

# ASX Announcement

## CORPORATE DIRECTORY

Chair

GRANT MOONEY

Non-Executive Director

ANDREW GARTH

Non-Executive Director

TERRY STINSON

Non-Executive Director

ASHLEY ZIMPEL

CEO

REBEKAH LETHEBY

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ASX CODE: A3D  
ACN: 601 164 505

## A3D Completes Micro Gas Turbine Maiden Flight

### Highlights:

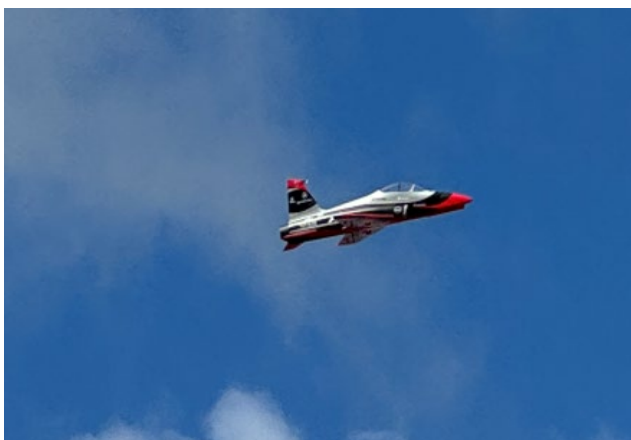
- **A3D completes maiden flight of the Aurora 200 Class, Micro Gas Turbine**
- **Test Data from successful flight to be provided to potential customers in industry and Defence.**

Aurora Labs Limited (“A3D” or “the Company”) (ASX:A3D), is pleased to announce that the Company has held the maiden aerial test flight for its 200 Class micro gas turbine in regional Western Australia, validating the performance and functionality of the Company’s ‘in house’ 3D printed engine.

The micro gas turbine performed to specification, producing an impressive 22kg of thrust at full throttle. The Company deployed the engine in a sub 25kg class, unmanned airframe, with a 2.79m wingspan and a top-speed of 270km per hour.

Commenting on activities, CEO Rebekah Letheby, said:” We are thrilled to announce a significant milestone in the micro gas turbine project, with our maiden flight now complete. A3D’s development of the 3D printed turbine underscores our commitment to innovation, positioning the Company at the forefront of micro gas turbine technology development advancing new frontiers.

The team’s swift progress to the initial flight stage has enabled us to breakthrough into new markets and applications for 3D printing, fostering future growth and increasing value for A3D Shareholders. ”





## Key Features of the A3D 200 Class Micro Gas Turbines

**Thrust** – Capable of producing above 20kg thrust, suitable for industrial/Defence applications

**Efficiency** – Integrated electronic control unit, brushless fuel pump for fuel efficiency, excellent combustion temperatures for optimal fuel burn

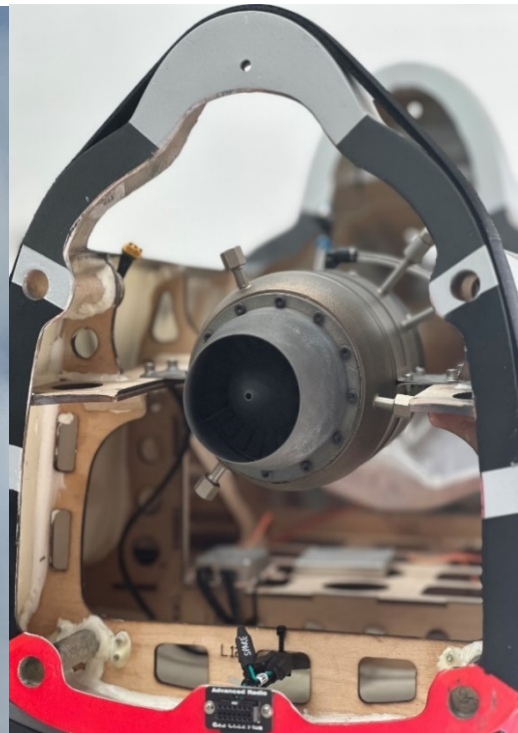
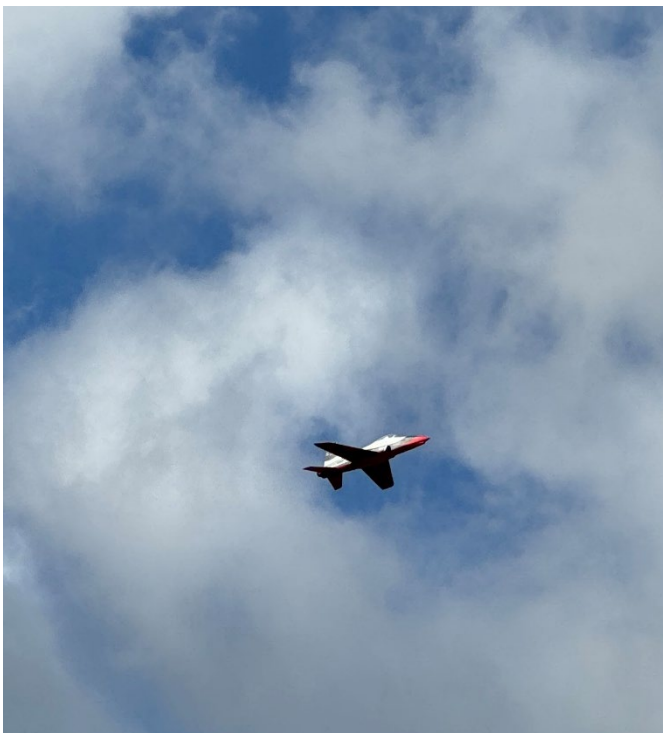
**Lightweight** – Reducing overall mass of the engine, through 3D design, without sacrificing power or design quality

**Optimised Design** – Part amalgamation for ease of assembly and lower cost of manufacture

**Sovereign Capability** – An engine designed, printed and built, wholly in Australia

A video of the flight test is available via the Company website : [www.auroralabs3d.com](http://www.auroralabs3d.com)

Please scroll down on the home page to view the first video in the list.





Since late 2023, the micro gas turbine design has undergone extensive detailed prototyping, with multiple designs produced, 3D printed, and bench tested to reach this stage. The 3D printing workflow supports multiple design iterations due to the ease of production of the upgraded designs.

The Company is satisfied that it is now ready to move into further test work in an aerial environment. Real world flight testing will further stress test the micro gas turbine at both altitude and temperature, ensuring that we optimise the design and performance to suit this particular propulsion application.

Results from the successful test flight will be provided to potential customers in industry and Defence for the purposes of fostering potential commercial engagement.

The Company will also be looking to test larger turbines to expand the diversity of applications in the gas turbine markets.

Ends

Approved for release by the Company's Chairman and CEO.

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)

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## 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](mailto:enquiries@auroralabs3D.com)