

ASX CODE: AL3

CAPITAL STRUCTURE

Share Price (04.05.21)	\$0.24
Shares on Issue	150m
Market Capitalisation	\$36m

MAJOR SHAREHOLDERS

Andrew Sales	26.5%
Perennial Value Mgmt	11.7%

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

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AML3D TECHNOLOGY UPDATE

HIGHLIGHTS

- **Developing next generation 3D printers that are up to 5x faster than existing printers**
- **'Hybrid' printing technology reducing post printing machining and finishing work**
- **Securing of global IP and patent protection well progressed**
- **Collaboration with CSIRO to develop a material strength prediction tool which will likely be completed in 2022**

AML3D Limited (ASX: AL3) ("**AML3D**" or "**the Company**"), a leader in large scale 'Additive Metal Layering' 3D printing, is pleased to provide an update around progress in developing its next generation 'Arcemy' printing units.

'Next Generation' Arcemy® Units and Software Improvements

AML3D's 'Next Generation' Arcemy printers have been in development since early 2020 with conceptual hardware design having been completed recently. The AML3D Arcemy® unit provides a mobile WAM® 3D printing service for customer applications in remote locations and for in-house WAM® capability.

As part of its initiatives in continuing to improve the Company's product range, AML3D has been developing high productivity printers for increased part production rates. This high productivity printing will allow up to five times the current deposition or up to 30 kilograms per hour for larger scale components.

Over and above increasing deposition rates, there has been a focus on hybrid printing and finishing technology that optimises part completion efficiencies and reducing post-production machining and finishing. The Company anticipates design completion of the new generation hybrid Arcemy® printer by Q1 FY22 with product trials to take place thereafter.

Efforts around ease of deployment and use have been realised in the development and implementation of Industrial Internet of Things (IIOT), Programmable Logic Controllers (PLC) and remote automation technology. This has been successfully rolled out for AML3D's in-house production Arcemy printers.

In addition, an updated version of WAMSoft® is scheduled for release during Q1 FY22 to current and new customers which captures all previous features, allows for seamless additional upgrades and future developments.

Testing Results and IP Protection

New software enhancements in recent months have led to AML3D working with CSIRO on designing and implementing a new material strength prediction tool for the Company's proprietary software, WAMSoft®. AML3D's continued work with CSIRO now enters the final phase of validation development and expects to roll out this predictive feature as an option on Arcem® units in 2022 (with increased licensing fees).

Additionally, the Company's manufacturing energy efficiencies have continued to demonstrate an extremely low emission footprint and is an order of magnitude less than traditional energy consumptions used for billet-making, casting and forging.

AML3D has made significant inroads to secure the Company's IP and patent protection for the WAM® process which is now well progressed. The Company anticipates a positive decision in Q4 FY21 in regard to patent acceptance.

AML3D Managing Director Mr. Andrew Sales commented: *"We have made significant progress enhancing our technology and protecting our IP. We will continue to focus on being a world leader and staying at the forefront of innovation in additive manufacturing technology."*

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

For further information, please contact:

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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.