

3D METALFORGE SUCCESSFULLY DELIVERS AM PARTS FOR SHELL IN SHORTER TIME

- *Successful collaboration with Shell Jurong Island, a dedicated chemicals manufacturing site based in Singapore owned by Shell, one of the world's largest energy companies (market cap. of \$163 billion¹) to deliver additively manufactured heat exchanger parts on demand.*
- *Shell Jurong Island engineers chose to use 3D Metalforge's additive manufacturing (AM) technologies and processes to accelerate the required lead time to manufacture heat exchanger tube components.*
- *3D Metalforge provided a full range of AM services including the creation of a digital file for the parts prior to printing and testing.*
- *The components were successfully installed and completed in record time of two weeks, and the printed parts resulted in a lead time reduction.*
- *Projects like this validate 3D Metalforge's approach to delivering critical spare parts faster and more cost effectively to help leading companies reduce equipment downtime.*

2 November 2021: 3D Metalforge (ASX: 3MF) ("3D Metalforge" or the "Company"), a global revenue generating Additive Manufacturing company, announces the successful delivery of additively manufactured heat exchanger parts to Shell Jurong Island, a dedicated chemicals manufacturing site based in Singapore owned by Royal Dutch Shell plc ("Shell") supplied under a one-time agreement with Shell Jurong Island. Shell Jurong Island's engineers chose to use 3D Metalforge and Additive Manufacturing to reduce the required lead time to manufacture heat exchanger tube components, with the parts delivered in a record timeframe of two weeks.

3D Metalforge worked closely with Shell Jurong Island to understand the part performance requirements from the engineers. 3D Metalforge's design team then created a digital file for the parts prior to production, followed by printing and post-production certification of the final parts. During the post-production quality review, parts were subjected to integrity detection tests to assure these components met client specifications.

"We appreciate 3D Metalforge for their exceptional technical services and their timely and successful delivery of quality parts to Shell Jurong Island", commented Pina Joshi, Asset Rejuvenation Senior Reliability Engineer at Shell Jurong Island.

¹ Yahoo Finance as of 17 October 2021

Heat exchanger tube components are thin-walled metal tubes inserted into the inlet-end of condensers and heat exchangers to transfer heat or help prevent tube failures within the heat exchanger tube inlet-end.



In this case, 3D Metalforge’s goal in working with Shell Jurong Island was to help extend the lifespan of the existing equipment and produce replacement parts faster and more cost-effectively, particularly in time-sensitive situations where downtime or replacement create a significant impact on clients’ operations.

Whilst the value of this one-time project is non material to 3D Metalforge, the scope of work demonstrates the Company’s continuing commitment to leading the way in the development of new additive manufacturing technologies; custom-engineered solutions and streamlined processes to deliver the faster response and shorter turn-around times that customers need. It also validates 3D Metalforge’s strategy that fit-for-purpose additive manufacturing capabilities can result in significant cost savings for clients.

“We were extremely pleased to provide our additive manufacturing technologies for this project for Shell Jurong Island in record time which ultimately helped improve the lifespan of existing equipment. Our primary goal is to be a trusted service provider, this is what customers desire over everything else. We work every day to provide greater value to our clients and this is an excellent validation of the benefits of our technology and of the increasing adoption of additive manufacturing.” said **Matthew Waterhouse, 3D Metalforge Managing Director.**

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

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ABOUT SHELL

Shell is an international energy company with expertise in the exploration, production, refining and marketing of oil and natural gas, and the manufacturing and marketing of chemicals. Shell uses advanced technologies and takes an innovative approach to help build a sustainable energy future. Shell also invests in power, including from low-carbon sources such as wind and solar; and new fuels for transport, such as advanced biofuels and hydrogen.

Singapore is Shell's largest petrochemical production and export centre in the Asia Pacific region. Shell Jurong Island manufactures chemical intermediates to meet the strong and fast-growing demand for these products in the region and beyond. Occupying more than 60 hectares, Shell's chemical manufacturing assets on Jurong Island manufacture ethylene oxide (which is converted into ethylene glycols and high purity ethylene oxide), ethoxylates, styrene monomer, propylene oxide and polyols.

ABOUT 3D METALFORGE

3D Metalforge (ASX: 3MF), founded in 2015, is a leading Additive Manufacturing (AM) company that supports a growing multinational industry-leading client base with their advanced proprietary 3D additive manufacturing systems. The Company offers a full range of in-house AM printing services from design and engineering, material advisory, diagnostics and testing, to printing and post-production certification to the latest industry and API standards. Its approach to industrial production, its proprietary processes and eco-friendly technology produce high-demand parts faster, better and more cost-effectively with less environmental impact and greater sustainability than conventional manufacturing.

FORWARD LOOKING STATEMENT

Statements contained in this release, particularly those regarding possible or assumed future performance, revenue, costs, dividends, production levels or rates, prices or potential growth of 3D Metalforge Limited, are, or may be, forward looking statements. Such statements relate to future events and expectations and, as such, involve known and unknown risks and uncertainties. Actual results and developments may differ materially from those expressed or implied by these forward-looking statements depending on a variety of factors.