®] manufacturing capacity reserved for JV for first 30 units / year (includes licensed 0EMs)

US\$40m revolving debt facility for JV to fund Hadrian X® purchases from FBR FBR supplies Hadrian X[®] operator training and machines maintenance services to JV for fixed price





Path to 300 Hadrian X®'s in the U.S.

Purchase Order	Quantum	Conditions
Initial 20 Hadrian X [®] units	 US\$2.0m each³, US\$1.1m deposit, remainder paid on delivery and completion of SAT 3 units delivered ASAP, remaining 17 ordered in batches of 3 (except final batch of 2 units) 	 Annual interest rate, payable quarterly (6-month USD SOFR + 1.5%) Additional instalments triggered by: 30% gross margin¹, 75% utilisation over 6 months for incumbent² fleet 30% gross margin, 50% utilisation rate over 2 months on 3 most recently delivered units
Second 39 Hadrian X [®] units	 US\$2.0m each³, US\$1.1m deposit, remainder paid on delivery and completion of SAT Ordered in batches of 3 Hadrian X[®] units 	 Annual interest rate, payable quarterly (6-month USD SOFR + 3.0%) Hadrian X[®] units ordered under the same terms and subject to the same requirements as above
Third 40 Hadrian X® units	 US\$2.0m each³, US\$1.1m deposit, remainder paid on delivery and completion of SAT Ordered in batches of 3 Hadrian X[®] units (except final batch of 1 unit) 	 Annual interest rate, payable quarterly (6-month USD SOFR + 4.0%) Hadrian X[®] units ordered under the same terms and subject to the same requirements as above
Fourth 200 Hadrian X® units (40 options of 5 units)	 JV granted 40 options to purchase Hadrian X® units in tranches of 5 at lesser of US\$2.5m each³; or price charged by FBR's third-party manufacturer 	- If JV does not exercise the options for at least 20 Hadrian X® units per year, all remaining options immediately terminate (1) 10 10 10 10 10 10 10 10 10 10 10 10 10

^{1.} Gross margin refers to direct revenues and costs incurred at site, and excludes JV overhead, corporate costs, and depreciation of Hadrian X® units

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^{2.} Incumbent fleet is the fleet of Hadrian X® units held by the JV minus the three most recently delivered units

CPI adjusted

^{4.}Refer ASX Announcement dated 18 January 2024 for further detail