Titomic signs Material Science Testing Agreement with Fincantieri Australia

- **Material Science Testing agreement will comprehensively test specified material to ASTM International standards for mechanical and chemical properties.**
- **Fincantieri S.p.A is the largest shipbuilder in Europe and fourth largest in the world and builds both commercial and naval vessels**

Melbourne, Australia, 26th June, 2018: Australian metal additive manufacturing company, Titomic Limited (ASX: TTT) ("*Titomic*" or "*the Company*") today announces it has signed its first Material Science Testing ("*MST*") agreement with Fincantieri Australia Pty Ltd ("*Fincantieri*"), the Australian division of Fincantieri S.p.A. (BIT: FCT) – one of the world's largest shipbuilding groups.

This agreement follows the ASX announcement on 14 May of Titomic's Memorandum of Understanding with Fincantieri as the first step in the defined roadmap to evaluate the potential for the Company's additive manufacturing process, Titomic Kinetic Fusion, to be used in Fincantieri's manufacturing activities.

The MST agreement will see Titomic perform a series of tests on a Fincantieri specified alloy, in accordance with ASTM International standards to achieve desired mechanical and chemical properties. The testing capabilities will include hardness, strength, porosity and chemistry analysis.

The outcome of the tests will provide Fincantieri with valuable technical information on material properties, performance, strength, durability and cost efficiencies of Titomic's additive manufacturing process, Titomic Kinetic Fusion. This analysis takes into account Australian capabilities for manufacturing processes as well as component redesign to enhance material characteristics with the new process.

Jeff Lang, CTO of Titomic commented:

> *"We are pleased to kick off this first project with Fincantieri as part of our MoU. We will be producing test samples at our new state of the art facility in Melbourne in order to conduct the stringent tests required. This is the first step towards manufacturing large marine parts on our metal 3D printers of limitless scale."*

As part of the MOU, members of Titomic's technology and operational team have also recently completed a visit to Riva Trigoso Shipyard in Italy, to have an in-depth understanding of Fincantieri mechanical components which are designed, developed and manufactured on-site as the first phase of marine technology transfer to Australia.

Dario Deste, Chairman of Fincantieri Australia said:

> *"The next activities between Fincantieri and Titomic evaluate the benefits of applying the proprietary Titomic Kinetic Fusion technology to manufacture mechanical components for Naval and Merchant Ships. With over 100 ships on order around the world, Fincantieri has the size and strength to bring new technology to market."*

With 20 shipyards across four continents, Fincantieri S.p.A is one of the world's largest shipbuilding groups and number one by diversification and innovation. It is the leader in cruise ship design and construction, and a reference player in all high-tech shipbuilding industry sectors – from naval to offshore vessels, from high-complexity special vessels and ferries to mega-yachts, ship repairs and conversions, systems and equipment production, and after-sales services. Fincantieri also carries out maintenance and refurbishment of cruise ships – a major and growing international industry.

Fincantieri is one of the shortlisted bidders for The Future Frigates SEA 5000 program.

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About Titomic:

Titomic (ASX:TTT) is headquartered in Melbourne, Australia. The company overcomes limitations of previous additive manufacturing (3D printing) for metals to manufacture complex parts without shape or size constraints. Titomic offers design and manufacturing methods to enable speed-to-market, superior products at lower production costs and using less resources for a more sustainable future.

Titomic additive manufacturing machines that can customise build size to customer requirements offer additive manufacturing advantages at industrial scale. Multiple robots can be utilised to build larger parts, competing with traditional manufacturing solutions for industries such as aerospace and defence, sporting goods, medical, automotive, industrial equipment, construction and marine.

Other benefits of the Titomic Kinetic Fusion technology include:

- Joining dissimilar metals and composites for engineered properties in a structure
- Stronger structures without welding, folding or bending
- Reduced time to market; no tooling, industry-leading production speeds

Clients will be offered a licence to manufacture via the Titomic Kinetic Fusion technology. Titomic's revenue model will also provide clients with R&D prototyping services, Titomic equipment sales, powder and consumables supply, equipment service and maintenance. For more information visit: www.titomic.com.

About Fincantieri S.p.A:

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Headquartered in Trieste (Italy), the Group has built more than 7,000 vessels in over 230 years of maritime history. With more than 19,500 employees, of whom more than 8,300 in Italy, 20 shipyards in 4 continents, today Fincantieri is the leading Western shipbuilder. It has among its clients the major cruise operators, the Italian and the U.S. Navy, in addition to several foreign navies, and it is partner of some of the main European defense companies within supranational programmes. www.fincantieri.com

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.