ASX Release
5 June 2020

ASX CODE: AL3

CAPITAL STRUCTURE

Share Price	$0.16
Shares on Issue	132m
Market Capitalisation	$21m

MAJOR SHAREHOLDERS

Andrew Sales	30.0%
Perennial Value Mgmt	9.2%
Global Asset Solutions	5.3%

BOARD & MANAGEMENT

Stephen Gerlach AM
Non-Executive Chairman

Andrew Sales
Managing Director

Sean Ebert
Executive Director

Kevin Reid
Non-Executive Director

Len Piro
Non-Executive Director

Christine Manuel
Company Secretary

CONTACT

T: +61 8 8258 2658

E: investor@aml3d.com

W: www.aml3d.com

A: 12-14 Pentland Road
Salisbury South
SA 5016

P: PO BOX 4101
Tranmere
SA 5073

ABN: 55 602 857 983

AML3D INVESTOR PRESENTATION

AML3D Limited (ASX: AL3) ("AML3D" or "the Company") is pleased to provide an updated investor presentation.

Christine Manuel
Company Secretary

This announcement has been authorised for release by the Board of AML3D.

For further information, please contact:

Andrew Sales
Managing Director
AML3D Limited
T: +61 8 8258 2658
E: investor@aml3d.com

Duncan Gordon
Executive Director
Adelaide Equity Partners
T: +61 404 006 444
E: dgordon@adelaideequity.com.au

Simon Hinsley
Director
NWR Communications
T: +61(0) 401 809 653
E: simon@nwrcommunications.com.au

About AML3D Limited

AML3D Limited is an Australian public company incorporated on 14 November 2014 and currently operates out of its Adelaide Manufacturing Centre. The Company specialises in providing commercial large-scale "Additive Metal Layering" 3D printing services to Defence, Maritime, Automotive and Resources customers. The Company has commercialised its technology under the trademark WAM® and proprietary software WAMSoft® which combines metallurgical science and engineering design to fully automate the 3D printing process utilising advanced robotics technology.

AML3D

ASX : AL3

INVESTOR PRESENTATION & CORPORATE UPDATE

JUNE 2020

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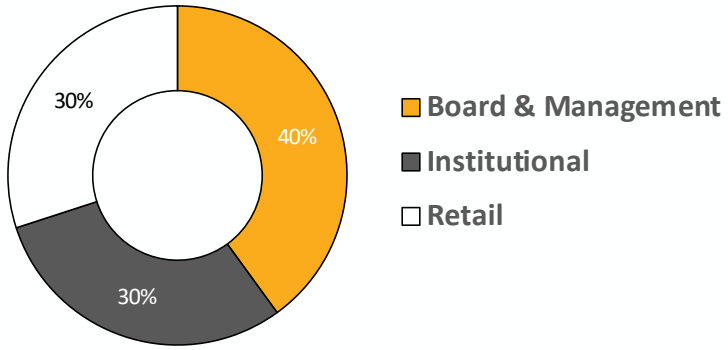
CORPORATE SNAPSHOT

CORPORATE SNAPSHOT – 02.06.2020	
ASX Code	ASX:AL3
Share Price	$0.17
Shares on Issue	132.4m
Options on Issue	17.1m
Market Capitalisation	A$22.5m
Cash	c.A$9.0m
Enterprise Value	c.A$13.5m

REGISTER BREAKDOWN



BOARD OF DIRECTORS

Stephen Gerlach AM Non-Executive Chairman	Stephen is an experienced corporate professional. He was formerly the Chairman of Santos Ltd, Elders Ltd, Equatorial Mining Ltd, Challenger Listed Investments, AMDEL Ltd and Penrice Ltd
Andrew Sales Managing Director	Andrew Sales is a Chartered Engineer with a Masters of Engineering and Masters of Science and is a renowned expert in welding technology with over 27 years of global experience in varying senior leadership roles. Andrew is a Standards Australia committee member for Additive Manufacturing / 3D printing
Sean Ebert Executive Director	Sean has 25 years of executive experience. He was previously the CEO of Beston Pacific Asset Management, Camms Pty Ltd, Profit Impact Pty Ltd and Global Director, M&A at Worley Parsons
Kevin Reid Non-Executive Director	Kevin is a Chartered Accountant with 24 years' experience as a partner with PwC and BDO. Kevin is currently a Non-Executive Director for a range of businesses and not for-profit entities
Leonard Piro Non-Executive Director	Len is the former Deputy Chief Exec. of the SA - Department of Trade and Economic Development, Exec. Director of Manufacturing and Chief Exec. of the Automotive Industry Transformation Taskforce. Len has had exposure to manufacturing trends and strategies in Europe and the US
Christine Manuel Company Secretary	Christine is an experienced Company Secretary and corporate governance professional. Christine was formerly Company Sec. of Santos Group companies and People's Choice Credit Union and is currently Company Sec. of ASX listed Angel Seafood Holdings Ltd

INVESTMENT HIGHLIGHTS

Commercialisation Commenced
Contracts executed across various sectors and a growing late stage opportunity pipeline. Customers include multiple global conglomerates

Globally Certified
First wire feedstock additive manufacturing facility globally to receive qualification from Lloyds Register. In 2018, AML3D became ISO 9001 certified. Accreditation provides direct exposure to commercial opportunities

Strategic Manufacturing Facilities
Facility established in Adelaide houses 'state of the art' robotic production cells. Second facility to be established in Singapore to fulfil growing demand from Asia

Highly Experienced Board and Management
AML3D employs industry specialists that have demonstrated their ability to execute contracts with multi-national companies

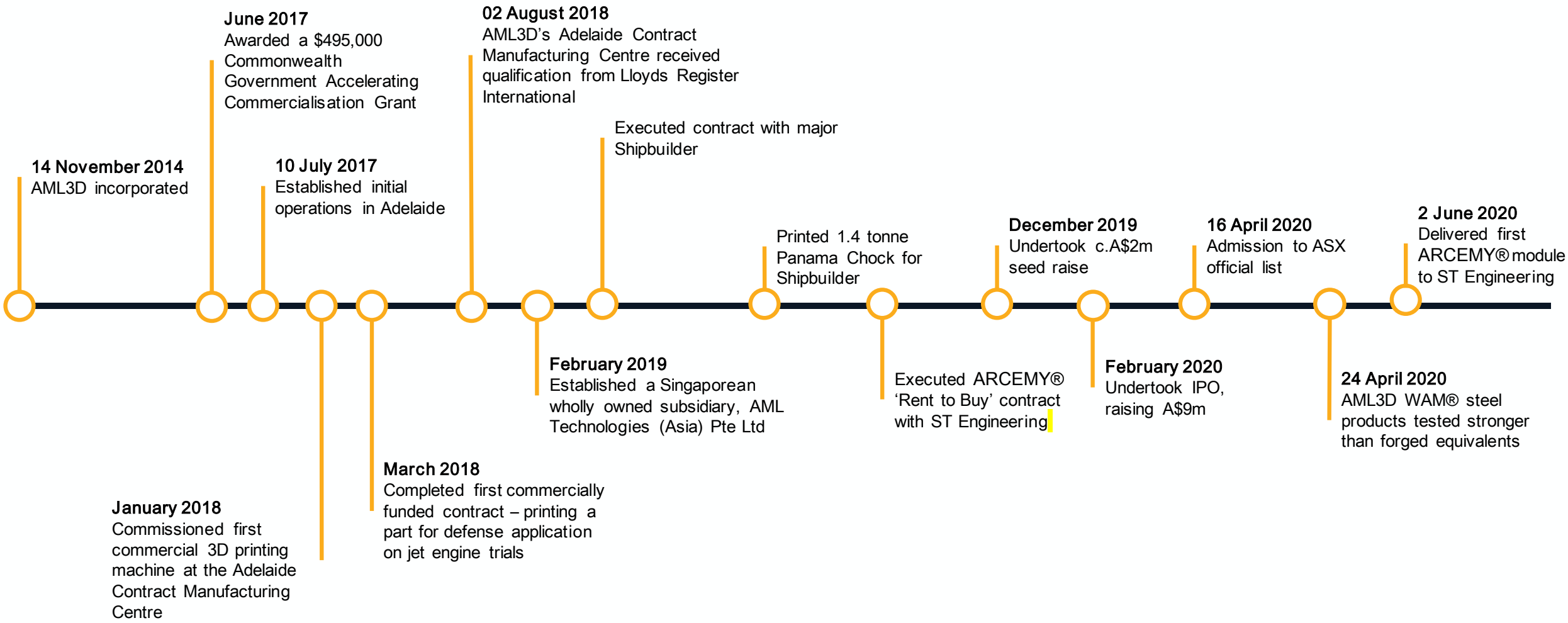
Capitalised for Growth
Strong cash position combined with a lean operating structure positions AML3D well to service strong domestic and international customer interest

Highly Disruptive Technology
WAM® disrupts 'subtractive' metal technologies including casting, forging and machining. Provides up to 70% cost savings, 75% increase in manufacturing speed and 80% reduction in waste

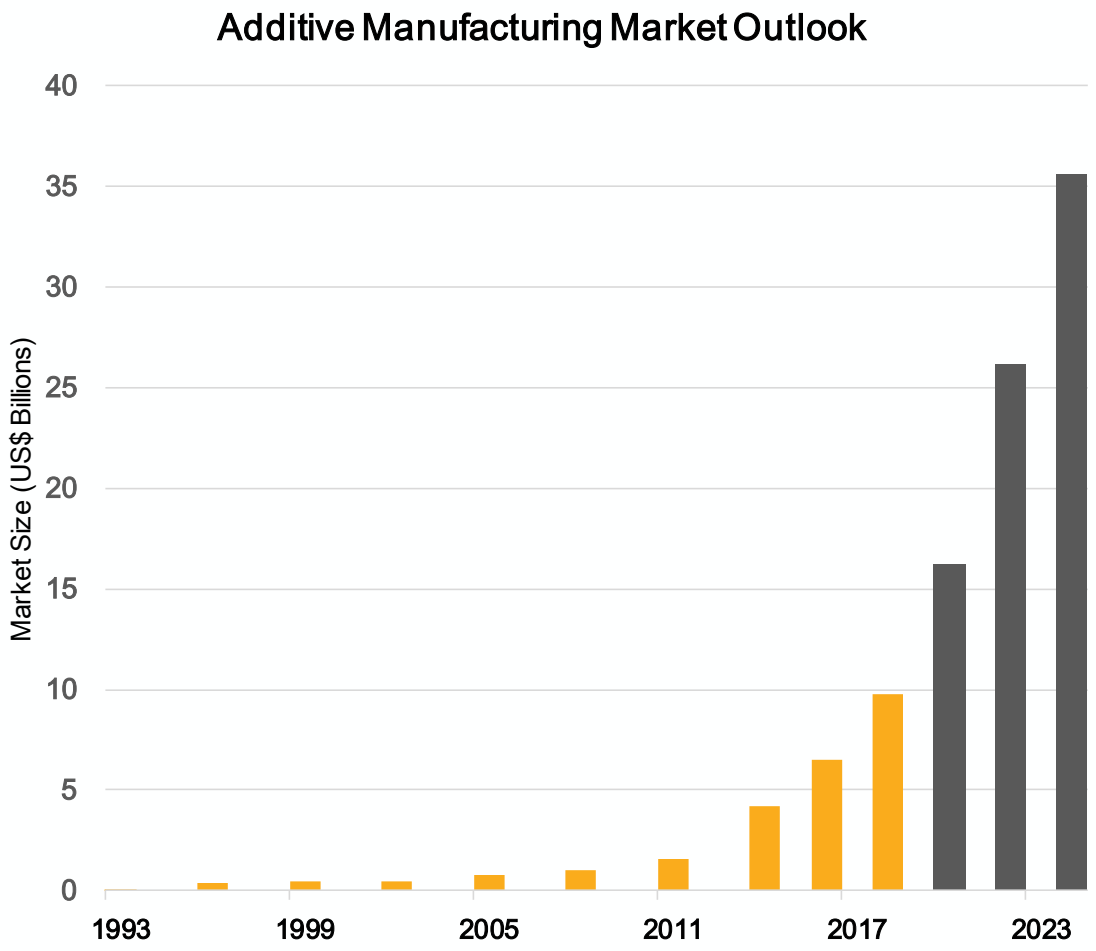
Developed proprietary software, WAMSoft®
The software enables a highly tailored approach to the needs of each client by enabling different pathways and welding operations for different products and materials

Enormous Market Opportunity
Additive Manufacturing Industry is currently valued over US$10bn and is expected to grow to US$35.6bn by 2024

CORPORATE TIMELINE



MARKET OUTLOOK



The highly disruptive additive manufacturing market is estimated to grow at a CAGR of 17.7% during the forecast period 2019 – 2027

- Additive manufacturing market grew to US$1 billion over the first 20 years then doubled over the next 5 years
- Current market size is estimated to be >US$10 billion
- Significant growth to continue as major industry participants adopt newly innovated technologies
- Market estimated to reach US$35.6 billion by 2024
- COVID-19 further highlights the need for high-quality, cost effective advanced manufacturing solutions that are not reliant on long lead supply chains from overseas

Figures and forecasts from Terry Walters et al, Wolhers Report 2019 (Wohlers Associates, 24th ed, 2019)

WHAT IS WAM®?

WIRE ADDITIVE MANUFACTURING (WAM®)

- Brings together welding science, metallurgy, CAD software design and robotics technology
- Builds objects via welding sequential layers of metal
- Disrupts ‘subtractive’ metal technologies such as casting, forging and machining, providing cost-effective production of large, high performance metal components and structures or complex items

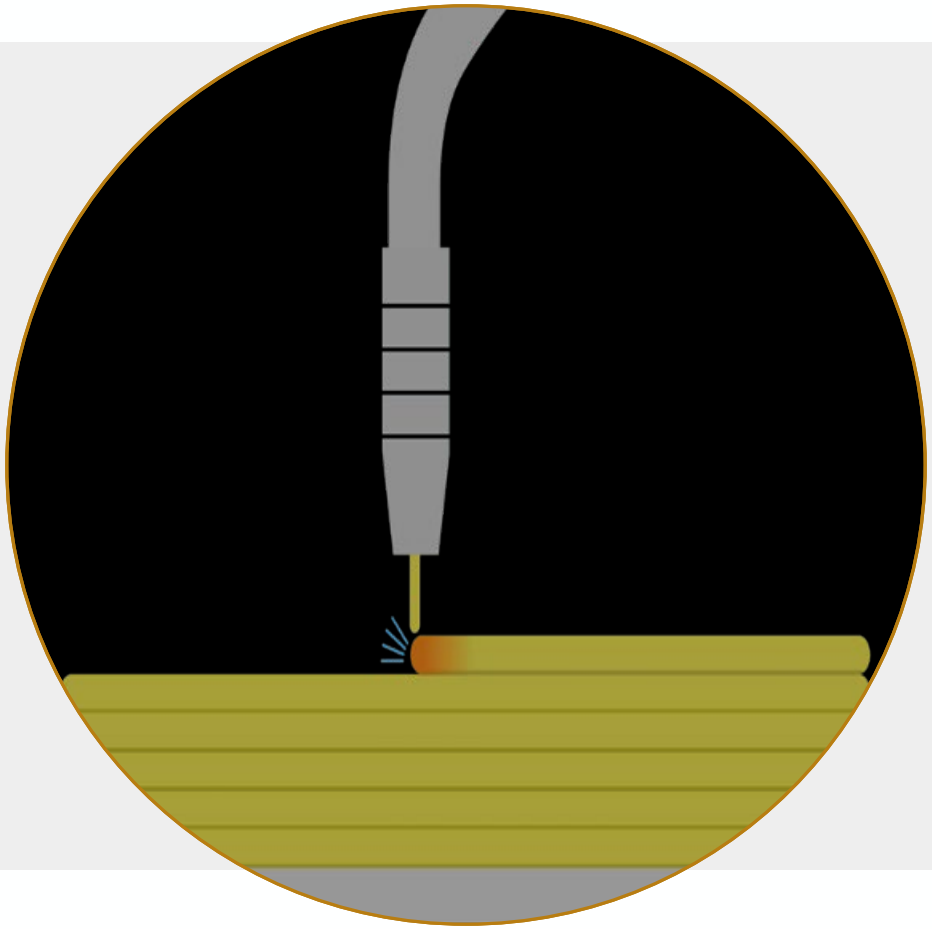
The integration of metallurgy, WAM ® and proprietary software WAMSoft® with welding robotics enables AML3D to overcome traditional manufacturing constraints and leverage on additive manufacturing efficiencies

WAM® ADVANTAGES

CERTIFIED ▪ STRONGER ▪ FASTER ▪ RESOURCE EFFICIENT ▪ SUSTAINABLE

WAM® VS. TYPICAL SUBTRACTIVE TECH:

- Globally certified by Lloyd's Register
- Stronger than cast or forged parts
- Faster customisation without tooling investments
- Resource – efficient with part consolidation to save weight, time and logistics costs
- Sustainable generating 80% less material waste



WAM® VS. POWDER ADDITIVE TECH:

- Certified AM process
- Stronger / less porosity
- Faster builds
- Resource-efficient
- Sustainable, less material waste

WAM® VS. TRADITIONAL FABRICATION

TRADITIONAL METAL FABRICATION PROCESS
Large production, warehouse and logistics footprint

Raw materials melted in a furnace → Roll into rod, tube, sheet or ingot → Cut, sawed and sheared → Hammered and bent → Assembled, welded, glued and/or riveted

CONSIDERABLE INEFFICIENCIES AND COSTS	SUBSTANTIAL ORDER LEAD TIME INVOLVED	CONSIDERABLE ENERGY RESOURCES	WASTED MATERIAL	LABOUR AND TIME INTENSIVE TO CONSTRUCT

VS.

WAM® PROCESS
Part consolidation = smaller warehouse and logistics footprint.

Low cost, highly efficient with few process steps → Local feedstock – not dependent on overseas supply → Energy efficient → 80% less material waste with near net shape → Certified and patented process

CERTIFICATIONS

LLOYD'S REGISTER

- Maritime classification society established in 1760
- Consists of engineers and technical experts dedicated to assurance
- One of the world's leading providers of professional services for engineering and technology
- An industry body introducing new technologies directly to commercial partners

- In 2018, AML3D became the first wire arc manufacturing facility globally to receive an "Additive Manufacturing Facility Qualification" from Lloyds Register
- Certification by Lloyd's Register not only provides validation to AML3D's technology but also provides direct exposure to commercial opportunities

CERTIFIED SYSTEM

- In 2018, AML3D became ISO 9001 compliant

- ISO accreditation validates AML3D's technology in the highest order for this sector and allows it to engage commercially within the Aerospace industry

AMERICAN WELDING SOCIETY

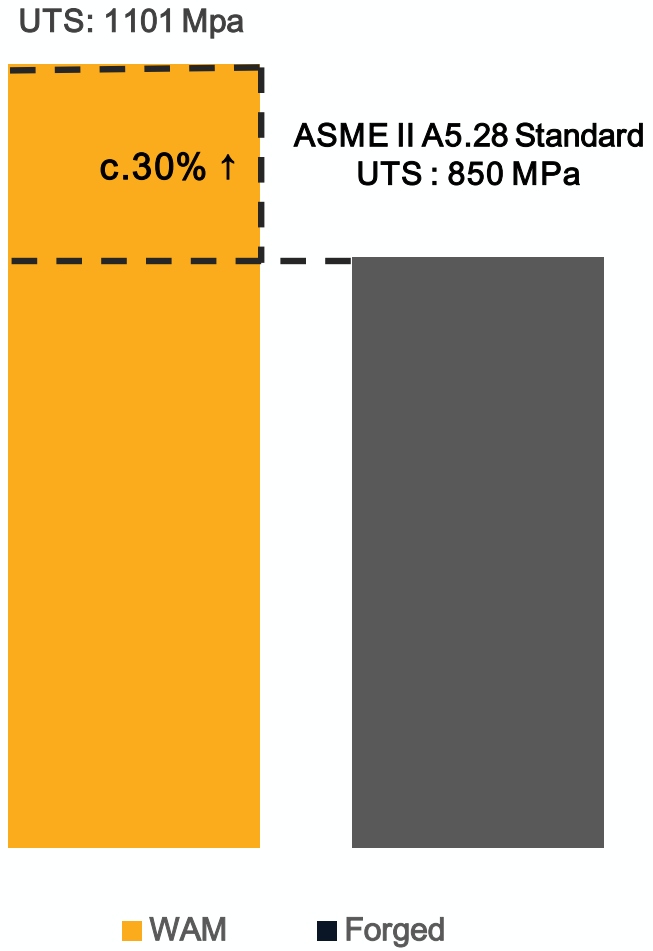
- AML3D complies with the globally accepted American Welding Society Standard that articulates specifications for fabrication of metal components using additive manufacturing

- In compliance with this standard, AML3D issues certificates of compliance to its customers in relation to manufactured parts

WAM® TESTING RESULTS

'WAM®' COMPONENTS STRONGER THAN FORGED EQUIVALENTS

- Independent testing found WAM® printed high strength steel presents:
  - c.30% higher ultimate tensile strength (UTS) than the applicable global standard; and
  - c. 10% higher UTS than the same steel components made using conventional forging techniques
- Testing was driven by inbound interest with results provided to existing and new potential customers
- Demonstrates 'ready for market' nature of AML3D's technology
- Results highlight AML3D's ability to disrupt conventional manufacturing within the global and domestic defence, resources and automotive sectors



For more information, see ASX release "WAM PRINTED STEEL PRODUCT TESTING" published on 24 April 2020.

ARCEMY® METAL 3D PRINTERS

AML3D provides certified, portable systems integrated with WAM®, welding robotics and patented software, WAMSoft®, to print complex metal products more efficiently. Available for sale or lease in small, standard and large sizes with single or multi robots to suit customer productivity needs

CUSTOMER JOURNEY

Repeat sales with contract manufacturing at AML3D contract manufacturing centres

1. Contract manufacturing $ stream : direct to customer on AML3D approved vendor list

Agreed scope + Purchase order

CAD design optimised for WAM

Prototype manufacture + Internal testing

Customer evaluation + testing

Product certification

4. Consumables $ revenue : AML3D certified wire and ancillaries direct to customer and via distributors

2. Arcemy® printers $ stream : direct to customer on AML3D approved vendor list

3. Licensing, service, maintenance $ stream : direct to customer and via global distributors

Purchase ARCEMY® printer, AML3D provides training + support, sells consumables and software upgrades to scale production

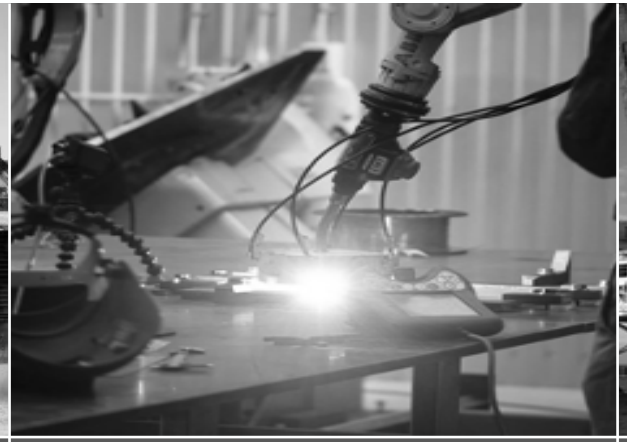
TARGET MARKETS

MARINE

- Housings
- Propellers
- Shafts
- Bulkhead structures
- Galley and bearing components
- Valve part
- Short-term replacement items
- Pump castings

AERO & DEFENCE

- Seat frames
- Cabin frames
- Shields
- Connectors
- Brackets
- Cargo frame structures
- Bulkheads and support frames



GENERAL MANUFACTURING

- Machine tool dies
- Rail rolling stock
- Wheels and wear components
- Pump castings and impellors
- Shafts and valves
- Food machinery components
- Agricultural equipment parts

MINING, OIL & GAS

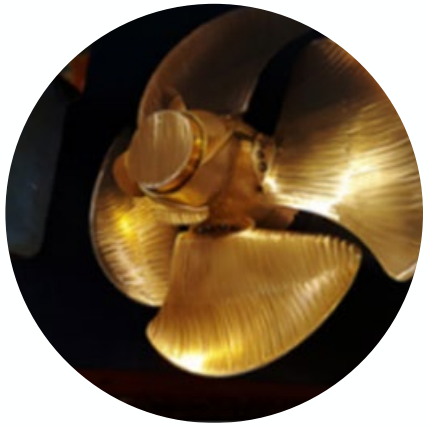
- Mining hardware
- Valves and connectors
- In-situ repairs
- Replacement cast and forged components for underground / drilling equipment

WAM® INDUSTRY APPLICATIONS

Lighter & stronger marine components

Oil & Gas Industry

Corrosion resistance



High strength and wear resistance

High temp & aggressive environments

Defence

Reduced buy-to-fly ratio

Near net shape versus billet

BUSINESS MODEL

CONTRACT MANUFACTURING	LICENSING, SERVICE & MAINTENANCE OPTIMISATION	ARCEMY® SALES	CONSUMABLES SUPPLY
▪ Fee for Service manufacturing for customers ▪ Significant markets - Targeting Singapore (Asia) first ▪ Design optimisation service for WAM® Additive Manufacturing ▪ Customised production of specialist parts saving time and money	▪ Ongoing annual service fee, including training, software updates and staffing ▪ Optimisation services to continually improve the quality of the welding technology	▪ Mobile 3D Printing Modules available for sale ▪ High demand from Marine, Mining and Oil & Gas industries to have capability in-house ▪ Services remote locations generating significant cost and time savings	▪ Key agreements with major global producers for wire feed stock ▪ Consumable wire feed stock provides ancillary revenue stream
MODEL TO MARKET	**MODEL TO MARKET**	**MODEL TO MARKET**	**MODEL TO MARKET**
Direct to customer via AML3D on Approved Vendor list	Module sales via appointed global distributors, 2 appointed to date	Long term support contracts post sale of ARCEMY® units	Direct to customer and indirect through distributors

✓ **AML3D HAS A COMPLEMENTARY, MULTIPLE REVENUE STREAM BUSINESS MODEL**

Where customers look to establish in-house 3D print capability, the ARCEMY® solution provides the technical solution together with structured service and support. For customers requiring a cost effective contract manufacturing service with short lead times, the bureau model provides an efficient service with a centre in Australia and another to be established in Singapore.

CASE STUDY 1: DEFENCE INDUSTRY

ADVANCED DEFENCE COMPONENTS

- Ongoing discussions with prominent manufacturers in the defence industry
- Performance testing on custom WAM® printed components taking place following excellent testing results with high strength steel
- WAM® possesses the ability to rapidly produce variable components, a function not possible by traditional subtractive techniques (forging, casting)
- WAM® produced components have the potential to provide enhanced strength and reduced weight, resulting in the highest degree of performance

ABOUT THE CUSTOMER

- Potential customers are developers and manufacturers of defence solutions with facilites in Australia and overseas
- Commercialisation may result in significant contract manufacturing revenues for AML3D

CASE STUDY 2: INDUSTRIAL PUMPS

MARTENSITIC STAINLESS-STEEL PUMP WEAR RINGS

- US Industrial Pump Manufacturer required a faster and more sustainable method of manufacturing critical components to their equipment:
  - Martensitic stainless steel has a 6-month lead time for billet orders and is difficult to machine due to its strength
  - AML3D printed the large pump wear rings in 6 hours using WAM®
  - c.80% material waste was saved versus traditional subtractive manufacturing methods

MARTENSITIC STAINLESS STEEL (400 SERIES)

- Comprises c.30% of US$111.4bn global stainless-steel market
- Commonly used in oil & gas, power, chemical, marine and automotive industries
- Presents significant future commercialisation opportunity for AML3D

ABOUT THE CUSTOMER

- Operating in 56 countries, this US Industrial Pump Manufacturer produces industrial pumps, seals, valves and operating systems. FY19 revenue of c.US$4.0bn

CASE STUDY 3: TRANSPORT/LOGISTICS

RAIL PISTON DELIVERED TO SPARE PARTS SUPPLY CHAIN

- Global spare parts group selected AML3D to manufacture rail components that are not longer being produced due to:
  - original manufacturers no longer in business; and/or
  - rail components are obsolete and no longer produced
- Rail companies have difficulty sourcing spare parts due to a assets long-life cycle, sometimes waiting up to two years
- WAM® printed piston is one continuous complex part, eliminating weak spots and providing superior strength

ABOUT THE CUSTOMER

- Customer is a global supplier of 3D printed spare parts across various industries
- AML3D identified as a potential partner to satisfy manufacturing requirements of spare parts for various applications and industries
- New route to market for AML3D that presents an exciting opportunity

CASE STUDY 4: CRITICAL WEAR COMPONENTS

CRITICAL COMPONENTS DELIVERED TO MULTINATIONAL CONGLOMERATE

- Multinational conglomerate has engaged AML3D to produce custom critical components
- Components produced as capability prototype pieces for operational assessment
- Testing to commence post delivery (mid-June)
- Program may be expanded to include a wide scope of custom components upon successful results

ABOUT THE CUSTOMER

- EU based multinational with FY19 revenues of >€42bn
- One of the worlds largest steel producers
- Hosts numerous subsidiaries focused on industrial engineering across sectors currently targeted by AML3D

FIRST ARCEMY® MODULE DELIVERED

AML3D INITIATES SINGAPOREAN OPERATIONS

- First ARCEMY® module delivered to ST Engineering under a “rent to buy” agreement
- AML3D retains the right to use 50% of the ARCEMY® module’s capacity through the ‘rent’ period
- Access to the module is of great benefit to AML3D, providing the capability to manufacture components for customers throughout Asia before the establishment of its planned Singapore facility.

ST ENGINEERING – A SUBSTANTIAL PARTNER

- ST Engineering is one of Asia’s leading defence and engineering groups, providing AML3D with a strong foundation to establish and grow operations within the region

ARCEMY® MODULE SALES PIPELINE

AML3D IS BUILDING ITS ARCEMY® MODULE SALES PIPELINE

CUSTOMER	STATUS
ST Engineering	▪ First module delivered under 'rent to buy' agreement ▪ Expected to buy module in Dec 2020 ▪ Potential for additional module sales
Defence Group 1	▪ Entered discussions early 2020 ▪ Global group - Automotive ▪ Quote issued for 1 module
Defence Group 2	▪ Entered discussions in May 2020 ▪ Customer based in EU/Middle East ▪ Quote issued for 1 module
University	▪ Entered discussions in May 2020 ▪ Quote issued for 1 module

KEY GROWTH OBJECTIVES

PHASE 1 2018/2019	PHASE 2 2020	PHASE 3 2021
COMPLETED	-	-

- Manufacturing facilities offering services to global and domestic market
- ISO9001 & Lloyd's Register certification – Secured
- Completed design of ARCEMY® modular 3D printing solution
- Secured order with Singapore customer and prototype contracts with Tier 1 aerospace firm

- Expand Australian 3D printing Bureau
- Establish sales of ARCEMY® units via appointed distributors
- Secure long term service and support contracts for ARCEMY® units
- Convert prototype projects with Marine, Defence, Oil and Gas and other industries into regular orders
- Further increase capacity via additional 3D printing equipment

- Commission office in Singapore to supply key Marine markets
- Scale ARCEMY® 3D Printer sales via distribution arrangements
- Identify integrated strategic partner to scale up the bureau business
- Further extend AML3D's bureau via franchise or JV arrangements in Asia
- Maximise margin growth from long term service and support agreements

FACILITIES

AUSTRALIAN FACILITY (ADELAIDE)

AML3D is relocating to a newly leased facility to accommodate planned growth and consolidate manufacturing operations:

- Commenced relocation to Edinburgh in June 2020
- Approximately 100m^2 of office space
- Approximately 1,250m^2 Warehouse & Manufacturing
- Benefits of Adelaide operations:
  - central location to service Australian customers
  - commercial property in Adelaide is affordable
  - skilled and affordable labour

SINGAPORE FACILITY (TO BE ESTABLISHED)

AML3D to establish a Singapore contract manufacturing centre in order to provide a rapid response to growing customers base located within the Asia-Pacific region.

- Once a lease is finalised the Company anticipates the facility will be commissioned within six months.
- In the event COVID-19 delays the leasing process the Company will seek to meet capacity demands for contract manufacturing in Singapore by utilising:
  - the ST Engineering ARCEMY® unit as a demonstration model
  - capacity at the expanded Adelaide Contract Manufacturing Centre

INVESTMENT SUMMARY

AML3D is the first wire arc manufacturing facility globally to receive an “Additive Manufacturing Facility Qualification” from Lloyds Register

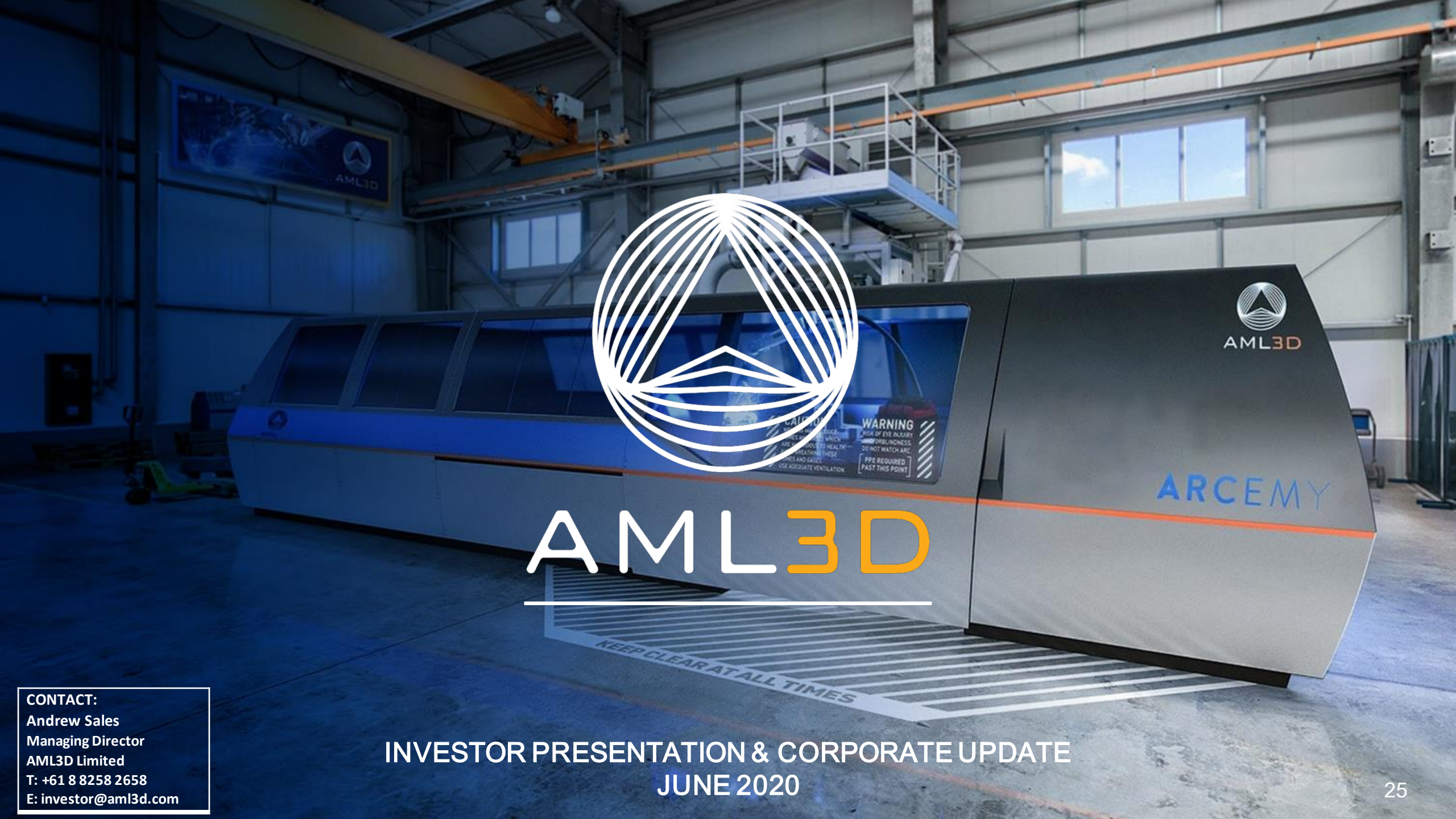
Focused on servicing Tier 1 Marine, Defence, Aerospace and general manufacturing industries

Proceeds of IPO (A$9M) to deliver sustainable revenue growth and underlying earnings

Focus on leveraging opportunities out of manufacturing facilities and product sales model

STRATEGIC GOALS

- Establish underlying earnings model from sales and licensing
- Accelerate sales of ARCEMY™ small scale prototyping units to customers
- Capitalise on Tier 1 Singapore/Asian Customers
- Improve margins through being closer to end customer



AML3D

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CONTACT:
Andrew Sales
Managing Director
AML3D Limited
T: +61 8 8258 2658
E: investor@aml3d.com