

NEW HYBRID WIRE ARC PRINTER SUCCESSFULLY COMMISSIONED SUPPORTING FASTER, LARGER AND MULTI-PART PRINTING

Highlights:

- *3D Metalforge Limited has successfully completed the testing and commissioning of its latest Hybrid Wire Arc printer*
- *Capable of faster, larger format metal printing with a production envelope up to 1.5m; suitable for larger oil & gas, maritime, defence and other industrial parts*
- *Commands significant production flexibility with ability to print multiple parts simultaneously*
- *Parts printed in high strength alloy material were tested extensively and displayed exemplary mechanical properties*
- *Further expands 3D Metalforge's integrated business model and capabilities across its client layer, intelligence layer, and integration layer*

12 April 2021: 3D Metalforge (ASX: 3MF) ("3D Metalforge" or the "Company"), a revenue generating Additive Manufacturing company, is pleased to announce that the Company has successfully completed the testing and commissioning of its latest Hybrid Wire Arc printer ("H-WAAM").

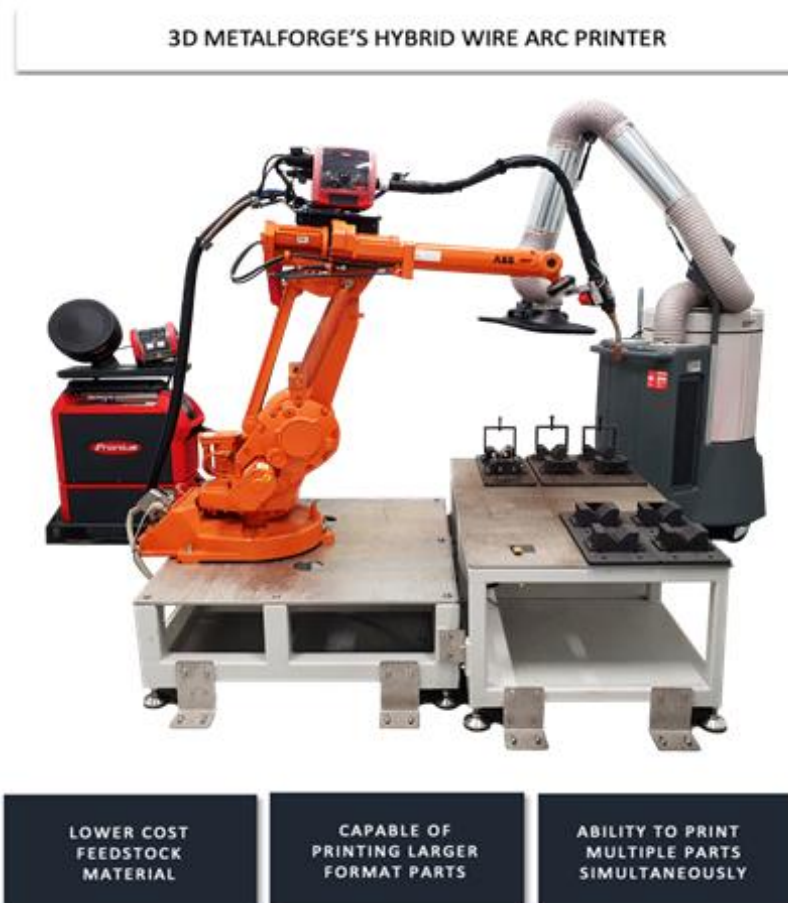
Final commissioning tests successfully demonstrated exemplary mechanical properties in X96, a high-performance weld wire. Ability to work with such high performance weld wires opens a wider range of more cost-effective feedstock for future part production allowing 3D Metalforge to produce larger and high strength parts in a wide range of materials at lower cost.

The H-WAAM printer is capable of printing larger format parts up to 1.5m and printing multiple parts simultaneously giving significant production flexibility to produce larger production volumes quickly or production runs with different part designs.

The printer has been in development over the past 2 years in collaboration with Singapore University of Technology & Design with the initial technology under exclusive licence to 3D Metalforge for service bureau use in the oil & gas and maritime sector for a period of 10 years.

The H-WAAM printer will allow further expansion of metal printing into larger size parts in the oil & gas, maritime, defence and other sectors. 3D Metalforge will update the market in due course on the progression of these opportunities.

3D Metalforge's Managing Director, Matthew Waterhouse said "We are extremely excited to successfully complete the testing and commissioning of this printer and are excited to see it open up large new opportunities in the maritime, oil & gas and defence sectors".



The commissioning of 3D Metalforge's Hybrid Wire Arc printer builds on the Company's existing portfolio of proprietary and third party printers which include power bed fusion ("SLM"), directed energy deposition, polymer print farm and multi-jet fusion printers.

3D Metalforge has and will, continue working in conjunction with research institutions, universities, and government-linked companies to develop multiple potential high-value projects. These include the development of a blown powder directed energy deposition printer and hybrid printing technologies for directed energy deposition printing which has application in larger parts for the maritime, defence and oil & gas sectors. These sectors have a high volume of such larger parts that are beyond the production envelope of traditional SLM printers.

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3D Metalforge's expanded printer capability also builds on the Company's integrated business model which comprises:

- Client layer: custom offerings to drive revenue growth including diagnostic inventory analysis, design services, part production, education and training;
- Intelligence layer: site diagnostics, additive manufacturing production management, additive manufacturing quality management and design systems; and
- Integration layer: integration of 3rd party and proprietary printers, software and materials.

- ENDS -

This announcement has been approved for release by the Managing Director of 3D Metalforge Limited.

For more information please contact:

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ABOUT 3D METALFORGE

3D Metalforge (ASX: 3MF) is a leading Additive Manufacturing (AM) company that supports a growing and multi-national blue-chip client base with their 3D metal printing requirements. The Company offers a full range of in-house metal printing services from design and engineering, material advisory, diagnostics and testing to printing and post-production services. Its proprietary novel processes and technology produces faster, cheaper and better AM parts and eco-system services.