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**MEDIA RELEASE
FOR IMMEDIATE RELEASE**

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Improving sovereign industrial capability asset integrity and metal part manufacturing supply chains

Co-exhibiting at Indo Pacific 2022, Adelaide-based companies AML3D and NDE Solutions; provide solutions that significantly improve maintenance of high-value assets and large scale, exotic metal part supply chain for maritime.

2022 May, Adelaide, South Australia – Intent on showcasing the companies' metal 3D printing and testing processes while updating local and international markets on the latest technology releases, AML3D and NDE Solutions are co-exhibiting at Australia's premier international maritime exposition, Indo-Pacific.

Both AML3D and NDE Solutions provide an innovative, forward-thinking approach to part manufacture, testing and inspection using Industry 4.0 capability and the Industrial Internet of Things (IIoT). The two illustrate how metal 3D printed parts can be validated through rigorous testing and inspection processes. Particularly regarding high-value asset quality of small to large run part manufacturing, replacements components, and upgrades commonly seen in the maritime and defence supply chain and other critical industries such as mining, minerals, oil and gas.

AML3D is excited to share its patented Wire Additive Manufacturing (WAM®) process, where large scale and exotic material components can be printed faster, leaner and greener than traditional casting or billet machining techniques. On display at the event will be a Panama Chock, similar to the world's largest 3D printed shipboard fitting that AML3D wire additively manufactured for Keppel Technology and Innovation. A piece that was proof load tested 20% higher than the designed working load and certified by DNV's Global Additive Manufacturing Technology Centre of Excellence. The world's largest, metal 3D printed Oil & Gas piping component that Lloyd's Register verified will also be on show. This 940 kg monocoque pipe spool demonstrates the capability of WAM® for high-pressure environments that require manufacturing to a range of specific industry standards.

The release of updated software, WAMSoft® and AMLSoft™, will be another talking point for AML3D. The updated WAMSoft® and AMLSoft™ feature easier to navigate interfaces, simplifying the path planning and ARCEMY® metal 3D printing process. Secure remote control has been integrated into AMLSoft™, and remote monitoring is made possible with strategically placed cameras and the industrial internet of things (IIoT).

For NDE Solutions, Indo Pacific is an opportunity to share its technological advances within Non-Destructive testing and inspection with the industry. Asset integrity and reliability are improved with remote inspection solutions, an enabling technology that ensures inspection and verification when travel is limited or not possible, as recently experienced with the global COVID-19 pandemic.

NDE Solutions' point of difference is the ability to put the client in control of its assets worldwide using augmented reality, robotics and the Internet of Things (IoT). The live connectivity of the remote inspection allows for very specialised forms of non-destructive testing (NDT) to be used, providing improved detection and faster inspections than alternative forms of NDE.



Kimal Singh, NDE Solutions Managing Director, says, "Now more than ever, Australian businesses need to work together to rebuild our economy and return the value chain onshore. Partnerships with innovative companies like AML3D have huge potential to accelerate sovereign capability. NDE Solutions is pleased to collaborate with AML3D on world-first technologies. This is in line with our mission to pioneer solutions for humankind.

Mr Andrew Sales, AML3D's Managing Director, comments, "We are pleased to have the opportunity to exhibit alongside NDE Solutions. Industry collaborations such as ours aid in verifying new technologies, such as our proprietary process, Wire Additive Manufacturing. Our objective is to support and increase Australia's manufacturing capability with our technology, providing a faster, stronger and greener process when compared to traditional manufacturing methods, which fits well with our key business strategic growth plans."

AML3D and NDE Solutions invite you to visit stand 1C13 throughout the event.

At 10.00 am, 1.00 pm and 4.00 pm (AEST) each day, you can experience the AML3D Adelaide Technology Facility. See the WAMSoft® path planning process. Be there as we remote into ARCEMY® Production Cell 5 with AMLSoft™, watch as we metal 3D print and participate with the opportunity to win the part of the day on its completion.

Following directly from the AML3D experience, NDE Solutions' will be showcasing live specialised inspection techniques and demonstrating their remote inspection capabilities.

To contact and discuss projects and requirements anytime through the companies' representatives at info@aml3d.com and info@ndesolutions.com.au

About AML3D

AML3D Limited, founded in 2014, utilises new technologies to pioneer and lead metal additive manufacturing globally. Disrupting the traditional manufacturing space, AML3D has developed and patented a Wire Additive Manufacturing (WAM®) process that metal 3D prints commercial, large-scale parts for Aerospace, Defence, Maritime, Manufacturing, Mining and Oil & Gas. AML3D provides parts contract manufacturing from its Technology Centre in Adelaide, Australia. It is the OEM of ARCEMY®, an industrial metal 3D printing system that combines IIoT and Industry 4.0 to enable manufacturers to become globally competitive.

About NDE Solutions

NDE Solutions harnesses leading-edge technologies to ensure the effective delivery & sustainment of the operational performance of vital assets. Real-time data-driven insights and predictions are utilised to safely perform a fast, accurate assessment of the health of an asset that is able to be done remotely, and without the need to interrupt production. NDE Solutions Pty Ltd is a sovereign Australian company growing across a large geographical footprint in the Oceanic region. Founded in August 2018, NDE Solutions has since seen some exceptional growth and are now 70 employees strong.

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Resources:

AML3D:



Caption: AML3D custom ARCEMY® metal 3D printing system for RMIT
Available: [CLICK HERE](#)



Caption: Slicing and path planning for AML3D's Wire Additive Manufacturing process with WAMSoft®
Available: [CLICK HERE](#)

NDE Solutions:



Caption: Advanced NDT Technician scanning a pressure vessel using Phased Array Ultrasonics
Available: [CLICK HERE](#)



Caption: Technician utilising the industry specific Augmented reality headset to inspect the welding on an automotive oil sump
Available: [CLICK HERE](#)