fastbrick robotics

Investor Presentation – June 2016

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Fastbrick Robotics

- World's first fully automated, 'end-to-end' bricklaying robot
- Designed to build a house from slab to cap in 1-2 days laying up to 1,000 bricks per hour*
- Delivers significant time, cost, quality, accuracy and safety benefits to brick construction and other trades
- Worldwide addressable market ~$100-200bn

*Standard Brick Equivalents

The Room Construction Milestone

Functions & Technology Successfully Demonstrated by the Hadrian 105

- ✓ Robotic de-hacking bricks from pallets
- ✓ Fully automated from pallet to slab without human interaction
- ✓ Accurate brick placement and dynamic pressure control
- ✓ Remote brick processing monitoring system
- ✓ Proprietary laser guidance system with automatic positioning and dynamic interference compensation
- ✓ Construction adhesive application system

- 1.6m(w) x 2.4m(l) x 2.4m(h) room built from CAD design
- 330 maxi bricks (equivalent to 2.2 standard bricks)
- Bricklaying rate ~200 bricks* per hour
- Door and window openings, manual lintel placement

*Standard Brick Equivalents

Building a Revolution

Path to commercialisation and go to market strategy

2016

Completed proof of concept with successful room build

Commenced construction of Hadrian X commercial prototype

Negotiations with global strategic partners to commence 2H16

2017

Complete manufacture of the first commercial machine

Complete testing phase of Hadrian X and construct first house in Perth

2018

Rollout of owner-operator commercial model in Australia

Commence global rollout with key strategic partners in each geographical market

The Hadrian X Commercial Prototype

Faster, cheaper, safer and more accurate construction

- Funded to commercialisation
- Minimal human interaction required
- Ability to work day and night, 7 days a week
- Design capability of up to 1,000 bricks per hour*
- Universal brick compatibility up to 500mm x 250mm x 250mm
- Omni-track laser alignment system corrects dynamic interference and vibration to 0.5mm accuracy of CAD design
- 30m robotic arm allows completion of all brickwork from a single position on site
- Truck mounted and self powered

*Standard Brick Equivalents

Rethinking Construction Management

The Hadrian X will streamline the residential construction process

- Build with advanced robotic precision, streamlining the rest of the construction process
- Maximise efficiency and affordability of brick construction with minimal wastage
- Multiple trades can work simultaneously by building to plan, not to measure
- Safer site, leading to reduced insurance costs
- Materials and labour for other trades can be accurately estimated and quoted
- Speeds up construction process by months
- More affordable for builders and home buyers

Working Smarter

Improving the efficiency and safety of brick construction sites

Traditional Site	Fastbrick Site
Overtime – Risk of cost-overruns	Hadrian works to a precise schedule, following CAD design
Fatigue/Injury – High risk	Hadrian lifts majority of heavy items, and removes the burden of manual labour
Resourcing & wastage – labour/materials	Material/labour costs accurately estimated for brick construction and other trades
Other trades build to measure after completion of the brickwork	Multiple trades can work simultaneously by building to plan, not to measure
Human error – Risk to project timeline, delays other trades, safety concerns	Zero errors in brick construction, laser-guided pinpoint accuracy
Hours of operation – work hours typically limited to daylight	Hadrian works 24/7
Weather/Seasonal Factors – Need to consider the health and safety of human workers	Rain, hale or shine. No tools down

Independent Market Assessment

- Independent global market assessment completed by BDO Consulting
- Global addressable market of ~$100 - $200bn
  - Most attractive markets: Australia, UK, USA and Canada ~$12bn
- Market inefficiencies create competitive advantages:
  - Time sensitivities due to climate
  - High material and labour costs
  - Labour shortages
  - Human error/inaccuracy
  - Stringent OH&S regulation

Australia ~$2.3bn + Canada ~$370m + USA ~$4bn + UK ~$5.5bn = **Key Markets ~$12bn**

Summary

- Large addressable global market ~$100 - $200bn
- International patents secure FBR's competitive position
- Development of commercial prototype fully funded – Hadrian X
- CAD/CAM design systems can now be utilised to create efficiencies that were previously impossible
- Competitive advantage – time, cost, quality and safety of construction
- Addresses a dire skills shortage as well as the housing affordability crisis
- Supported by government and major industry partners including Brickworks Limited (ASX.BKW)

contact

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Appendices

Corporate Overview

Key Personnel

Mike Pivac – Executive Director and CEO

- Airborne Electronic Systems specialist
- Extensive experience in Business Operations Management, Workplace Training and OH&S

Mark Pivac – Executive Director and CTO

- Aeronautical/Mechanical Engineer and Founder of Fastbrick Robotics

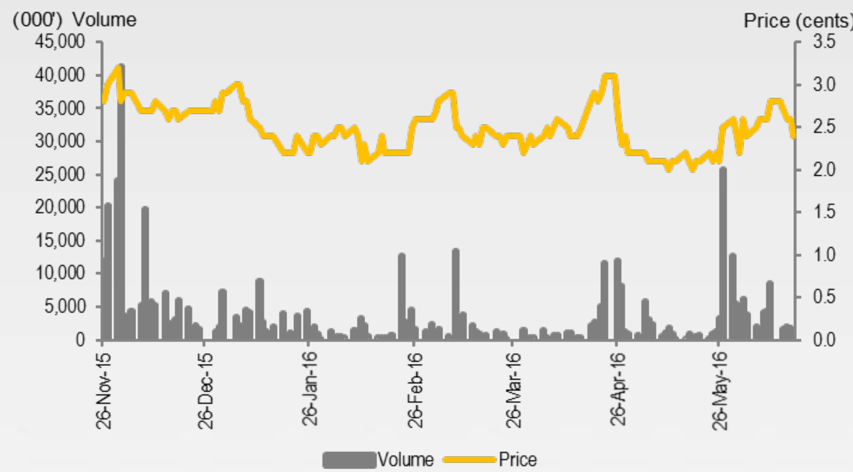
Shannon Robinson – Non-Executive Director

- Corporate lawyer and corporate advisor
- Director of Spookfish Limited (ASX.SFI), Yojee Limited (ASX.YOJ) and Equator Resources Limted (ASX.EQU)

Gabriel Chiappini – Non-Executive Director

- Chartered accountant and corporate consultant
- Director at Sunbird Energy (ASX.SNY), Global Geoscience Limited (ASX.GSC) Scotgold Resources Limited (ASX.SGZ) and Black Rock Mining (ASX.BKT)

Key Share Data



Ordinary Shares on Issue[1,2]	**663m**
Options on Issue[3]	80m
Cash in Bank[4]	$4.4m

1. Includes 150,000,000 shares subject to 12-24 month escrow from November 2015
2. Excludes 499,999,998 Performance Shares. Performance Shares to vest in 3 even tranches upon achievement of major commercial milestones.
3. Includes 75,000,000 options exercisable at $0.02 on or before 12 November 2019
4. Cash as at 31 March 2016

Priority Markets – Australia

$3.2bn
Australian Bricklaying Industry Revenue – FY15

$2.0-2.3bn
Market addressable by FBR

Domestic priority markets

~1.48bn
bricks laid

$1.60/brick
implied margin

WA
17.1%*

NSW
15.0%*

VIC
34.3%*

Opportunity in low-rise commercial

Competitive cost advantage

Double-brick residential construction highly favourable

3.8% increase in building commencements 2015/16

Large Market Size
Highly concentrated housing

*Percentage of bricklaying industry size in $ 2014-15

Priority Markets – UK and North America

- UK, USA and Canada identified as priority international markets
- Climatic conditions favour quick construction techniques
- Favourable language, government, currency factors
- Total addressable market for FBR ~$8.0 - $9.5bn
- High bricklaying margin in UK presents compelling market opportunity for FBR **~$3.21 per brick with 1.81Bn bricks laid in FY15** (65% residential)
- Southern region of the US has highest propensity to use brick
- 80% of the cost of brick construction in the UK, US and Canada is attributed to manual bricklaying labour*

*Average derived from total industry revenue in Australia and the UK, 2010 – 2014.