



ASX Announcement

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Aurora Labs Launches Print Demonstration Campaign to Aerospace Standards

Highlights:

- A3D to undertake campaign of 1000 hours of operation in less than 3 months
- The campaign will demonstrate the ability of A3D's development machine, architecture, and subsystems to meet the requirements for draft international aerospace printing specifications AMS7039 and AMS7032
- A successful campaign will be a world first at 1500W laser power
- The work will generate operational data that is expected to increase the Company's value proposition and expedite partnership agreements

Aurora Labs Limited ("A3D" or "the Company") (ASX:A3D), is pleased to announce its upcoming Print Campaign to demonstrate system reliability, quality, and repeatability, as part of the Company's active commercialisation strategy. The campaign is supported by The Barnes Global Advisors (TBGA) and aims to demonstrate A3D's technology as capable of repeatedly producing printed material that meets draft SAE International aerospace standards AMS7039 and AMS7032.

Upon successful completion, this will enable A3D to be one of the first additive equipment companies compliant to print metal parts to these aerospace 3D printing standards, once approved. Globally, A3D will be the first to achieve this status at 1500W laser power.

Campaign Outline

The 4-phase project comprises a series of builds that will be performed on Aurora's Beta prototype printer in 316L stainless steel. The parts produced will undergo various radiographic, metallurgical, mechanical and chemical testing that are essential quality indicators, including density, tensile, and fatigue properties. Results must be shown to be repeatable and consistent across the 4 phases for the campaign to be deemed successful. Separate to the testing requirements, Aurora aims to complete the campaign within 3 months.



The draft standards are being developed by aerospace AM experts under the SAE International Aerospace Materials Specifications, Additive Manufacturing – Metals (AMSAM-M) committee. The standards are expected to exceed many of the criteria contained in other industry standards relevant to A3D's target industrial markets, and will therefore be a useful tool for Aurora to market its printer technology to industrial clients and prospective partners.

A3D's Print Campaign is endorsed by additive manufacturing experts, The Barnes Global Advisors (TBGA). TBGA have provided rigorous analysis and consultation to A3D during the launch of the Company's commercialisation phase. Their team of experts have recommended this project as a key differentiator in the industry to attract and secure Tier 1 partners.

Approximate demonstration print figures

500+ Test Specimens

100+ Test Artifacts

50 Parts

350 Melted Material (kg)

24 Builds

Campaign In Numbers

TBGA Principal Advisor, Kevin Slattery, said;

"I am especially excited with Aurora Lab's efforts to demonstrate both the reliability and capability of their high-power system. I am also interested in generating data that will show the applicability of the two specifications I have been working on with the AMSAM-M team, at a much higher level of power and productivity than those available to many users."

The campaign is due to commence before the end of February 2022 and the results will be published once compiled.

A3D CEO, Peter Snowsill, said;

"We look forward to completing the demonstration campaign and sharing the results with prospective clients, partners and the wider AM community. A positive result will validate our capability for a wide range of industry applications that Aurora is pursuing, not just limited to aerospace."

Demonstrating A3D's technology methodically with careful data collection is an important part of our commercialisation strategy, adding to a bank of information that can be shared with prospective partners. The results will also assist in securing contract printing clients as we promote print services to local industry. We are confident of achieving success and look forward to presenting the outcomes."

Ends

Approved for release by the Company's Board of Directors.

For further information, please contact: Grant Mooney, Company Secretary
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ABOUT AURORA LABS

Aurora Labs Limited ("the Company"), an industrial technology and innovation company that specialises in the development of 3D metal printers, powders, digital parts and their associated intellectual property.

Aurora Labs is listed on the Australian Securities Exchange (ASX: A3D)

FORWARD LOOKING STATEMENTS

This announcement contains forward-looking statements which incorporate an element of uncertainty or risk, such as 'intends', 'may', 'could', 'believes', 'estimates', 'targets' or 'expects'. These statements are based on an evaluation of current economic and operating conditions, as well as assumptions regarding future events.

These events are, as at the date of this announcement, expected to take place, but there cannot be any guarantee that such events will occur as anticipated or at all given that many of the events are outside Aurora's control.

Accordingly, Aurora and the directors cannot and do not give any assurance that the results, performance or achievements expressed or implied by the forward-looking statements contained in this announcement will actually occur. For further information, please contact: enquiries@auroralabs3D.com