

**FASTBRICK ROBOTICS LIMITED**  
(ASX:FBR)



# Annual General Meeting

27 November 2017

# AGM 2017 AGENDA

- 1. Welcome & Open to Fastbrick Shareholders*
- 2. Chair update – Gabriel Chiappini*
- 3. Formal Business & Poll – Gabriel Chiappini*
- 4. CEO Presentation – Mike Pivac*
- 5. Q&A from Shareholders*
- 6. Poll Result & Close*



**FASTBRICK ROBOTICS LIMITED**  
(ASX:FBR)



# Formal Business of AGM

27 November 2017

# AGM 2017 - RESOLUTIONS

1. Remuneration Report
2. Re-election of Mark Pivac
3. Performance Rights – Mike Pivac
4. Performance Rights – Mark Pivac
5. Performance Rights – Gabriel Chiappini
6. Adoption of Option Plan
7. 10% Placement Capacity

Poll to be called for approval of Resolutions



# PROXIES RECEIVED

Resolution	Vote type	Voted	%	% of all securities
1, ADOPT REMUNERATION REPORT	For	80,184,401	79.79	9.50
	Against	16,858,653	16.77	2.00
	Open-Usable	3,449,552	3.44	0.41
	Board	2,709,502	2.70	0.32
	Non-Board	740,050	0.74	0.09
	Open-Cond	0	0.00	0.00
	Open Unusable	0	N/A	0.00
	Abstain	2,112,406	N/A	0.25
	Excluded	132,946,142	N/A	15.75
	2, RE-ELECT MARK PIVAC	For	231,382,292	98.32
Against		536,137	0.23	0.06
Open-Usable		3,422,207	1.45	0.41
Board		2,682,157	1.14	0.32
Non-Board		740,050	0.31	0.09
Open-Cond		0	0.00	0.00
Open Unusable		0	N/A	0.00
Abstain		210,518	N/A	0.02
Excluded		0	N/A	0.00
3, AUTH GRNT PERF RGTS PIVAC		For	179,992,459	86.60
	Against	24,436,348	11.76	2.89
	Open-Usable	3,401,752	1.64	0.40
	Board	2,661,702	1.28	0.32
	Non-Board	740,050	0.36	0.09
	Open-Cond	0	0.00	0.00
	Open Unusable	0	N/A	0.00
	Abstain	809,369	N/A	0.10
	Excluded	26,911,226	N/A	3.19
	4, AUTH GRNT PERF RGTS PIVAC	For	107,515,095	78.86
Against		25,359,377	18.60	3.00
Open-Usable		3,460,899	2.54	0.41
Board		2,720,849	2.00	0.32
Non-Board		740,050	0.54	0.09
Open-Cond		0	0.00	0.00
Open Unusable		0	N/A	0.00
Abstain		895,975	N/A	0.11
Excluded		98,319,808	N/A	11.64
5, ATH GRT PF RGTS CHIAPPINI		For	197,103,246	85.74
	Against	26,461,697	11.51	3.13
	Open-Usable	6,337,457	2.75	0.75
	Board	2,809,528	1.22	0.33
	Non-Board	3,527,929	1.53	0.42
	Open-Cond	0	0.00	0.00
	Open Unusable	0	N/A	0.00
	Abstain	721,525	N/A	0.09
	Excluded	4,927,229	N/A	0.58
	6, ADOPT INCENTIVE OPT PLAN	For	214,685,892	91.37
Against		16,879,934	7.19	2.00
Open-Usable		3,399,552	1.44	0.40
Board		2,659,502	1.13	0.31
Non-Board		740,050	0.31	0.09
Open-Cond		0	0.00	0.00
Open Unusable		0	N/A	0.00
Abstain		585,776	N/A	0.07
Excluded		0	N/A	0.00
7, APPROVAL 10% PLCMNT FAC		For	213,672,811	91.64
	Against	16,047,760	6.88	1.90
	Open-Usable	3,447,662	1.48	0.41
	Board	2,707,612	1.16	0.32
	Non-Board	740,050	0.32	0.09
	Open-Cond	0	0.00	0.00
	Open Unusable	0	N/A	0.00
	Abstain	2,382,921	N/A	0.28
	Excluded	0	N/A	0.00

## Not a resolution

*“To table and consider the Annual Report of the Company and its controlled entities for the year ended 30 June 2017, which includes the Financial Report, the Directors' Report and the Auditor's Report.*

*Any queries?*



# Resolution 1 : Remuneration Report

*“That, for the purposes of section 250R(2) of the Corporations Act and for all other purposes, the Remuneration Report be adopted by the Shareholders on the terms and conditions in the Explanatory Memorandum.”*

For	Open to Chair	Open Non-Chair	Against	Abstain	Excluded
80,184,401	2,709,502	740,050	16,858,653	2,112,406	132,946,142

Poll called for approval of Resolution 1



# Resolution 2 : Re-election of Mr Mark Pivac

*“That Mr Mark Pivac, who retires in accordance with Rule 52 of the Constitution, being eligible and offering himself for re-election, be re-elected as a director of the Company with immediate effect.”*

For	Open to Chair	Open Non-Chair	Against	Abstain	Excluded
231,382,292	2,682,157	740,050	536,137	210,518	132,946,142

Poll called for approval of Resolution 2





# Resolution 3 : Authority to grant Performance Rights to Mr Michael Pivac

*“That, for the purposes of Listing Rule 10.11, and for all other purposes, approval is given for the Company to grant 2,000,000 Performance Rights to Mr Michael Pivac (or his nominees) on the terms and conditions set out in the Explanatory Memorandum.”*

For	Open to Chair	Open Non-Chair	Against	Abstain	Excluded
179,992,459	2,661,702	740,050	24,436,348	809,369	26,911,226

Poll called for approval of Resolution 3



# Resolution 4 : Authority to grant Performance Rights to Mr Mark Pivac

*“That, for the purposes of Listing Rule 10.11, and for all other purposes, approval is given for the Company to grant 1,800,000 Performance Rights to Mr Mark Pivac (or his nominees) on the terms and conditions set out in the Explanatory Memorandum.”*

For	Open to Chair	Open Non-Chair	Against	Abstain	Excluded
107,515,095	2,720,849	740,050	25,359,377	895,975	98,319,808

Poll called for approval of Resolution 4



# Resolution 5 : Authority to grant Performance Rights to Mr Gabriel Chiappini

*“That, for the purposes of Listing Rule 10.11, and for all other purposes, approval is given for the Company to grant 1,400,000 Performance Rights to Mr Gabriel Chiappini (or his nominees) on the terms and conditions set out in the Explanatory Memorandum.”*

For	Open to Chair	Open Non-Chair	Against	Abstain	Excluded
197,103,246	2,809,528	3,527,929	26,461,697	721,525	4,927,229

Poll called for approval of Resolution 5



# Resolution 6 : Adoption of Incentive Option Plan

*“That approval be given for the adoption by the Company of an Incentive Option Plan (“Plan”), the terms and conditions of which are contained in Schedule 2 to the Explanatory Memorandum accompanying this Notice of Meeting and, further, that approval be given for the purposes of Listing Rule 7.2 Exception 9 (and for all other purposes) for all issues of Securities under the Plan as an exception to Rule 7.1 of the Listing Rules for a period of 3 years from the date of this Meeting.”*

For	Open to Chair	Open Non-Chair	Against	Abstain	Excluded
214,685,892	2,659,502	740,050	16,879,934	585,776	-

Poll called for approval of Resolution 6



# Resolution 7 : Approval of 10% Placement Facility

*"That, pursuant to and in accordance with Listing Rule 7.1A and for all other purposes, Shareholders approve the issue of Equity Securities up to 10% of the issued capital of the Company (at the time of the issue) calculated in accordance with the formula prescribed in Listing Rule 7.1A.2 and on the terms and conditions in the Explanatory Memorandum."*

For	Open to Chair	Open Non-Chair	Against	Abstain	Excluded
213,672,811	2,707,612	740,050	16,047,760	2,382,921	-

Poll called for approval of Resolution 7



**FASTBRICK ROBOTICS LIMITED**  
(ASX:FBR)



# CEO Presentation

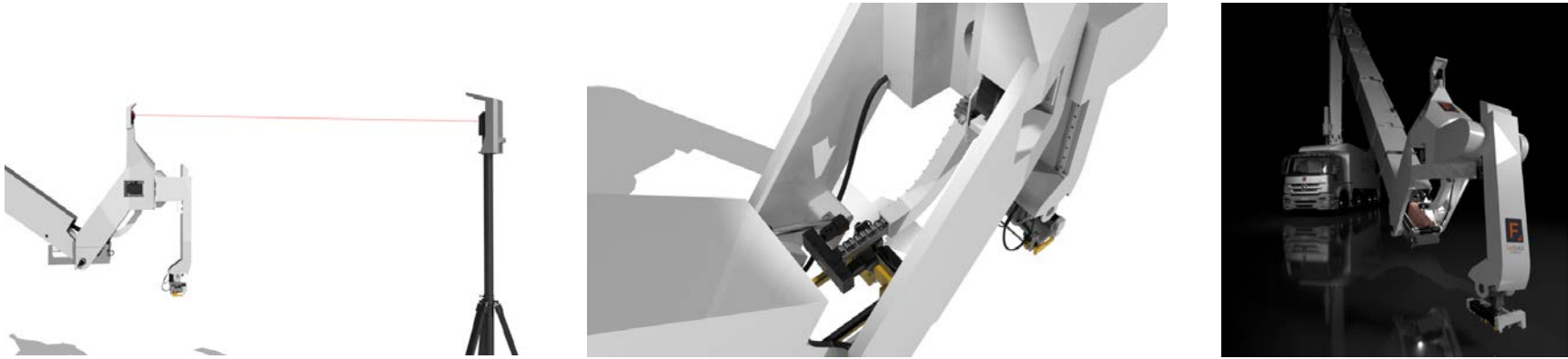
Mike Pivac

# A Robotics Technology Company

- Fastbrick Robotics Limited (ASX:FBR) is an Australian robotic technology company
- Focus is developing robotic solutions for industry sectors susceptible to disruption
- Initial focus is to disrupt the construction sector with digital construction products
- First product is the revolutionary Hadrian X construction robot which is a globally patented 3D robotic bricklaying system
- Hadrian X is enabled by the Company's Dynamic Stabilisation Technology ("DST"). This now enables the revolutionary transition of industrial robotics from controlled factory environments to uncontrolled outdoor working environments
- Extensive Intellectual property portfolio around the Hadrian X and DST



# Digital Construction Disruption



Hadrian X to initially **target** and **disrupt** a **traditional** and **unproductive, labour intensive** sector





# Our Strategic Pillars

1

## Hadrian X Construction Robot

De-Risked  
Technology

Proven and de-risked technology. 3D design, engineering and testing nearing completion. Procurement of parts & machine assembly now commenced. Full assembly completion, testing and demonstration to take place during 2018



Global Scaling  
Partner

Caterpillar Incorporated (NYSE:CAT) – MOU signed in July 2017, further agreements to be negotiated and finalised dealing with strategic alliance, IP and manufacturing



Customer  
Discovery/Demand

Conversion of key customers, who will become FBR's early adopters in key geographical markets. Early adopters to use FBR technology to disrupt their markets



2

## Intellectual Property

Continue to strengthen Fastbrick's extensive IP portfolio around DST and the Hadrian X and ensure Fastbrick's IP strategy supports a pipeline of future products and DST applications



3

## New Applications for DST

FBR will work with industry leaders to collaborate on new products based around DST applications.



# Hadrian X

## Program Schedule and Key Milestones



Proven, demonstrated and de-risked enabling technology

3D design, engineering and testing near completion



Machine construction and procurement of parts commenced

Completion of construction, testing and first home build scheduled for 2018

# Hadrian X: Competitive 'Unfair' Advantage

- The first end-to-end in situ bricklaying system
- Delivers an automatic loading, cutting, routing & digital placement solution for all bricks used to construct a house
- Unique technology solution to a problem preventing precision industrial robotics moving beyond factory walls
- Enables unprecedented advancements in speed, accuracy, and safety while reducing cost & waste management
- Technology validation by leading construction & machine manufacturing companies
- Revolutionising the construction industry, changing the way we build



The Hadrian X construction robot

# Hadrian X: Competitive 'unfair' advantage (cont'd)



- Requires minimal human interaction and can work 24 x 7 in extreme conditions
- Design capability of up to 1,000 bricks per hour, truck mounted and self-powered (although can be mounted on many other bases)
- Current universal brick compatibility up to 500mm x 250mm x 230mm and 20kg
- 27m robotic multi-stage telescopic boom allows completion of all brickwork from a single position on site
- DST using Omni-track laser alignment, corrects for dynamic interference and vibration to within 0.5mm accuracy of a computer-aided design (CAD)
- Enabled by proprietary software (completed) which seeds the Hadrian X with house designs



The total global construction sector  
is estimated to be  
**USD\$13 trillion**

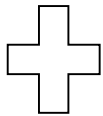
Hadrian X  
to initially target **USD\$1.3 trillion**  
“Brick & Block” sector

# Global Partnering and Product Scaling Strategy



Caterpillar is Fastbrick's preferred global partner

**CATERPILLAR®**



CAT MOU signed July 2017



CAT Strategic Investment in FBR – with a further option



Progressing Strategic Alliance



CAT and FBR IP & Licensing Arrangements



Production & Manufacturing Solution

# Customer Discovery/Product Demand Strategy

Fastbrick to discover and harvest early adopters in key markets

- 
- Early adopters to **invest in pilot programmes**
  - Early adopters to be **disruptive agents**
  - MOU signed **Kingdom of Saudi Arabia**
  - “**pre-launch order book**”
  - Significant **demand pull** for Hadrian X product

# Intellectual Property Strategy

Integrated IP aggregation strategy to protect, manage and extract maximum value from Fastbrick's IP portfolio



Global  
Patent  
portfolio  
covering  
**Key Markets**



Patents  
**fused  
with**  
Trade Secrets  
and other IP



IP strategy  
supports both  
current and new  
products and  
underlying DST  
**Future IP**



# Milestones Achieved Post-IPO

Recent initiatives and developments have enabled FBR to achieve milestones ahead of plans



Hadrian 105 demonstrator - DST proven and de-risked and Hadrian X proof of concept achieved

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Shareholder value creation, CY16 capital raised at 4x IPO price and material \$35m placement at 9.5x IPO price and a value of \$200m

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Global partnership MOU signed with Caterpillar Inc. (NYSE:CAT)

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Early success in **customer discovery strategy** with the signing of the MOU with **Kingdom of Saudi Arabia**

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Launch of proprietary CAD software and completion for use Hadrian X

# Milestones 2018 and Beyond



- Assembly
- Testing
- Demonstration
- Construction

- Progress:
- Strategic Alliance; IP arrangements; and Manufacturing

- Pre-launch order book
- Harvest early adopters
- Agents of disruption

- Home building demonstrations
- Key markets for disruption
- Pathway to commercialisation

- Activate pipeline of new product applications of DST
- High rise construction, sub-sea, civil construction, oil & gas, mining

# Leadership Team



**Michael Pivac**

**Executive Director & Chief Executive Officer**

Michael Pivac is a former airborne mission systems specialist with broad experience in night vision, infrared and radar detection systems and has been key to developing the technology and developing the Business Plan and Machine Development Strategy.



**Mark Pivac**

**Executive Director & Chief Technology Officer**

Mark Pivac is the primary inventor of Fastbrick's Dynamic Stabilisation technology. He is an aeronautical and mechanical engineer with over 25 years' experience working on the development of high technology equipment and 20 years' experience of pro/engineer 3D computer-aided design (CAD)



**Marcus Gracey**

**Chief Operating Officer**

Marcus is an experienced ASX company executive and director, a corporate and technology lawyer and a Chartered Company Secretary. Marcus has extensive international experience with specific expertise in the commercialisation of new technologies, technology transfer and licensing, the global protection and enforcement of intellectual property rights, the development and execution of international business strategy along with significant public company governance and compliance experience.



**Gabriel Chiappini**

**Director**

Gabriel is an experienced ASX director and has been active in the capital markets for 17 years. Gabriel has assisted in raising in excess of AUD\$450m in funding and has provided investment and divestment guidance to a number of companies. Gabriel specializes in Start-Up companies and assists companies with their growth and strategic direction and has been involved with 10 ASX IPO's in the last 12 years. Gabriel is a member of the Australian Institute of Company Directors and Chartered Accountants Australia & New Zealand.

# Corporate Snapshot



## Current Capital Structure

Shares outstanding <sup>1</sup>	1,028.5m
Options <sup>2</sup>	35.7m
Performance Securities <sup>3</sup>	509.3m
Cash (30 Sept 2017) <sup>4</sup>	\$9.5m
Market Cap. (\$0.20) <sup>5</sup>	\$205m

## Board of Directors

Shannon Robinson	Non-Exec. Chair
Mike Pivac	CEO/Exec. Director
Mark Pivac	CTO/Exec. Director
Gabriel Chiappini	Non-Exec. Director

## 1 Year Share price chart (LTM)



### Notes

- Includes the placement of 184,210,526 shares announced to ASX on 22-Nov-2017. Shares to be allotted 28-Nov-2017
- Includes 34.2m options exercisable at \$0.02, expiring 12-Nov-19, and 1.5m options exercisable at \$0.08, expiring on 18-Sep-18.
- Includes 500.0m Performance Shares vesting evenly across the following milestones:
  - Class A: Successful demonstration of the company's robotic building technology through construction of a 3 bedroom, 2 bathroom home structure;
  - Class B: Construction of 10th home structure under commercial contract; and
  - Class C: Annual operating revenue of at least \$10m.
- Excludes the \$35m (before costs) placement announced to ASX on 22-Nov-2017.
- Allows for 184,210,526 shares announced to ASX on 22-Nov-2017.

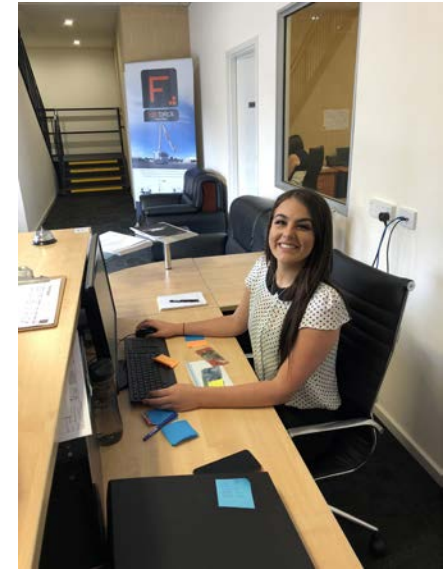
## Fastbrick well funded to execute on its strategic objectives

- ✓ Hadrian X – 2 prototypes under construction at FBR HQ
- ✓ Bolstering Senior Executive team and Engineering department
- ✓ Advancement of Global partnership with Caterpillar Inc.
- ✓ **Customer discovery strategy** investment in global early adopters to roll into Pilot Programme and pre-launch order book
- ✓ Continued investment in IP and Research & Development
- ✓ **New Applications** – FBR to seed new applications via its DST platform technology

# Fastbrick People & Infrastructure



Fastbrick has  
passionate,  
industrious and  
committed people



Join the Revolution...

Thank You Mike

Any Questions?



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# Fastbrick Robotics Ltd 2017 AGM Close



Thank you for your support & attendance

# Join the Revolution...

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