



ASX Announcement

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A3D Signs Memorandum of Understanding with Turbine MachineGenes

Highlights:

- Turbine MachineGenes to work with Aurora Labs to apply its novel evolutionary AI machine learning to report quantitatively on the emerging field of 3D printing of quality, mission critical, turbine parts.
- As a first mover, A3D continues to fast track 3D printed turbine building in the Australian market.

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Aurora Labs Limited (“A3D” or “the Company”) (ASX: A3D), is pleased to announce a signed Memorandum of Understanding (MoU) between Turbine MachineGenes and Aurora Labs.

Turbine MachineGenes is a private Australian Artificial Intelligence (AI) company, applying globally novel forms of evolutionary machine learning- inspired by evolving ecosystems, not neural networks- to industrial problems. In particular, it has successfully developed technology to generate and interpret fully-explainable physics-based digital twins of complex machines such as engines, from very small fragments of noise-polluted sensor data. It does this by evolving the engine digital twins in a virtual environment as if they were living organisms. A digital twin is a virtual model of the physical engine. It spans the engines lifecycle and uses real time data sent from sensors to simulate behaviour and monitor.

Commenting on activities, CEO Rebekah Letheby, said:” We are extremely pleased to have signed an MoU with Turbine MachineGenes. The machine learning available from Turbine MachineGenes which can be applied to our 3D printed micro gas turbines will play an important part in gaining the confidence of the end user that 3D printed engines can work at the highest level of reliability and performance, backed by dependable science based reporting. The unique way that this particular machine learning ecosystem works will super-charge our capabilities to bring a improved product to market with new designs and improvements for micro gas turbine efficiency.”

Turbine MachineGenes Chief Executive Officer, Nigel Greenwood commented “Turbine MachineGenes is pleased to have engaged in an MoU with Aurora Labs. This represents an exciting new synergy between novel forms of AI and the emerging field of 3D printing of high-quality mission-critical turbine engine parts. This collaboration will enable AI



to interpret and report quantitative understanding of the way 3D printed parts influence the dynamics of aviation engines, ascertained from tiny datasets during engine tests. As well as confirming the printed engine parts are performing within spec, it will enable Aurora Labs to explore novel materials and geometries for engine parts, for enhanced thrust, efficiency and reliability. This is expected to open up new markets within aviation technology, plus analogous markets in maritime propulsion and power generation."

The MoU sets out the areas of collaboration for both Aurora Labs and Turbine MachineGenes to exchange information regarding AI technologies, the application of AI to sensor data for the use of building a digital twin to assess 3D printed micro gas turbine engines and parts, and to benchmark 3D printed micro gas turbines in terms of performance, longevity and reliability. The MOU has a two (2) year term and can be terminated at any time by either party.

For further information about Turbine MachineGenes please visit www.machinegenes.com

Ends

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

For further information, please contact: Rebekah Letheby, Chief Executive Officer
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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