FASTBRICK ROBOTICS LIMITED
(ASX:FBR)



Investor Presentation

October 2017

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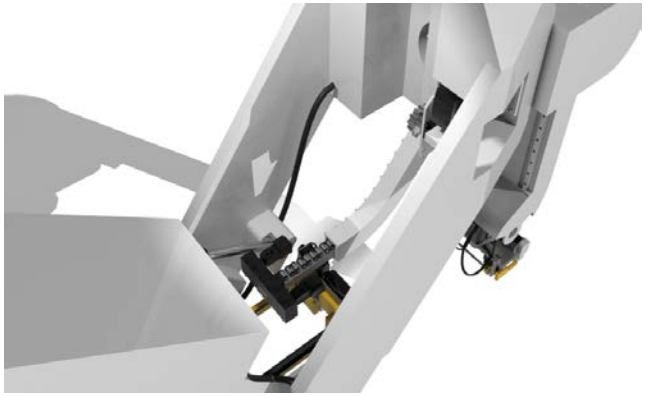
A Robotics Technology Company

- Fastbrick Robotics Limited (ASX:FBR) is an Australian robotic technology company developing industry solutions and aims to disrupt the construction sector via digital construction solutions
- Fastbrick's revolutionary construction robot Hadrian X, represents the first product enabled by the Company's underlying intellectual property ("IP")
- Fastbrick's Core IP - Dynamic Stabilisation Technology ("DST")
- Hadrian X is a globally patented 3D robotic bricklaying system and marks the revolutionary transition of industrial robotics from controlled factory environments to uncontrolled outdoor environments, enabled by Fastbrick's DST



Digital Construction Disruption







Hadrian X to
disrupt
a **traditional** and **labour intensive** sector





Our Strategic Pillars

1	**Hadrian X Construction Robot**	Procurement & build commenced, assembly and demonstration during 2018 
2	**Global Partner**	Caterpillar Incorporated (NYSE:CAT) – MOU signed in July 2017, further agreements to be negotiated and finalised dealing with manufacturing, distribution, IP and Licencing
3	**Customer Discovery**	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
4	**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 applications 
5	**New Applications for DST**	FBR will work with industry leaders outside of the housing construction sector to collaborate on new DST applications. 

Hadrian X
The Bricklaying Construction Robot

Construction of Hadrian X is **history in the making**

"Digital Construction"

Hadrian X will **disrupt the construction** sector



Early **technology adopters** to be **disruption** agents

FBR will **revolutionise** the global **construction** industry

Hadrian X: The Game Changer

- Hadrian X delivers an automatic loading, cutting, routing & digital placement solution for all the bricks used to construct a house
- The first globally patented 3D robotic end-to-end in situ bricklaying system
- Unique technology & IP
- Unparalleled process allowing unprecedented advancement in speed, accuracy, safety, cost & waste management
- Validated by leading construction & machine manufacturing companies
- Revolutionising the construction industry & changing the way we build
- “de-bottle necking” of construction process



The Hadrian X construction robot

Hadrian X: The Game Changer (cont'd)



- Hadrian X 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
- Universal brick compatibility up to 500mm x 250mm x 250mm
- 30m robotic arm allows completion of all brickwork from a single position on site
- DST system using Omni-track laser alignment system and corrects dynamic interference and vibration to within 0.5mm accuracy of a computer-aided design (CAD)
- Hadrian X will maximize efficiency and affordability of brick construction with efficient software called The Architectural Designer (TAD)

The Global Opportunity



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

& Hadrian X

will disrupt the USD$1.3 trillion "Brick & Block" sector as the **1st application** of DST

Global Partnering Strategy

Caterpillar is Fastbrick's preferred global partner

CATERPILLAR®

+



- ✓ CAT **MOU** signed July 2017
- ✓ CAT Strategic **Investment** in FBR – with a further option
- Progressing towards **Strategic** Alliance Agreement
- CAT and FBR **IP & Licensing** Agreements
- Production & Manufacturing **Solution**

Customer Discovery Strategy

Fastbrick to discover and harvest early adopters in key markets

- Early adopters to **invest in pilot programmes**
- Hadrian X **early adopters** to be **disruptive agents**
- MOU signed **Kingdom of Saudi Arabia** – "pre-launch order book"
- **Demand pull** via pre-launch order book



Intellectual Property Strategy

Fastbrick has an integrated IP Aggregation Strategy to protect, manage and maximise value from Fastbrick's IP portfolio



Global Patents in **Key Markets**



Patents **fused with** Trade Secrets



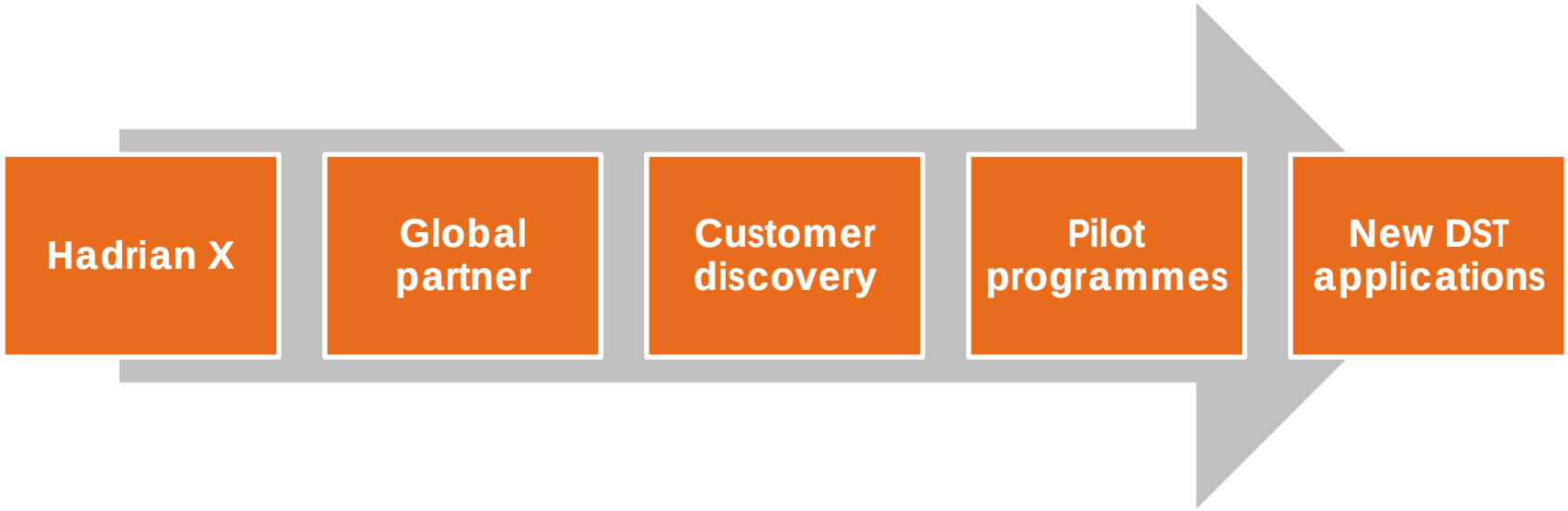
New DST Applications **Future IP**

Milestones Achieved Post-IPO

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

- **Hadrian 105 demonstrator - proof of concept achieved and DST de-risked**
- Shareholder value creation and CY16 capital raised at 4x IPO price
- **Global partnership MOU signed with Caterpillar Inc. (NYSE:CAT)**
- Early success in **customer discovery strategy** with the signing of the MOU with **Kingdom of Saudi Arabia**
- Launch of CAD software, The Architectural Designed (TAD)

Milestones 2018 and Beyond



- Assembly
- Testing
- Demonstration
- Construction

- Strategic Alliance agreement
- Manufacturing agreement
- IP agreement

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

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

- IP Strategy to "stake" new territory
- High rise construction, sub-sea, civil construction

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, corporate and technology lawyer and a Chartered Company Secretary. Prior to joining Fastbrick, Marcus acted as a Senior Legal Counsel with NYSE listed Newmont Mining Corporation. Other previous experience includes COO of iPernica Ltd. Marcus is responsible for Operations, IP Commercialistion and Business Development.



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$400m 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. Gabriel is a member of the Australian Institute of Company Directors and Chartered Accountants Australia & New Zealand.

Corporate Snapshot

Current Capital Structure

Shares outstanding[1]	797.2m
Options[2]	71.5m
Performance Securities	520.7m
Cash (30 June 2017)	$8.65m
Market Cap. ($0.27)	$215m

Board of Directors

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

Share price chart (LTM)



Notes

1. Includes 127.0m shares escrowed until 12-Nov-17.
2. Includes 70m options exercisable at $0.02, expiring 12-Nov-19, and 1.5m options exercisable at $0.08, expiring on 18-Sep-18.
3. 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.

Join the Revolution…

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