

COMPANY PRESENTATION - AUSTRALIAN NON DEAL ROADSHOW

Adelaide, Australia, 17 September 2018: LBT Innovations Limited (ASX: LBT) (LBT or the Company), a leader in medical technology automation using artificial intelligence is pleased to announce that Brent Barnes, CEO and Managing Director will be leading a non-deal roadshow in Australia this week. Mr Barnes and Ray Ridge, CFO, will be attending meetings with existing and new institutional investors as well as brokers and research analysts in Sydney, Melbourne and Adelaide.

The Company's Presentation for the non-deal roadshow is attached.

- ENDS -

About LBT Innovations

LBT Innovations Limited (**LBT**) improves patient outcomes by making healthcare more efficient. Based in Adelaide, South Australia, the Company has two world class-leading products in microbiology automation: MicroStreak®, which provides automated culture plate streaking and Automated Plate Assessment System (**APAS®**). Based on LBT's intelligent imaging and interpretative software, US FDA-cleared APAS® automates imaging, analysis and interpretation of culture plates following incubation. LBT has entered into a joint venture Clever Culture Systems AG (**CCS**) with Hettich Holding Beteiligungs- und Verwaltungs-GmbH to commercialise APAS® products. LBT's third product WoundVue® is in early development; this is a proposed automated solution to assist in the management of chronic wounds.

CONTACTS

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LBT Innovations Limited (ASX:LBT) Company Presentation

Brent Barnes

Chief Executive Officer & Managing Director

September 2018

Disclaimer

This document contains certain forward-looking statements that involve risks and uncertainties. Although we believe that the expectations reflected in the forward-looking statements are reasonable at this time, we can give no assurance that these expectations will prove to be correct.

Given these uncertainties, readers are cautioned not to place undue reliance on any forward-looking statements. Actual results could differ materially from those anticipated in these forward-looking statements due to many important factors, risk and uncertainties including, without limitation, risks associated with medical device development and manufacture, risks inherent in the extensive regulatory approval processes mandated by regulatory authorities, delays in clinical trials, future capital needs, general economic uncertainty and other risks detailed from time to time in the Company's announcements to the ASX.

Moreover, there can be no assurance that others will not independently develop similar products or processes or design around patents owned or licensed by the Company, or that patents owned or licensed by the Company will provide meaningful protection or competitive advantages.



Overview

Artificial intelligence platform automating manual healthcare processes

Commercial launch underway

EU & AU - US late 2018

Cost and efficiency gains for Pathology labs 3 times faster than manual reading

Attractive revenue model

upfront + annual fees

Addressable market of 13,000 labs globally



APAS® Independence

FDA cleared - 10,000 patient clinical study

Proprietary patented technology

1st sale completed St. Vincent's Hospital, Melb

> **Expanding leadership** team & board



Corporate Snapshot – ASX.LBT

Key Statistics as at 14 Sep 2018		
Current Price	\$0.11 per share	
12 month range	\$0.096 - \$0.325	
Shares Outstanding	200.9 million	
Options Issued	18.1 million	
Market Cap	~\$22.1 million	
Shareholders	Insto (10%), Industry (8%), Dir + Mgmt (5%)	



Financials

- \$7.9m raised fund LBT to cashflow positive in early 2020
- Cash as at 30 June ~\$7.5m
- Focus on early commercial launch & global footprint

Recent Achievements

- ✓ Nov17 St Vincent's Melbourne evaluation completed
- ✓ Dec17 \$2m AutoBio strategic placement completed
- ✓ Jan18 \$4m funding from South Australian Government
- ✓ Apr18 First EU installation Labor Dr Wisplinghoff
- ✓ Apr18 APAS® data presented at ECCMID meeting
- √ May18 \$7.9m oversubscribed private placement & SPP
- ✓ Aug18 First sale of APAS® Independence system AU
- ✓ Aug18 \$4m facility from SA Government finalised

Upcoming Milestones

- 2H 2018 AM MRSA Clinical Trials commence
- 2H 2018 510(K) for US FDA
- 2H 2018 US market entry meetings with labs

Commercialisation commenced following 6 years technology development

Capital secured until cashflow positive expected in early 2020



Problems facing our customers - Pathology laboratories



Poor resource utilisation

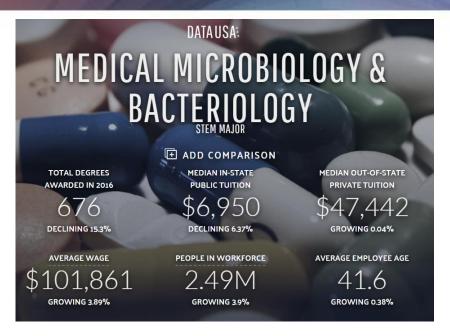
Up to 85% of plates can be negative

Ensuring consistent results

 Known variability in microbiologist plate reading – error rates of 5.5% - 6.6%; over 12% morphology⁴

Increasing staff costs

Microbiologist costs AUD\$80,000 - 150,000+



Recruiting Microbiologists

- Average age of microbiologist is 51 years (AU)¹, 42 (US)²
- US vacancy rate at any one time is 9%³
- Declining profession / labour shortage

Workplace safety & staff management

- Strain injuries caused by repetitive manual processes
- Management: sick days, annual leave



Data USA - https://datausa.io/profile/cip/260503/

ASCP Laboratory Workforce Report, April 10, 2018

^{4.} J. Clin. Microbiol. doi:10.1128/JCM.01380-16

Launch Market - First Sale achieved August 18



Customer Evaluation – November 2017

- Confirmed utility and efficiencies in a "real life" clinical setting
- > 3000 urine samples, automatically read and interpreted by APAS® Independence

Commercial sale – August 2018

Terms undisclosed – pricing consistent with guidance

Publication presented at ECCMID 2018

Image interpretation of urine cultures using the APAS® Independence — artificial intelligence in the routine clinical laboratory

"APAS Independence performed with a high level of sensitivity and specificity and facilitated operational efficiencies in both specimen processing and culture reading."



Channel 7 Melbourne, Sunday 8th October 2017 https://www.facebook.com/7NewsMelbourne/videos/10155915549244301/

Feedback from St Vincent's evaluation

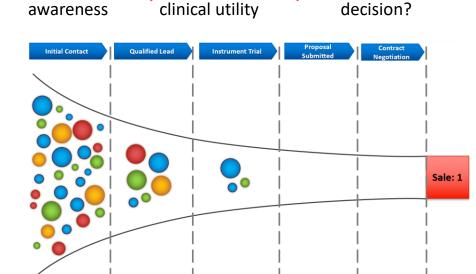
- The instrument works and performance targets were successfully met
- Laboratory efficiencies were observed
- Installation was easy with no special requirements as the instrument is simply wheeled into a lab and plugged in
- High level of user engagement
- User interface intuitive and easy to use.



Multiple sales focus: Australian Launch Market

1. Raise

- 1st sale achieved in August 2018
- Positive market feedback
- Pipeline sales targets identified, exact sales timing difficult to predict
- Sales cycle 6 12+ months
- Sales visits completed in major public and private laboratories in QLD, VIC, NSW, SA



2. Verify

3. Budget, buying

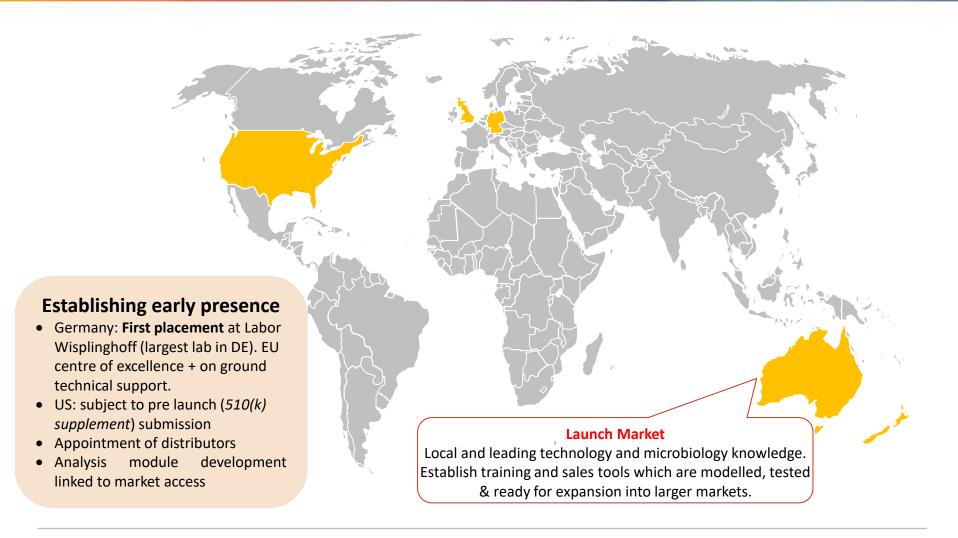
Market segmentation well understood:

- Target market: ~100 labs (processing a minimum of 400 plates per day)
- Total market size ~272 labs





2018/19 Launch: Adoption & Footprint for scale





Attractive Revenue Model

End Customer Pricing



Instrument once off purchase price:

~USD\$300,000

Annual Software License:

~USD\$20K - \$40K

Annual accessories:

~USD\$1K - \$2K

5 year revenue opportunity

~USD\$0.45m per instrument



Profits and costs shared



Instrument development



CLEVER CULTURE SYSTEMS

Legal manufacturer of APAS® Independence



Sell, service,

support

*Distributor Margin

Regional Distributors(s)

*20% - 40% margin

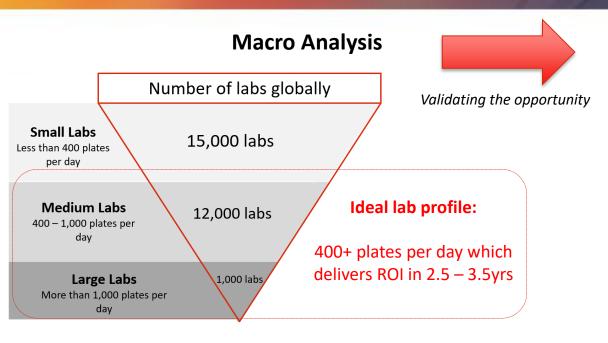
Supply at set

transfer price

\$\$



Market Research: Sharpened focus on opportunity



Supporting Sales



Over 100 labs, finalised Jul-18: Australia, UK, Germany, USA

Feedback that influences customer interest and sales:

- ✓ Media Used brand and product codes. High acceptance to change media
- ✓ Full plates, bi-plates, multiple specimens per plate
- ✓ Specimen type processed
- ✓ Incubation time
- ✓ Lab size (feedback received from labs > 400 plates per day)



LBT advantage: AI in medical technology

Delivered capability – First Launch





APAS® Independence with Urine module

Clinical Trials

✓ 10,000 patient global clinical trial conducted in US and AU, reviewed and clearance by FDA

Regulatory

- ✓ FDA: Class II medical device
- ✓ FDA: de novo (first ever) clearance of AI technology for clinical microbiology

Patent Protection

 4 patent portfolios to protect the IP of imaging and algorithm

Ongoing Development + Strategy:

- Utilise platform technology
- Extend into new medical applications
- Leveraging developed core capability

Analysis Module for APAS®: More modules extend instrument utility and opens new markets.

Additional APAS® analysis (software) modules:

- MRSA being developed ~ 10 to 15% of all pathology tests
- Infection control, sputum, faeces

New market opportunities:

Water, dairy

LBT has delivered clinically proven AI capability in highly regulated environment



Competitor Landscape – Culture plate workflow

APAS® Independence Difference:

- First & only FDA-Cleared: automated reading & interpretation
- Modular in design
- Affordable: USD\$300K
- Large market segment



APAS® Independence

Inoculation and Culture
Plate Streaking

Incubate

Automated Plate Reading

Identification & antibiotic sensitivity testing

Competition snapshot: Existing automation targeting different market segments: Large, connected, complex, expensive, low global penetration.



Large labs only: ~150 installs over ~11 years

Plate Reading:
Still requires

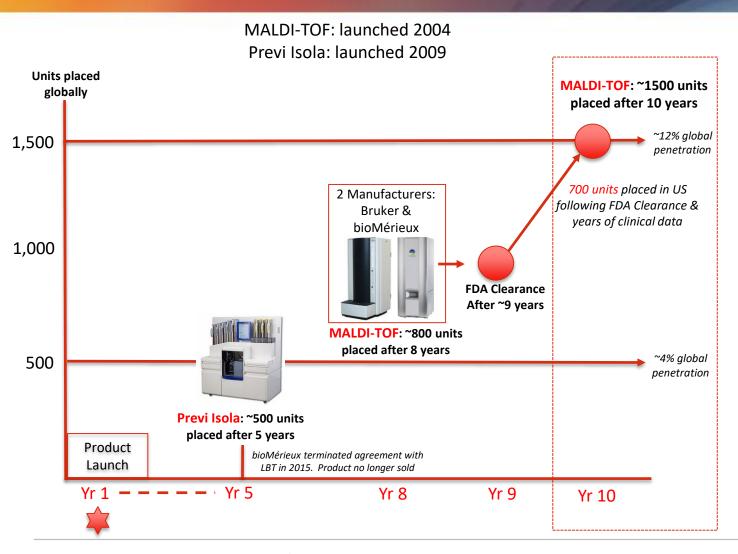
manual assessment

Large capital cost: USD\$2.5m+



http://www.bd.com/europe/labautomation/

Similar product uptake in sector



Case Study APAS® Independence:

1,500 units after 10 years

1. Cumulative Instrument sales: ~AUD\$600M

50% flows to LBT (after distributor fees & JV costs)

2. Licence fees, building to: ~AUD\$60M per annum



majority flows to LBT (after distributor fees)

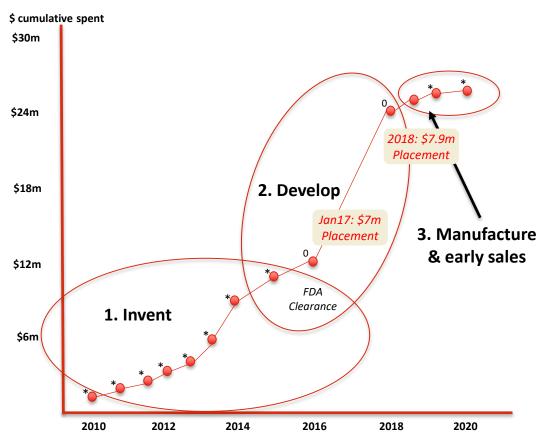


LBT research

- * Clinical Laboratory Products Magazine February 4, 2015
- * http://www.ecmm.eu/files/Prof._Alex_van_Belkum_MALDI_India.pdf

APAS® Development Evolution and Capital Management

- Invention to Launch 8 years ~\$24m
- Commercialisation capital recently secured > \$10m to reach breakeven in 2 years
- Current research validates the market need and that our technology remains unique



Capital Management Funding the early sales process

- Cover costs as sales build:
 - Ongoing Module Development
 - 50% of JV operating costs
- Corporate costs

Funding secured early 2018

- \$7.9M placement & SPP
- \$4M SA Gov't loan facility drawdowns available to Dec 19
- LBT fully funded to early 2020 (estimated break even point)
- New institutional investors

* Incremental cumulative spend for quidance only 0 Reported







Brent Barnes

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