

ASX:3DA

AGM Presentation

November 2020

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Company Snapshot

Amaero International Limited (ASX:3DA) ("Amaero", the "Company") is an Australian Company specialising in metal additive manufacturing (3D printing) for the defence, aerospace, and automotive sectors.

Amaero was established in 2013 through the Monash University Centre for Additive Manufacturing, the the world's leading institute for metals additive manufacturing for the aviation and defense sectors.

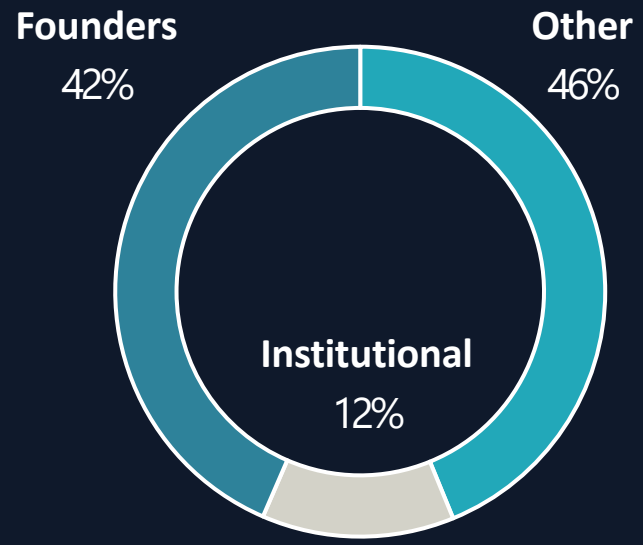
The Company has grown to become a leading provider of 3D printing services, machines & metal powders to some of the world's largest manufacturers in these sectors.

Amaero is currently Australia's largest metal 3D printing company (by volume of machines), with facilities in Melbourne, Adelaide & Los Angeles.

AS9100D CERTIFIED ISO 9001

ASX Code	3DA
Shares on issue	175m
Share price (9th Nov 2020)	$0.69
Market Capitalisation	$120.97m

Shareholder Breakdown



AMAERO ADDITIVE MANUFACTURING

Corporate Structure

Amaero operates through two subsidiaries: Amaero Engineering and AM Aero Inc

Board of Directors



David Hanna
Chairman



Stuart Douglas
Executive Director



Kathryn Presser
Non-Executive Director



Barrie Finnin
Chief Executive Officer

Amaero International Ltd

Board of Directors

Management Team

Shared Group Services

- Financial Controller
- Exec. Director Strategy & Growth
- Legal

Advisory Board

Former VP Boeing
Advisory Board Aviation / Aerospace

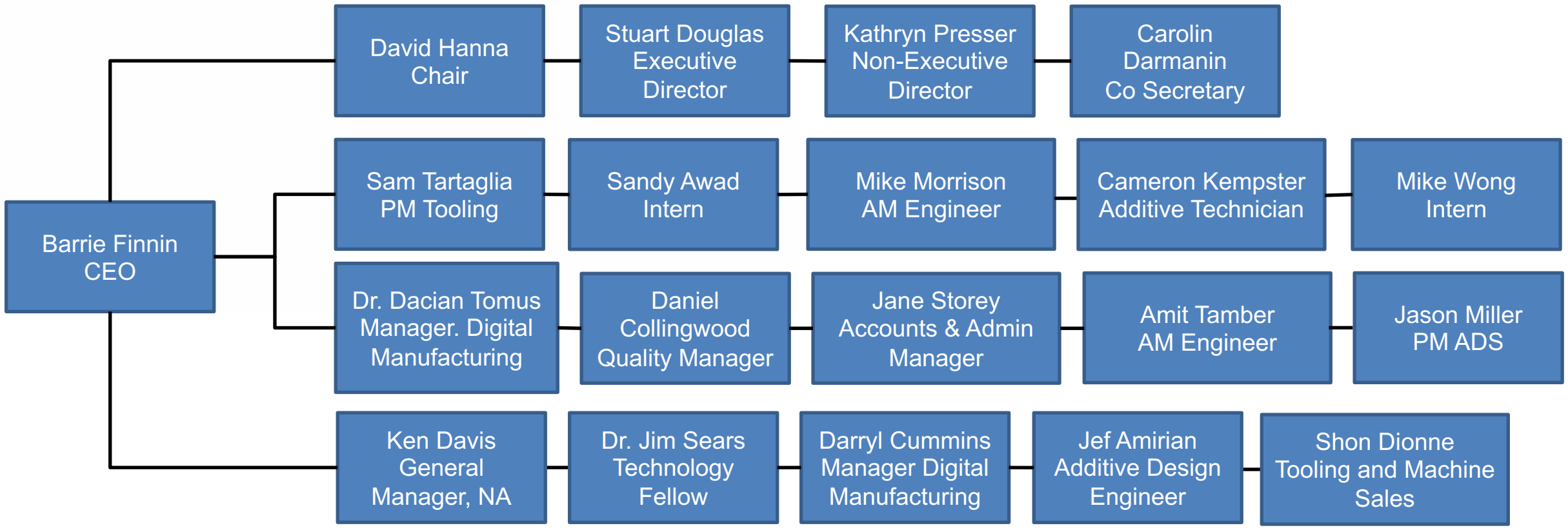
Former Secretary of Defense USA
Advisory Board Defence

David Wolf
Advisory Board Global Defence Offsets

AM Aero, Inc

Amaero Engineering Pty Ltd

Appendix AMAERO International – Who We Are



With the expansion into Adelaide and Los Angeles in 2019, Amaero's headcount has more than doubled in the past 2 years to currently 20 people with further growth to come.

AMAERO
ADDITIVE MANUFACTURING

Business Model

Designed to generate transactional and recurring revenue

1 Design and Prototyping
Cost-plus basis

- Initial design and prototyping
- Qualification and design freeze
- Cost-plus basis

Contract Manufacturing
Price per unit

- Manufacturing components to customer specifications

Tooling
Price per unit

- Tools for plastic moulding / metal die casting / extrusion

2 Equipment sales & powders
Cost plus mark up

- Sale of proprietary 3D Printers (best in class)
- Sale of proprietary 3D printing metal powders

Training, service and maintenance
Fee for service

- Post-sales support and maintenance

3 Commericalising metal alloys
Price per unit

- Rights to commercialise patented proprietary alloys developed by Monash University
- Intends to offer metals powders as consumables to 3D Printer customers

Amaero Today

Australia's Largest

- Australia's largest Metal 3D printing company (by volume of 3D printers)
- World's largest R&D team provided by research partner Monash University
- Several industry world firsts including the first jet engine, rocket engine, flying parts
- World's most capital efficient Selective Laser Melting (SLM) 3D printers
- World's safest metal 3D printing machines
- Soon to have the largest range of various sized 3D metal printers globally (Feb 2021)
- 6 of the top 10 Defence companies in the world are Amaero clients
- Amaero facilities in Melbourne, Adelaide and Los Angeles.



Amaero Equipment



Amaero SP800
World's largest
Laser Powder
bed machine



Safe powder handling equipment



SP100



SP260



SP400



SP500



SP800

AMAERO
ADDITIVE MANUFACTURING

Separating People and Powder

Printing and Metal Powder Handling Solutions Under Inert Atmosphere







Powder Preparation

- Powder Dryer
- Powder Decanter
- Powder Sieve
- Powder Vacuum
- Powder Silo

SLM Printing Machines

- 3D Metal Printing
- Open Parameter Control
- Multiple Build Sizes and Laser Configurations
- Cartridge Configuration For Rapid Changeover and Safety

Powder Handling & Recovery

- Powder Removal Glove Boxes
- Safe, Inert Powder Handling

COMMERCIAL-IN-CONFIDENCE

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Key Financials

Amaero had $4.014 million in cash and cash equivalents as at 30 June 2020.
Amaero has incurred expenditure largely in line with the Use of Proceeds set out on page 7 and 88 of its Prospectus, as detailed below.

Use of Funds under Prospectus	Funds allocated under Prospectus	Funds expended between admission and 30 June 2020
Equipment Purchases	$5,220,000	$2,939,548[1]
Research and Development	$1,040,000	$727,455[2]
Working Capital	$3,530,000	$1,778,180[3]
IPO Costs	$660,000	$706,351[4]
Total	$10,450,000	$6,151,534

1. Equipment Purchases include the purchase and installation of an EOS M400, an AmPro SP500 and an AmPro SP100 in the USA facility, acquired in the December 2019 and March 2020 quarters.
2. R&D expenditure includes a combination of internal expenditure and the provision of external providers and materials.
3. Working Capital has been in line with expected use of funds.
4. An increase in IPO costs were as a result of higher than expected legal costs for the IPO.

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Investment Highlights

- **Tooling Agreement with Fletcher Insulation,** Australia's leading insulation company, for the development of an additive manufacturing application, to provide a superior tooling solution to Fletcher and their global manufacturing network.
- **Development Agreement with top 10 global automotive manufacturer for metal 3D printing of tooling** with Amaero forming a deep relationship, with the opportunity for further contracts.
- **Commencement of qualification statement of work for the world's largest aerospace manufacturer** to support the manufacture of satellite parts, with Amaero establishing a new factory 2 Kilometres from this customer at their request. Contract expected to expand rapidly in 2021, with Amaero currently seeking larger facilities.
- **Joint Venture Research Agreement (JV) to develop a super strength aluminium alloy**, with PPK Group Limited subsidiary, PPK Aust Pty Ltd, and Deakin University.
- **International Patent Application in final stage** for Amaero's high performance titanium alloy, which is 30% stronger & 5-7 times the fatigue life of Ti-6Al-4V (the premium Titanium for aerospace & defense).
- **Second International Patent Application in final stage** for Amaero's high performance High Operating Temperature (HOT) Aluminium alloy, with twice the operating temperature of the leading aerospace alloy.
- **Successful completion, approval and certification of Amaero's AS9100 certification** audits for the Company's Melbourne, Los Angeles & Adelaide facilities, which enables Amaero to manufacture parts for commercial aviation globally.
- **Final assembly and commissioning of the SP500 and SP100 3D printing machines** in Amaero's new US Showroom facility.
- **New Project No.1 (Not Contracted)** – Proposed Australian Titanium Powder Manufacturing Facility to support US defence prime contractors.
- **New Project No.2 (Not Contracted)** – Proposed Middle East 3D Printing Centre $108m.

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Industry Comparison

	AMAERO ADDITIVE MANUFACTURING	Desktop Metal
Stock exchange code	**ASX:3DA**	**NYSE:DM**
Listing date	December 2019	August 2020
Current market capitalisation	A$120.97m	US$2.5b (Approx. A$3.43b)
IPO capital raised	A$8m	US$300m (Approx. A$411m)
Expected to be cashflow positive	2023	2023
Capital raised to date	$14m	US$575m (Approx. A$788m)
Ability to service aerospace sector	Yes	No
Ability to service majority of defence sector	Yes	No
Ability to service high impact tooling sector	Yes	No

Appendix - Board and Senior Management



David Hanna

Chairman

- Director of Business Strategy for Monash University since 2012, where he leads a small team that provides strategic support and financial advice in relation to the University's major investment decisions.
- 15 years in a variety of senior management positions in the Victorian Government, focused mainly around economic development policy, international policy and operations and innovation policy.
- Formerly worked for Commonwealth Government, including three years on the personal staff of then Prime Minister, Bob Hawke.



Stuart Douglas

Executive Director

- Executive Director since May 2019, providing strategic and operational advice to management and preparing the Company for capital raisings and scaling its operations in preparation for its anticipated IPO.
- Stuart has successfully taken 3 startups through to ASX listing in the past 3 years. He implemented a similar strategy for Titomic Limited (ASX:TTT), which was the No. 1 new listed entity of 2017/18 on ASX and one broker deal of the year. He is co-founder of Innovyz, one of Australia's leading commercialisation firms which has assisted more than 70 early stage innovations to commercialise.



Kathryn Presser

Non-Executive Director

- Kathryn has previously served as CFO and Company Secretary for Beach Energy Limited (formerly Beach Petroleum Limited) (ASX:BPT), assisting the company from a junior explorer through numerous capital raisings as the CFO and then scaling for growth to become an ASX100 company.
- She holds extensive experience in governance, risk and financial reporting and management and she also serves as Chair of the Audit & Risk Committee to oversee the financial elements of the business as well as providing direction to the Company Secretary.



Barrie Finnin

Chief Executive Officer

- Barrie is an experienced executive who has created a number of spin-off ventures, co-operative research centres and start-ups and has worked in many different roles including CEO, Director and General Management.
- Senior management level for the CSIRO for more than 12 years and has been involved in the manufacturing industry for over 25 years.

Appendix - Amaero USA – Senior Management



Ken Davis, General Manager Sales & Operations

- Ken brings to Amaero a deep knowledge of additive manufacturing and strong relationships with key customers
- Previously Director of Additive Manufacturing and site leader of CalRAM, the world's only NADCAP approved AM site.
- Ken's knowledge of qualification processes for AM and Aluminium powder metallurgy will enable rapid qualification acceptance by BDS



Darryl Cummins, Manager – Digital Manufacturing

- Over 20 years' experience in 3D printing systems and additive manufacturing, working with various materials from plastics to metals.
- Has worked with a range of companies including Intel, Facebook, Stratasys and recently SpaceX machine supplier Additive Industries.
- At Amaero, Darryl is responsible for Component manufacturing and Machine field service



Shon Dionne, Sales Engineer, AM Machines & Tooling

- Over 20 years' experience in the auto component manufacturing sector working for manufacturers of automotive components including MVP Plastics, Blue Water Automotive Systems, Blackhawk Automotive Plastics, Progressive Moulded Products, A. Raymond and Huron Plastics.
- During his career, He has engaged many OEMs and tier 1's in the auto sector including Takata, Magna, Ford, Chrysler, GM, Lear and Tesla.
- His expertise includes business development, design of injection moulding manufacturing processes, project management and tooling design for injection moulding



Dr. James Sears, Technology Fellow, Quality Systems & Additive Manufacturing

- Jim has had leadership and engineering roles in GE Research, Carpenter Technology Corporation and Lockheed Martin.
- He has over 30 years experience in Titanium Atomization and AM fabrication
- At Amaero, Jim is responsible for the quality systems, powder production development and metal 3D printing processes

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