

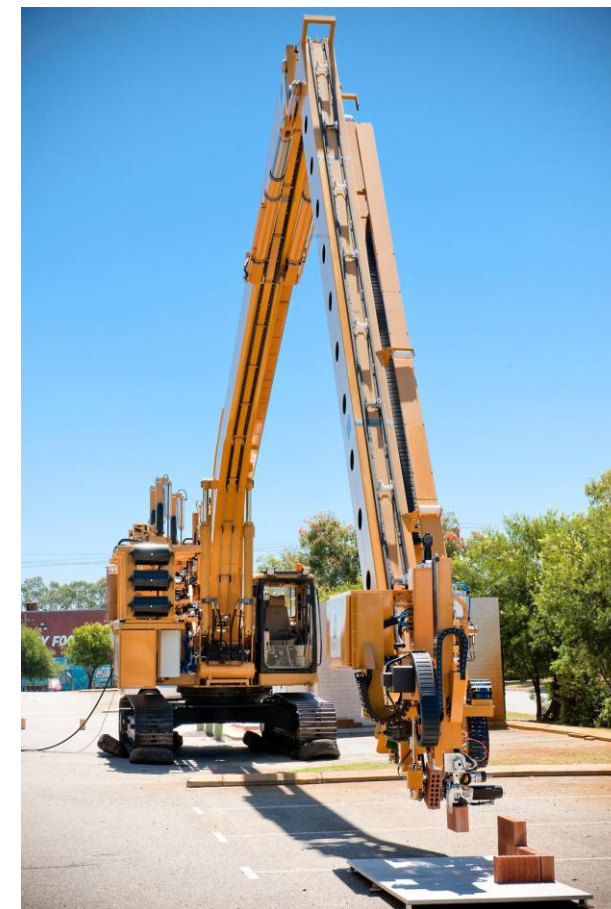
# FASTBRICK ROBOTICS

## Building a revolution



# Fastbrick Robotics

- Revolutionary, fully automated, 'end-to-end' bricklaying
- Developed to complete the brickwork of an average house, from slab to cap height, in 1-2 days
- Time, cost, quality, accuracy and safety benefits to significantly enhance construction and house affordability
- Proof of concept complete with >\$7M spent on R&D
- Supported by federal government grants and major industry partners – Dale Alcock, Brickworks Limited (ASX.BKW, ASX200)
- Patent protected, disruptive technology positioned to redefine global construction industry



# Key Personnel

## Mark Pivac

Chief Technical Officer

Aeronautical / Mechanical /  
Electrical Engineer

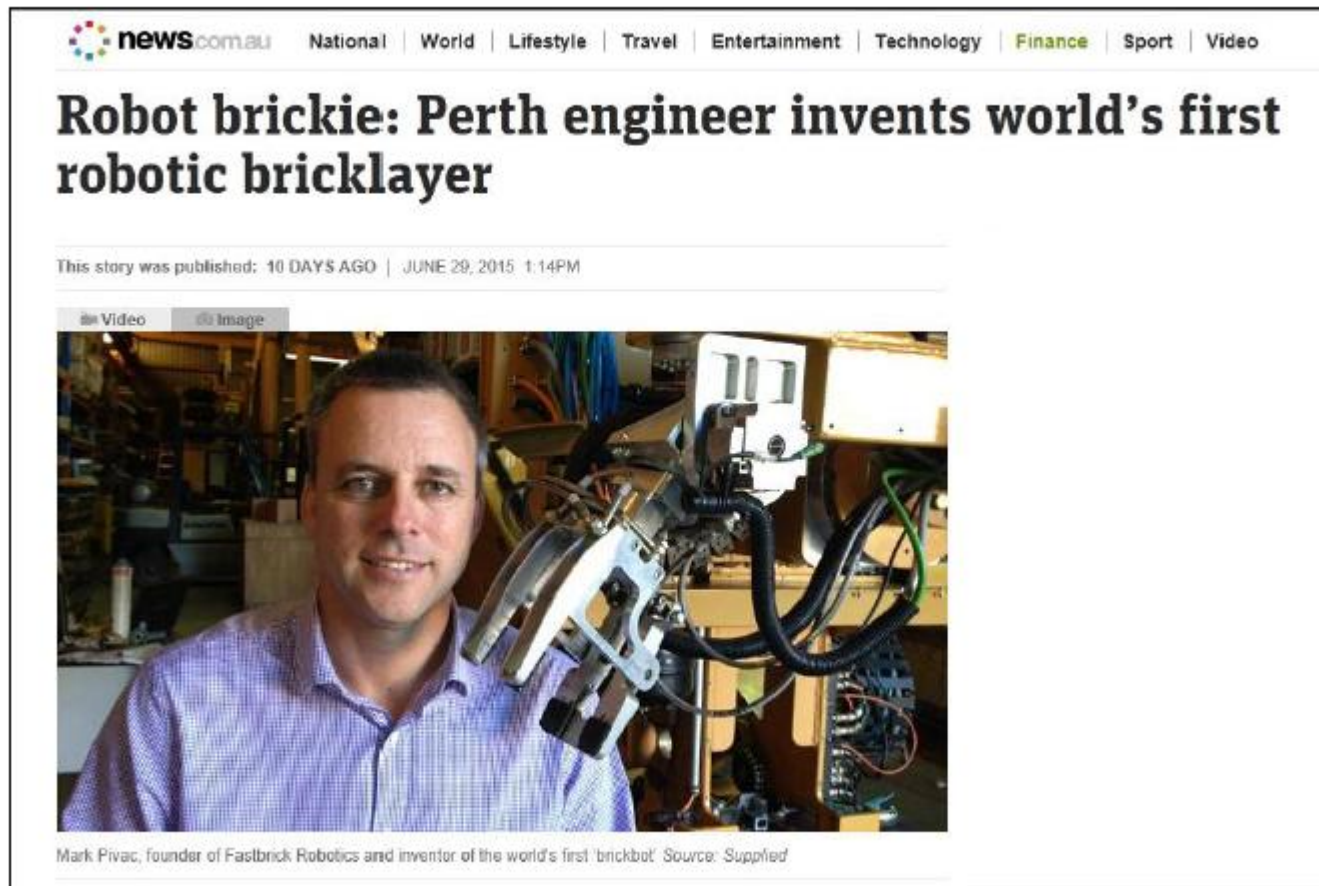
>25 years developing innovative  
high technology equipment

## Mike Pivac

Chief Executive Officer

Airborne Electronic Systems  
specialist

Extensive Business Operations and  
Management experience



# Construction Primed for Robotics

- Larger shortage of bricklayers than any other skilled trade in construction
- Manual bricklaying is a bottleneck to reducing the time and cost of construction
- Labour inefficiencies, wasted materials and miscommunication account for annual industry losses of ~\$120 billion globally
- CAD/CAM systems can now be utilised to create efficiencies that were previously impossible
- Technological innovation will reduce the fundamental cost of construction

# Project Development

- ✓ First patent application filed in 2005 – Current protection in 11 countries including Australia, China, USA, Canada and 7 countries in Europe.
- ✓ Key patent: An automated bricklaying system for constructing a building from a plurality of bricks
- ✓ >\$7M spent on R&D including substantial support from federal government grants
- ✓ First fully functional prototype completed – “Hadrian105”
- ✓ Successful demonstration of Hadrian 105 with end-to-end construction of a predetermined structure without manual intervention

# Government Support & Industry Partners

- Federal government grant funding
- Dale Alcock (ABN Group Ltd) – technical and construction advisor
- Brickworks Limited (ASX.BKW, ASX200) – shareholder and manufacturing advisor

*“Australia's Fastbrick Robotics is at the forefront of construction automation and its innovative robotic bricklaying technology has the potential to service the overwhelming demand for housing, quicker and cheaper than ever before.”*

Dale Alcock – Managing Director, ABN Group Ltd

# Hadrian 109

- Brickwork of average house, slab to cap height, in 1-2 days
- Course-by-course bricklaying
- Universal brick compatibility
- Accepts architectural house plans (CAD system)
- Innovative, omni-track laser alignment system corrects for dynamic interference and vibration – 0.5mm laying accuracy
- 28m articulated boom with telescopic stick and robotic arm reach – entire house build from one set position
- Truck mounted mobility and self powered
- Developed to meet Australian building standards



# Potential Application - Domestic

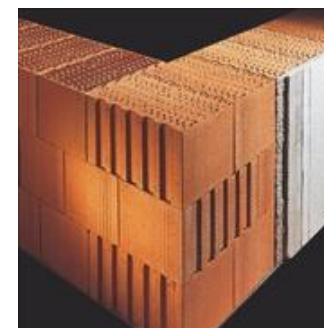
- New residential housing developments
- ~180,000 new homes built in 2014<sup>1</sup>
- Full brick, rendered homes
- Preferred building method – Strong, durable, low maintenance, greater thermal performance, fire resistance, acoustic performance and load bearing
- Higher cost is the major barrier to full brick construction
- Hadrian 105 tested and compatible with Austral 'slick bricks'
- Potential to address cost and affordability issues



1. Australian Bureau of Statistics

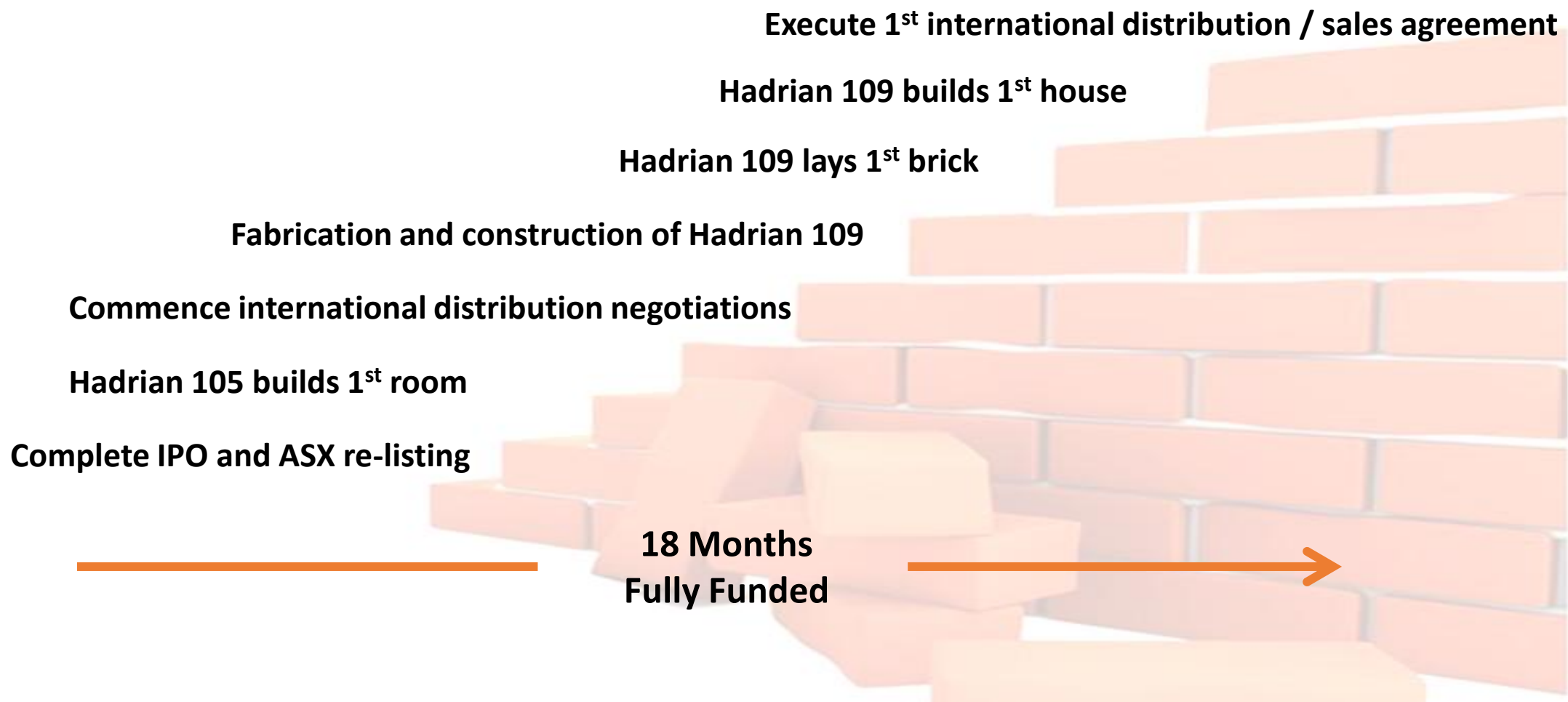
# Potential Application - Global

- Engineered block and adhesive construction (Europe)
- Strong demand with chronic shortages ~665,000 new houses - France, Germany and UK (2014)<sup>1</sup>
- Superior product: Improved size (efficiency), precision, durability, thermal performance (no insulation), fire protection and less waste
- Wienerberger AG (Austria): World's largest manufacturer with 230 sites in 30 countries ~€500 million clay block sales in Europe (2014)<sup>2</sup>
- Hadrian 109 design compatible with Wienerberger product and industry standard adhesive



1. Department of Communities and Local Government (UK); Department of Ecology and Development (France); ieconomics.com (Germany)  
2. 2014 Annual Report, Wienerberger AG

# Path to Commercialisation



# Post Transaction Management and Board

- **Mark Pivac** – Chief Technical Officer and Executive Director (Proposed)

Primary inventor, Aeronautical/Mechanical Engineer with >25 years experience developing innovative high technology equipment

- **Mike Pivac** – Chief Executive Officer and Executive Director (Proposed)

Experienced Airborne Electronic Systems specialist with many years in Business Operations Management, Workplace Training and OH&S

- **Shannon Robinson** – Non Executive Director (Proposed)

Corporate lawyer and corporate advisor with >10 years international experience. Director of several ASX listed companies including Spookfish Limited (ASX.SFI)

- **Gabriel Chiappini** – Non Executive Director (Existing)

Chartered Accountant with >20 years finance experience. Director and Company Secretary of several ASX listed companies including Black Rock Mining Limited (ASX.BKT)

# Transaction Overview

	Shares (m)	Options (m)	Performance Shares (m)
Existing DMY capital structure <sup>1</sup>	210	5	
Acquisition of Fastbrick Robotics <sup>2,3</sup>	163		500
IPO <sup>4,5</sup>	150	75	
<b>Re-quotation Capital Structure</b>	<b>523</b>	<b>80</b>	<b>500</b>
<b>Market Capitalisation at \$0.02/share (\$m)</b>	<b>\$10m</b>		

1. Existing options exercisable at \$0.08 prior to 18 September 2018

2. Includes 12,500,000 shares, equal to \$250,000 at the IPO price, as the repayment of existing loans from shareholders of Fastbrick Robotics.

3. Performance Shares to vest upon achievement of the following milestones:

*Class A Performance Shares: 166,666,666 performance shares upon successful demonstration of the Company's robotic building technology as proven by the construction of a 3 bedroom, 2 bathroom house structure within 3 days from commencement of construction on the site. If unconverted, Class A Performance Shares will expire after 36 months;*

*Class B Performance Shares: 166,666,666 performance shares upon successful completion, being payment for service, of the Company's tenth home structure constructed under a commercial arm's length contract. If unconverted, Class B Performance Shares will expire after 48 months; and*

*Class C Performance Shares: 166,666,666 performance shares upon achievement by the Company of reported annual revenue in a financial year from operations (excluding grant receipts and other income) of at least \$10,000,000. If unconverted, Class C Performance Shares will expire after 60 month.*

4. Assumes completion of \$3 million IPO at \$0.02 per share.

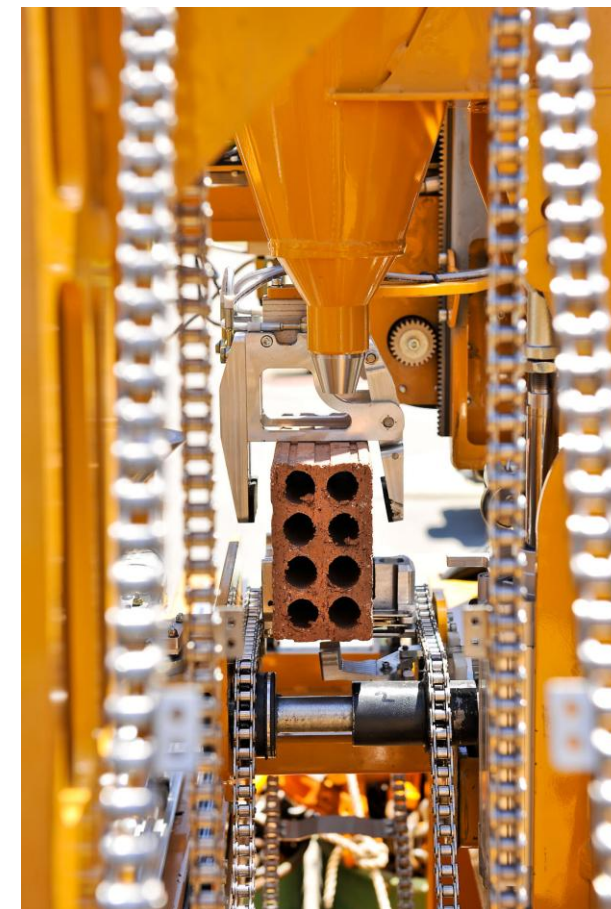
5. Includes 75 million broker options exercisable at the IPO price within 4 years of issue.

# Indicative Timetable

ACTIVITY	DATE
Executed binding agreement for the acquisition of Fastbrick Robotics	23 June 2015
Completion of due diligence and execution of formal acquisition agreements	14 August 2015
Despatch Notice of Meeting seeking approval for the acquisition of Fastbrick Robotics	Late August 2015
Lodgement of capital raising prospectus with ASIC	Late August 2015
General Shareholder Meeting to approve the acquisition of Fastbrick Robotics	Late September 2015
Closing date of prospectus offer	Late September 2015
Completion of acquisition of Fastbrick Robotics and re-quotation on the ASX	Mid October 2015

# Summary

- Innovative, disruptive technology
- Strong government and industry support
- Significant time, cost, quality and safety benefits
- Global patents secure Fastbrick's competitive position
- Proof of concept complete ~\$7 million spent on R&D
- Massive global market >2 million new houses in USA, Europe and Australia (2014)
- Strong demand for new affordable housing globally
- \$3M IPO to fund commercialisation



# Contacts

## **Fastbrick Robotics**

[www.fastbrickrobotics.net](http://www.fastbrickrobotics.net)

### **DMY Capital**

Gabriel Chiappini

Non-Executive Director

T: +61 8 9226 3315

### **Cygnnet Capital – Lead Manager**

Darien Jagger

Director of Corporate Finance

T: +61 8 9226 5511

### **Market Eye – Investor Relations**

Robert Gundelach

Associate Director

T: +61 8 6181 0081

# Important Information

This presentation has been prepared by Fastbrick Robotics Group (“Fastbrick Robotics ” or the “Company”) based on information available to it as at the date of this presentation. The information in this presentation is provided in summary form and does not contain all information necessary to make an investment decision.

This presentation does not constitute an offer, invitation, solicitation or recommendation with respect to the purchase or sale of any security in Fastbrick Robotics , nor does it constitute financial product advice or take into account any individual’s investment objectives, taxation situation, financial situation or needs. An investor must not act on the basis of any matter contained in this presentation but must make its own assessment of Fastbrick Robotics and conduct its own investigations. Before making an investment decision, investors should consider the appropriateness of the information having regard to their own objectives, financial situation and needs, and seek legal, taxation and financial advice appropriate to their jurisdiction and circumstances. Fastbrick Robotics is not licensed to provide financial product advice in respect of its securities or any other financial products. Cooling off rights do not apply to the acquisition of Fastbrick Robotics securities.

Although reasonable care has been taken to ensure that the facts stated in this presentation are accurate and that the opinions expressed are fair and reasonable, no representation or warranty, express or implied, is made as to the fairness, accuracy, completeness or correctness of the information, opinions and conclusions contained in this presentation. To the maximum extent permitted by law, none of Fastbrick Robotics, its officers, directors, employees and agents, nor any other person, accepts any responsibility and liability for the content of this presentation including, without limitation, any liability arising from fault or negligence, for any loss arising from the use of or reliance on any of the information contained in this presentation or otherwise arising in connection with it.

The information presented in this presentation is subject to change without notice and Fastbrick Robotics does not have any responsibility or obligation to inform you of any matter arising or coming to their notice, after the date of this presentation, which may affect any matter referred to in this presentation.

The distribution of this presentation may be restricted by law and you should observe any such restrictions.

## Forward looking statements

This presentation contains certain forward looking statements that are based on the Company’s management’s beliefs, assumptions and expectations and on information currently available to management. Such forward looking statements involve known and unknown risks, uncertainties, and other factors which may cause the actual results or performance of Fastbrick Robotics to be materially different from the results or performance expressed or implied by such forward looking statements. Such forward looking statements are based on numerous assumptions regarding the Company’s present and future business strategies and the political and economic environment in which Fastbrick Robotics will operate in the future, which are subject to change without notice. Past performance is not necessarily a guide to future performance and no representation or warranty is made as to the likelihood of achievement or reasonableness of any forward looking statements or other forecast. To the full extent permitted by law, Fastbrick Robotics and its directors, officers, employees, advisers, agents and intermediaries disclaim any obligation or undertaking to release any updates or revisions to information to reflect any change in any of the information contained in this presentation (including, but not limited to, any assumptions or expectations set out in the presentation).