



**Aurora Labs<sup>®</sup>**

# **Investor Presentation**

**February 2023**

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# What makes us unique

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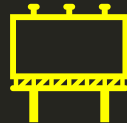
An Australian AM technology company focused on delivering productivity improvements to industry.



## Technology

Development of unique IP to improve the metal 3D printing process, including our patented Multi-layer Concurrent Printing (MCP™)

Technologies are implemented in Aurora's own 3D printers and can also be commercialised with industry partners to improve print speeds and deliver benchmark productivity.



## Machines

We currently have 2 metal 3D printers that have been designed and built in-house and are being used to provide services to local industry.

The first commercial production printer is expected to be offered to the market in Q2/Q3 CY 2023.



## Services

Aurora Labs offer a suite of advanced manufacturing services to the APAC region, with plans to increase capacity by CY 2024.

Our services include metal 3D printing, plastic 3D printing, 3D scanning, design for 3D printing post-processing and qualification.

# 2022 Activities

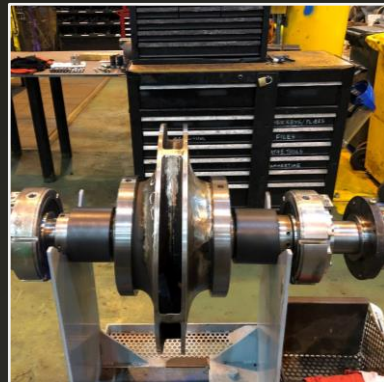
## Enabling activities to transition from TechDev to revenue generation

Demonstration Print Campaign to meet material quality of draft aerospace standards at 1500W laser power



International Engagement via tradeshows, partnership discussions and new vendor registrations

Print Services Launch with developing pipeline and revenue increasing



Leadership Team strengthened to accelerate commercialisation.

# Our valued clients

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Aurora Labs' print services are being used by a growing number of local and international organisations.



# Aurora Labs Technology

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Market-leading metal printing using high-powered lasers that deliver:

**3 x**

the industry average  
laser power

**50%**

more powerful than  
the nearest competitor.

**< US \$1/cc**

Clients' target  
production cost

**“TBGA sees A3D’s technology contributing to a highly productive,  
affordable solution for the multi-laser market.”**

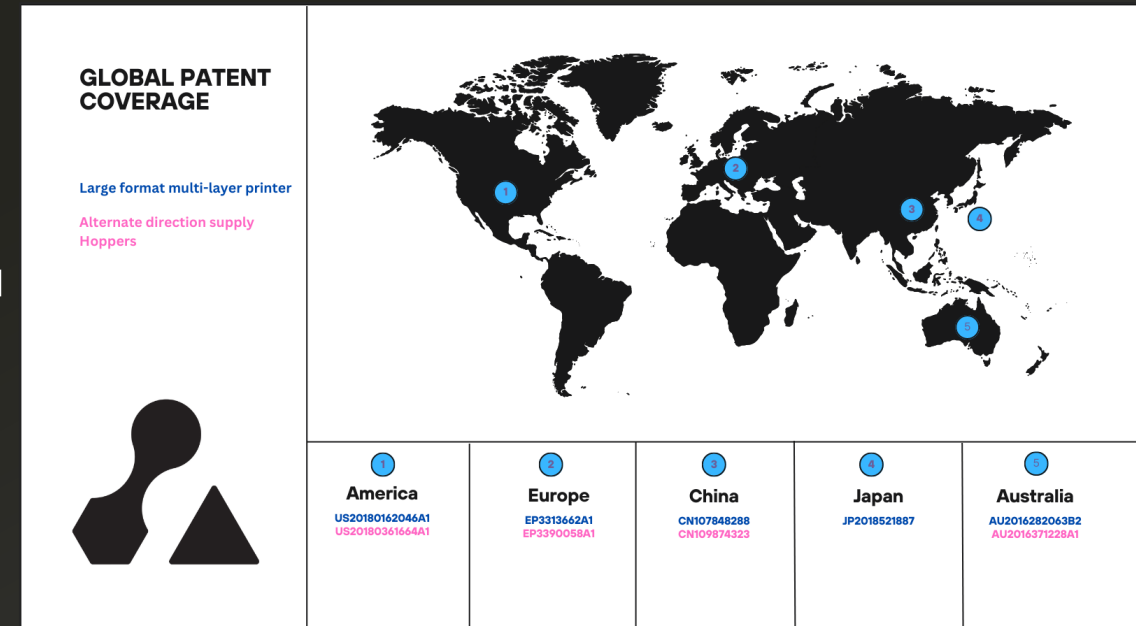


THE BARNES GLOBAL  
ADVISORS

# Aurora Labs Breakthrough Technology

## Patented Multi-layer Concurrent Printing (MCP™)

- MCP™ Patents cover key international AM markets
- Simulations indicate the technology is most conducive to very large format industrial print applications.
- Initial validations performed using mechanical tests to ASTM standards to validate mechanical properties of samples printed using MCP™
- Requires further engineering design work to progress technology to a commercial offering.



# Our Growth Drivers

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Aurora is well placed to capitalise as companies leverage 3D Printing to improve their resilience and flexibility.



Industry 4.0



Re-shoring of Manufacturing

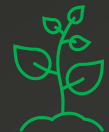


Energy Transition

Increased Supply Chain Risks



ESG efforts



Transport Electrification





# Commercialisation

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A focus on deriving revenue from Aurora's high productivity printing expertise.



## Technology & Machines

- AL250 printer to be offered to the market in Q2/Q3 CY 2023
- New application Development
- MCP development driven by renewed interest from potential partners for mass production

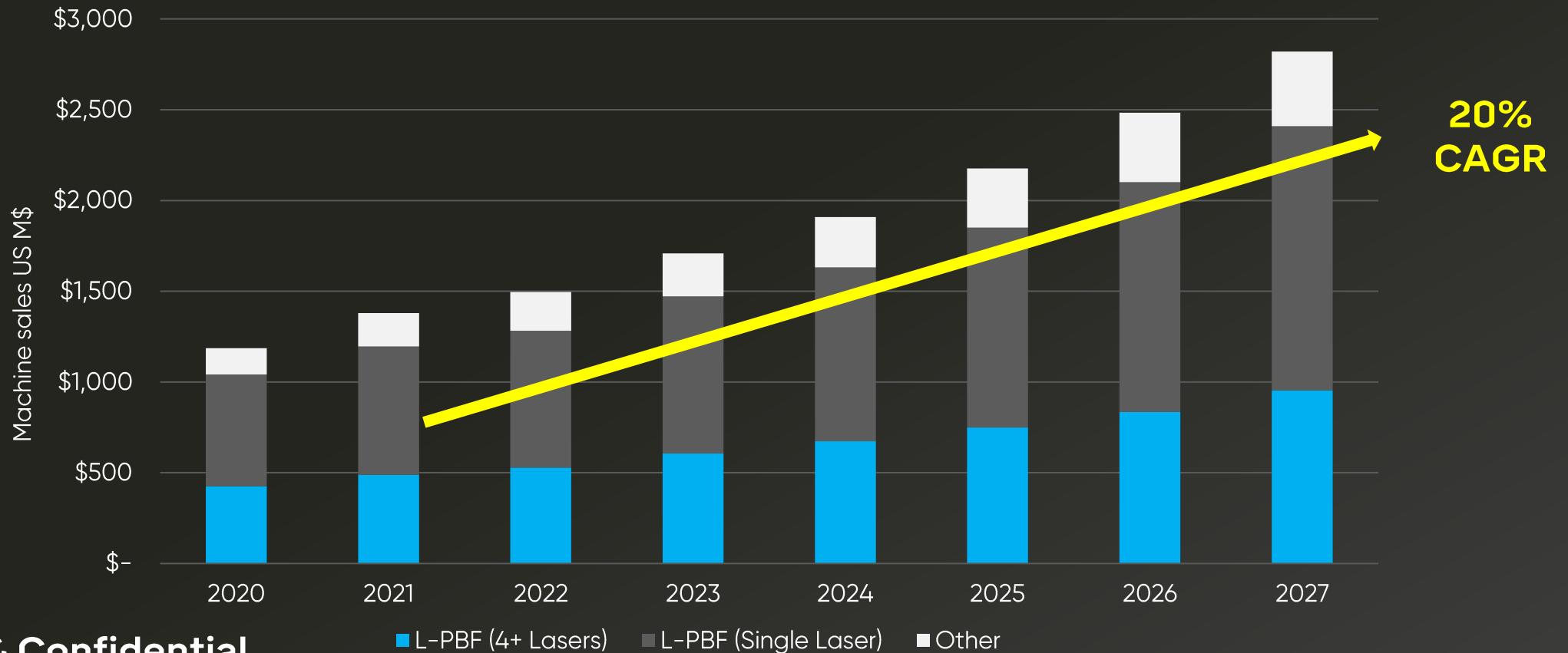


## Industrial AM Services

- One-stop-shop manufacturing provider with ~ 2x multiplier effect vs print only revenue.
- Focus on multi-year SLA's and Tier 1 clients
- ISO 9001 Qualification & industry certification
- Growth of print services revenue, current printers can grow revenues to ~\$1MM pa

# Printer Sales Opportunity

L-PBF Market by Machine type (\$M USD)



**Private & Confidential**

Source: TBGA Integrated Demand Model

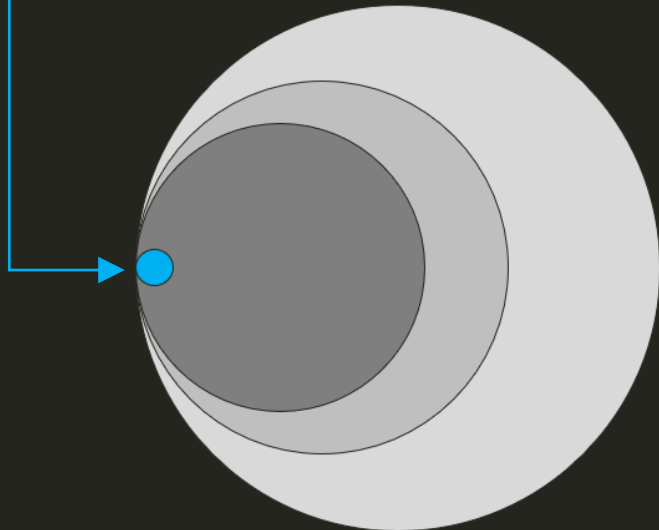
# Print Services Target Market

**\$19.0B** Australian Maintenance, Repair & Operations (MRO) industry<sup>1</sup>

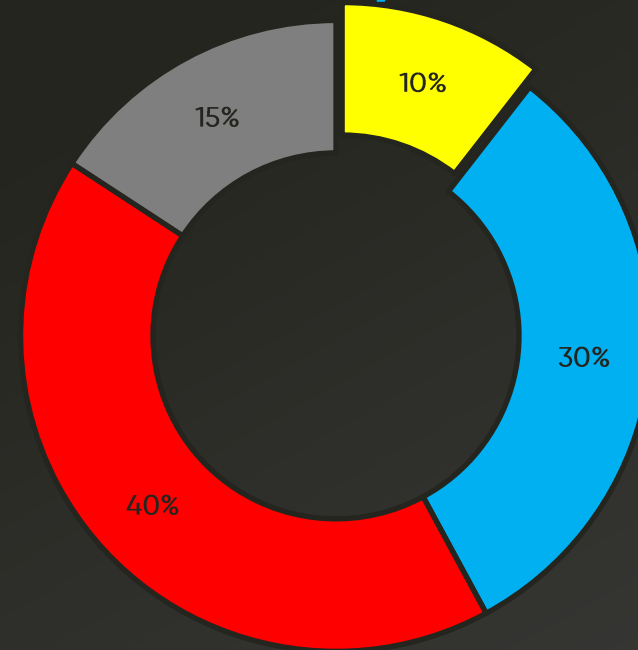
**\$9.5B** Estimated WA share of MRO market

**\$5.7B** WA Product MRO market<sup>4</sup> (ex services)

**\$114.0M** WA Product MRO market for AM (2%)



## 3D Printability of Parts<sup>5</sup>



■ Printable without changes
 ■ Printable with changes  
■ Off-the-shelf
 ■ Not printable

5. [Castor Additive Manufacturing Trends Report 2021](#)

1. <https://www.beroeinc.com/category-intelligence/maintenance-repair-and-overhaul-australia-market/>
2. <https://www.industry.gov.au/data-and-publications/global-resources-strategy-commodity-report-liquefied-natural-gas/the-australian-lng-industry>
3. [https://www.minerals.org.au/sites/default/files/Australian%20Mining\\_Snapshot\\_JAN%202020\\_FINAL.pdf](https://www.minerals.org.au/sites/default/files/Australian%20Mining_Snapshot_JAN%202020_FINAL.pdf)
4. <https://www.themanufacturer.com/articles/the-true-cost-of-mro>

# Local Market Opportunities

**Aurora Labs is growing the volume and breadth of printer and service opportunities as local adoption increases.**

“Long, complex supply chains can be streamlined through 3D printing. Waiting times can be slashed, and accessibility in remote areas can be mitigated when local additive manufacturing businesses are integrated as regular suppliers.

**Aurora Labs 3D can deliver increased flexibility, providing much needed supply chain diversification.”**

WA President – ASCI  
Flavio Macau



1. <https://www.wsj.com/articles/energy-companies-turn-to-3-d-printing-to-bypass-snarled-supply-chains-11636657907?>

Chevron asked a local firm called AdditiveNow to demonstrate whether the same parts could be made using 3-D printing technology....

“We’ve learned a lot from those parts. The most important thing is that we’ve shown that **this flexible, right part, right time digital supply-chain approach can be successful, and it can meet our needs** in a sort of reactive mode.”<sup>1</sup>

Rob Rettew  
Materials R&D,  
Technology Development PM  
Chevron Technical Centre



# Why invest in A3D?

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**Aurora Labs is positioned to rapidly grow, with multiple and diverse opportunities.**

Aurora Labs is the **only Australian L-PBF printer developer**, uniquely placed with the capability to provide both machine and printing services.

With our first commercial machine being offered in 2023, **multiple revenue streams** can be generated across **machines, print services** and significant growing **international interest in MCP™**.

Aurora's **recently secured contracts** with major players, its growing opportunity pipeline, **and strong industry growth** demonstrate our offering is **the right solution at the right time**.

Our **experienced** Board and Executive with an **outstanding technical team** are well placed to capture the significant opportunities ahead.

# Corporate Snapshot

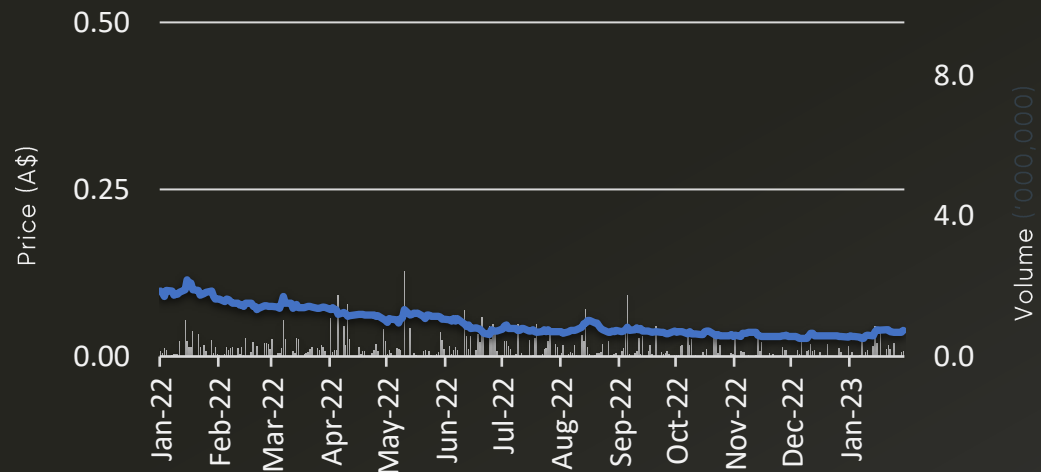
## MARKET CAPITALISATION<sup>1</sup>

|                                  |           |               |
|----------------------------------|-----------|---------------|
| Total Ordinary Shares on issue   | no.       | 184.2 million |
| Share price (1 Feb 23)           | A\$/share | 0.039         |
| Market Capitalisation (1 Feb 23) | A\$m      | 6.46          |
| Cash (as at 31 Dec22)            | A\$m      | 0.888         |

## TOP SHAREHOLDERS (1 Feb 2023)

| Name                | Shares Held | % of Shares on Issue |
|---------------------|-------------|----------------------|
| Barthen Beheer BV   | 15,588,235  | 8.46%                |
| Top 20 Shareholders | 56,397,895  | 30.62%               |

## SHARE PRICE / VOLUME HISTORY (A\$; MILLIONS)



# Experienced Board

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Grant Mooney  
Chairman, Non-Executive Director

Grant has extensive experience in corporate and project management since commencing Mooney & Partners in 1999.

His experience extends to advice on capital raisings, mergers and acquisitions and corporate governance.

Currently, Grant serves as a Director to several ASX listed companies across a variety of industries including technology and resources.



Terry Stinson  
Non-Executive Director

Terry Stinson has over 35 years of international experience in engineering and technology commercialisation and management across the automotive, aerospace, defence, maritime, industrial products, mining and manufacturing sectors.

Previous roles include, CEO and MD Orbital Corporation, VP and GM Siemens VDO, former CEO and Board Member Synerject LLC and VP Manufacturing for Outboard Marine, Director Advanced Product and Process Development for Mercury Marine division on Brunswick. Currently, Terry serves as a Director to several ASX listed companies across a variety of industries including technology and resources.



Ashley Zimpel  
Non-Executive Director

Ashley Zimpel is a Perth based investment banker with broad financial markets and corporate experience.

Ashley has a strong record of capital raising in both equity, debt and structured financial products for start-ups, SMEs, ASX listed public companies and government agencies both in Australia and internationally.

Ashley is currently the CEO of Medtech Cortical Dynamics Ltd.



Mel Ashton  
Non-Executive Director

Mel Ashton has over 40 years' experience as a Chartered Accountant and leverages his strategic approach and business network in his role as a specialist in Corporate Finance and as a Professional Company Director.

Mel is also Chairman of the Board of Venture Minerals Ltd and a Director of Labyrinth Resources Ltd

# Skilled Management Team

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Peter Snowsill  
Chief Executive Officer

Peter Snowsill is a Chemical Engineer with over 25 years technology-based executive, engineering and project management experience across Australia, Asia Pacific and the Americas.

Peter joined Aurora as Chief Operating Officer in 2019 and became Chief Executive Officer in 2020.



Matthew Lester  
Commercialisation & Corporate  
Development Manager

Matthew Lester is an experienced BD and commercial professional, who has 20 years experience working in the resource and energy industries.

Matthew commenced working with Aurora in 2019 leading the Industry Partner Program, where he developed the network of worldwide partners Aurora is engaged with.



Dr. Ehsan Foroozmehr  
Technology Manager

Ehsan Foroozmehr was hired in 2022 and leads the engineering team and R&D projects.

He has a long background in Additive Manufacturing, including PhD and post-doctoral AM research and design along with the development of commercial Laser Powder Bed Fusion printers.



Rebekah Letheby  
Operations Manager

Rebekah Letheby is an experienced industrial operations manager with over 10 years of industrial experience in mining exploration and manufacturing.

Rebekah joined Aurora in 2016 and is the lead for all powder bed fusion printing jobs.



Tamara Gray  
Chief Financial Officer

Tamara Gray is a Chartered Accountant with over 25 years of experience with listed and non-listed companies.

Currently, Tamara serves as a CFO to several ASX listed companies across technology and resources industries.



# Contact Us

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