



ASX ANNOUNCEMENT

Titomic Limited signs agreement with Gilmour Space Technologies to produce high-performance Additive Manufactured rocket and space components.



L-R: Jan-Erik Ronningen CE Gilmour Space, Jeff Lang MD Titomic, James Gilmour COO Gilmour Space & Nathanael Miller CTO Titomic

- **Titomic Kinetic Fusion to validate additive manufactured rocket components**
- **Deal contributes to Australia's future space economy & exploration activities**
- **Advanced technologies highlighting Australian sovereign capability globally**

Melbourne, Australia, October 3rd, 2019: Australian company Titomic (ASX: TTT) has joined forces with Queensland-based Gilmour Space Technologies to develop and promote the use of Titomic's Digital Manufacturing Solutions, including Titomic Kinetic Fusion® (TKF) to produce high-performance rocket and aerospace components. Titomic and Gilmour have signed a Statement of Strategic Intent and Technical Development that will facilitate their cooperation across multiple exciting fields within the global space industry.

The areas of cooperation are:

- *Fabrication works in Titomic Bureau to produce rocket components using Titomic's TKF systems;*
- *Explore, design and develop a digital manufacturing process to deliver high performance rocket components;*
- *The production of rocket and space components to benefit Australia's future space exploration activities.*

Titomic was incorporated in 2014 to commercialise a new solid-state metal additive manufacturing technology, developed by the CSIRO, known as Titomic Kinetic Fusion® (TKF). The technology enables both manufacturing of large-size metal parts and high-volume production of complex-shaped parts of dissimilar metals. With a current capability at Titomic's Melbourne Bureau to manufacture Titanium and other metal parts of up to 9m long and 3m wide, the TKF technology is currently the only metal additive manufacturing process (3D Printing) capable of manufacturing rockets in a single piece as well as other space components.

Gilmour Space, founded in 2013 by two brothers, Adam and James Gilmour, is one of Australia's leading space companies and is pioneering new and innovative hybrid propulsion technologies with the goal of making access to space cheaper.

Mr. James Gilmour, Gilmour Space Co-Founder & Chief Operating Officer, stated:

"Gilmour Space is developing new launch vehicles to support today's global small satellite market, and this partnership could see us leveraging on Titomic's innovative manufacturing processes to produce lighter and stronger components for our orbital launch vehicles."

Mr. Nathanael Miller, Chief Technology Officer of Titomic, stated:

"I am excited to get started on our joint tech-development program. Between the Gilmour Space focus on launch economics and the scale and quality performance of Titomic Kinetic Fusion® capabilities, I am expecting significant implications for the launch vehicle community."

Mr. Jeff Lang, Titomic Founder & Managing Director stated:

"This is an exciting new development for Titomic to share a commercially strategic vision to deliver unique capabilities of advanced technologies to assure growth of the Australian space eco-system. The Gilmour Space strategy, for lower cost access to launch satellites into space by affordable high-performance rockets, is in synergy with Titomic's capability to provide an affordable alternative to traditional manufacturing by utilising the unique capabilities of Titomic Kinetic Fusion® (TKF) technology."

"Titomic is increasingly becoming a significant player in the global Aerospace, Defence and Space industries and by partnering with Gilmour Space it is further evidence that TKF technology has the potential for a multiplicity of applications for future industries to improve manufacturing affordability and sustainability of resources".

"It's also gratifying that Gilmour, one of the pioneers in the Australian space industry, has recognised the potential of the TKF process and wants to cooperate with Titomic to explore how we can fully utilise it to produce high-performance rocket and space components."

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About Titomic Limited:

Titomic (ASX:TTT) is headquartered in Melbourne, Australia. Titomic is positioned to change the value proposition of Titanium, to unlock new applications and open opportunities that are now technically and economically viable with its proprietary Titomic Kinetic Fusion™ (TKF) technology platform. TKF overcomes the limitations of additive manufacturing (3D printing) for metals to manufacture complex parts without shape or size constraints. TKF offers production run capability to organisations, which enables speed-to-market, superior products with lower production inputs using fewer resources for a more sustainable future.

Forward-looking statements:

Certain statements made in this release are forward-looking statements and are based on Titomic's current expectations, estimates and projections. Words such as "anticipates," "expects," "intends," "plans," "believes," "seeks," "estimates," "guidance" and similar expressions are intended to identify forward-looking statements. Although Titomic believes the forward-looking statements are based on reasonable assumptions, they are subject to certain risks and uncertainties, some of which are beyond Titomic's control, including those risks or uncertainties inherent in the process of both developing and commercialising technology. As a result, actual results could materially differ from those expressed or forecasted in the forward-looking statements. The forward-looking statements made in this release relate only to events as of the date on which the statements are made. Titomic will not undertake any obligation to release publicly any revisions or updates to these forward-looking statements to reflect events, circumstances or unanticipated events occurring after the date of this release except as required by law or by any appropriate regulatory authority.