INVESTOR PRESENTATION
Oct 2017

Jeff Lang
CEO & Director of Technology

Industrial Scale
Additive Manufacturing
Disclaimer

This presentation has been prepared by Titomic Limited ACN 602 793 644 (“Titomic” or the “Company”) to provide summary information about Titomic and their activities as at the date of this presentation. The information in this presentation is of a general nature and does not purport to be complete and may change without notice. This presentation is not a recommendation to buy Titomic shares and undue reliance should not be placed on the information or opinions contained in this presentation for investment purposes as it does not take into account your investment objectives, financial position or needs. These factors should be considered, with professional advice, when deciding if an investment is appropriate.

This presentation includes forward-looking statements that reflect Titomic’s intentions, beliefs or current expectations concerning, among other things, Titomic’s results of operations, financial condition, liquidity, performance, prospects, growth, strategies and the industry in which Titomic operates. These forward-looking statements are subject to risks, uncertainties and assumptions and other factors, many of which are beyond the control of Titomic. Titomic cautions you that forward-looking statements are not guarantees of future performance and that its actual results of operations, financial condition, liquidity, performance, prospects, growth or opportunities and the development of the industry in which Titomic operates may differ materially from those made in or suggested by the forward-looking statements contained in this presentation. In addition, Titomic does not guarantee any particular rate of return or the performance of Titomic nor does it guarantee the repayment or maintenance of capital or any particular tax treatment. Investors should note that past performance may not be indicative of results or developments in future periods and cannot be relied upon as an indicator of (and provides no guidance as to) Titomic’s future performance. Titomic, its related bodies corporate and each of their respective directors, officers and employees expressly disclaim any obligation or undertaking to review, update or release any update of or revisions to any forward-looking statements in this presentation or any change in Titomic’s expectations or any change in events, conditions or circumstances on which these forward-looking statements are based, except as required by applicable law or regulation.

Subject to any continuing obligation under applicable law or any relevant listing rules of the ASX, Titomic disclaims any obligation or undertaking to disclose any updates or revisions to any forward-looking statements in these materials to reflect any change in expectations in relation to any forward looking statements or any change in events, conditions or circumstances on which any statement is based. Nothing in these materials shall under any circumstances create an implication that there has been no change in the affairs of Titomic since the date of this presentation.

This presentation contains summary information about Titomic and its activities, which is current as at the date of this presentation. The information included in this presentation is of a general nature and does not purport to be complete nor does it contain all the information which a prospective investor should consider when making an investment decision. Each recipient of this presentation should make its own enquiries and investigations regarding all information in this presentation including but not limited to the assumptions, uncertainties and contingencies which may affect future operations of Titomic and the impact that different future outcomes may have on Titomic. This presentation has been prepared without taking account of any person’s investment objectives, financial situation or particular needs. Before making an investment decision, prospective investors should consider the appropriateness of the information having regard to their own objectives, financial situation and needs, make their own assessment of the information and seek legal, financial, accounting and taxation advice appropriate to their jurisdiction in relation to the information and any action taken on the basis of the information.

The information included in this presentation has been provided to you solely for your information and background and is subject to updating, completion, revision and amendment and such information may change materially. Unless required by applicable law or regulation, no person (including Titomic) is under any obligation to update or keep current the information contained in this presentation and any opinions expressed in relation thereto are subject to change without notice. No representation or warranty, express or implied, is made as to the fairness, currency, accuracy, reasonableness or completeness of the information contained herein. Neither Titomic nor any other person accepts any liability and Titomic, its related bodies corporate and their respective directors, officers and employees, to the maximum extent permitted by law, expressly disclaim all liabilities for any loss howsoever arising, directly or indirectly, from this presentation or its contents.

The distribution of this presentation in certain jurisdictions may be restricted by law and persons into whose possession this presentation comes should inform themselves about, and observe any such restrictions.
Titomic Kinetic Fusion
Industrial scale advanced manufacturing systems

Taking 3D Metal Printing to large scale manufacturing
Titomic overcomes metal 3D printing size, speed and oxidation limitations. Titomic offers the worlds fastest and largest metal 3D printing builds as it uses kinetic fusion to form metal parts.

Challenges the core of traditional manufacturing
Titomic’s Kinetic Fusion system offers rapid protoyping, superior products at lower production costs and reduction in material waste. Utilising less resources for a sustainable and green tech future.
Overview – Titomic driving the future of manufacturing

Titomic overcomes the limitations of existing additive manufacturing for metals, to manufacture complex parts faster, larger and smarter.

Titomic’s system enables speed-to-market, manufacturing at lower production costs and use less resources for a more sustainable future.

Experienced Advanced Manufacturing board

Leading Technology & Research support with CSIRO

Potential applications across global and mass market industries
Rapid growth sector with diversified revenue opportunities

Exclusive rights to commercialise the co-developed CSIRO proprietary and patented process, for the application of Titomic Kinetic Fusion technology.
How does Titomic Kinetic Fusion work and its advantages

- Titanium alloys are sprayed onto a scaffold surface or a build plate at supersonic speeds (~3x the speed of sound) where the particles impact (and plastically deform) and bond to the scaffold or to themselves to create a 3D formed part.

- The only process which can fuse a broad range of materials: metals, composites (ceramics) to create superalloys and hybrid materials and fuse dissimilar materials.

- Fastest deposition rates of up to 45 kg/hr. Can be faster with multiple robotic heads.

- Unlike existing 3D printers, Titomic can use less refined powders which are more cost competitive.

- Replaces traditional metal fabrication techniques of folding, bending and welding.

- No melting the metal or need for an inert enclosure allowing much larger metal parts to be 3D printed.
Powders

The Titomic Kinetic Fusion process fuses metals and composites together to form metal solids and hybrid materials, creating parts with engineered properties not available with any other manufacturing technology.

- Most aviation grade parts utilise powders costing a minimum of US$200 per kg and up to US$800 per kg for specialised purposes.

- Titomic offers a range of cost-effective metal/alloy powders for additive manufacturing, including proprietary titanium alloy powders for use with Titomic machines.

- Unrefined Titanium powder costs less than refined powders at approximately US$20-50 per kilogram

- Existing additive manufacturing systems cannot currently utilise these unrefined powders

- Many manufacturers still use alloys developed in the 1960s. Titomic can re-define alloying parameters and create new super alloys for industry applications.

- New super alloys mean customers can launch new superior products with the Titomic Kinetic Fusion process.
Additive Manufacturing Market Growth

The additive manufacturing industry is expected to grow from $6.1 billion in 2016 to approximately $26.2 billion by 2022 (Wohlers Associates, Inc).

By 2018 the industry is forecast to reach nearly $9.5 billion worldwide.

Additive Manufacturing 1993-2016

Additive Manufacturing 2018-2022

For personal use only

Source: Wohlers Report 2017

Additive Manufacturing products, systems and material sales

Additive Manufacturing Services.
### Business model

- Titomic is targeting the sales of Titomic Systems (machines and powders) with the validation of Titomic Kinetic Fusion process for clients’ manufacturing requirements to 3D print large complex parts through R&D prototyping services. Servicing and maintenance will be another revenue source.

- Clients will be offered a licence to manufacture these parts.

<table>
<thead>
<tr>
<th>R&amp;D Prototyping Service</th>
<th>Titomic Equipment sales</th>
<th>Consumables Supply</th>
<th>Service &amp; Maintenance</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Fee for service prototyping for clients</td>
<td>• Titomic design, commission and install machinery</td>
<td>• Supply Titomic branded powders and machine consumables (spray nozzles and powder feeders)</td>
<td>• Titomic will offer a preventative maintenance programme for Titomic equipment</td>
</tr>
<tr>
<td>• Titomic manufactures client product / part</td>
<td>• Titomic system sales are intended to be a major revenue channel in the first 5 years of commercial operations.</td>
<td>• Metal powder and consumable sales are intended to be a major long term, highly profitable, revenue stream from Titomic systems customers</td>
<td>• Servicing and upgrades to equipment according to client requirements</td>
</tr>
<tr>
<td>• Client offered a licence to manufacture with Titomic process</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• In the early stages of business model it is intended that the Titomic service bureau will generate a significant portion of sales revenue.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Target industries – Current

Titomic has the commercial rights to exploit the licenced patents in the US, Japan, NZ in the following industries. China, Europe, Australia to follow.

1. **Aerospace @ $8bn**
   - primary target titanium (Ti) raw market worth $3.4bn pa
   - secondary target composites @$2.7bn pa for 787 & A350 production
   - tertiary target superalloys @$1.9bn pa

2. **Military in Australia @$7.3bn**
   - Australian defence autonomous systems /drones ~$50m pa
   - Submarine, future frigate and offshore patrol vessel market is ~$7.2bn pa
   - Material for ballistics protection & high temperature resistance
   - Large seamless fuselage or monocoque wing for drones & submarines

3. **Sporting Goods @$11bn**
   - primary target Mountain bikes, Racing and Road bikes worth $11bn pa

4. **Marine in Australia @$2bn**
   - primary target catamarans / sailboats & full cabin cruisers $2bn pa
   - secondary target repairs for corrosion resistance, anti-fouling
Target industries – Future

5. Medical equipment and mobility
   • Primary target lightweight Titanium wheelchairs & mobility devices
   • Secondary target hospital equipment; beds, tables, anti-microbial cladding

6. Automotive
   • Targeting car panels and chassis strength to weight ratio and lightness

7. Building and Civil Construction
   • Targeting lightweight corrosion resistant cladding and maintenance of steel structures

8. Mining, Oil & Gas and Transport
   • Targeting repair and preventative maintenance for structures, piping and equipment
## Current target industries and progress

<table>
<thead>
<tr>
<th>Industries</th>
<th>Companies</th>
<th>Project</th>
<th>Revenue Stream</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sporting Goods</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sporting Goods</td>
<td>Major USA Bike brand</td>
<td>Titanium bike frames</td>
<td>R&amp;D Q2’18 project leading to machine &amp; powder sales</td>
</tr>
<tr>
<td></td>
<td>Major USA Golf brand</td>
<td>Super alloy golf clubs</td>
<td>R&amp;D Q2’18 project leading to machine &amp; powder sales</td>
</tr>
<tr>
<td></td>
<td>Major European Bike brand</td>
<td>Titanium bike wheels</td>
<td>R&amp;D Q2’18 project leading to contract manufacturing</td>
</tr>
<tr>
<td></td>
<td>Major Taiwan Bike Brand</td>
<td>Super alloy bike parts</td>
<td>R&amp;D Q1’18 project leading to machine &amp; powder sales</td>
</tr>
<tr>
<td><strong>Aerospace &amp; Defence</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aerospace &amp; Defence</td>
<td>Major US material supplier</td>
<td>Repair of castings &amp; bosses onto forging</td>
<td>R&amp;D Q2’18 for Aerospace leading to machine &amp; powder sales</td>
</tr>
<tr>
<td></td>
<td>European Aerospace OEM</td>
<td>Airframe components &amp; Alloy/CFRP coatings</td>
<td>Current R&amp;D trials leading to a licensed supply contract Q1’18</td>
</tr>
<tr>
<td></td>
<td>US Aerospace Prime</td>
<td>Space &amp; Satellite hypersonic coatings</td>
<td>Scoping project leading to R&amp;D machine &amp; powder sales</td>
</tr>
<tr>
<td></td>
<td>US Defence Prime</td>
<td>UAV wing &amp; fuselage structures for drones</td>
<td>Scoping project leading to R&amp;D machine &amp; powder sales</td>
</tr>
<tr>
<td></td>
<td>European Naval OEM</td>
<td>Super alloy &amp; ballistic components</td>
<td>Scoping project leading to R&amp;D machine &amp; powder sales</td>
</tr>
<tr>
<td><strong>Marine</strong></td>
<td>AU ship builder</td>
<td>R&amp;D for components in high speed ships</td>
<td>Scoping project leading to R&amp;D machine &amp; powder sales</td>
</tr>
<tr>
<td></td>
<td>AU naval ship builder</td>
<td>Maintenance project leading to machine sales</td>
<td>Maintenance project leading to machine &amp; powder sales</td>
</tr>
</tbody>
</table>
Milestones

2010
Kinetic Fusion Process developed with CSIRO

2016
Nov:种子资本筹集

2017
Sep: IPO上市

Q1 2018
计划中的研发和制造设施开放

Q3 2018
目标生产开始

Q1 2016
全球商业许可

Q2 2017
Kinetic Fusion系统订购

Q3 2017
US专利授予

Q2 2018
Robotics &喷头到达

Q3 2018
Targeted revenue stream
Manufacturing facility

The Melbourne Facility will provide clients with a bureau to research, develop and manufacture prototypes & products utilising the Titomic Kinetic Fusion process.

- The facility will include a ITAR (International Traffic in Arms Regulation) compliance area – a United States regulatory regime to restrict and control the export of defence and military related technologies to safeguard U.S. national security and further U.S. foreign policy objectives.
- This is a requirement in order for Titomic to work with US based Defence OEMs
- Titomic is building the world’s largest metal 3D printer (L x W x H) 9 x 3 x 1.5 m = 40.5 m³
- Titomic’s is building a fully automated manufacturing system the world’s fastest production line for bicycle and wheelchair frames
- Titomic intends for production to commence by Q2 2018
Board with advanced manufacturing experience

**Philip Vafiadis : Chair & Non-Executive Director**
Executive Chair of Innovyz, Australia’s leading tech. commercialisation firms
Founder & Chair of VAF Research, manufacturer of high fidelity speaker systems
Co-founded ZEN Energy, one of Australia’s fastest growing companies
Founding member & Director of Australian Transformation & Turnaround Association

**Jeff Lang : CEO & CTO**
30 years’ in composite manufacturing & advanced materials technologies in Australia, Europe and Asia.
VP & Technical Director, Matrix Sports Co. Led company to global leadership in composites sporting goods manufacturing. Matrix Sports is a JV between Force Industries and Heli Group China.

**Simon Marriott : Executive Director | Industry & Technical Adviser**
20 years’ pioneer in advanced manufacturing, established Australia’s 1st 3D printing service bureau in 1993
Former VP of 3D Systems – Asia Pacific, MD of Amaero Engineering, Director of Advanced Manufacturing Cooperative Research Centre. Current Director of Innovative Manufacturing Cooperative Research Centre

**Richard Wilson : Independent Non-Executive Director**
20 years’ experience as CFO, Company Secretary, Director within resources, agricultural sectors for ASX listed, private and MNCs. Company Secretary for Wilgena Resources and Beston Global Food Company, Non Executive Director for Aus Tin Mining and Unity Housing Company.

**Richard Fox : Non-Executive Director**
Co-founder of Force Industries, leading manufacturer of composite sports board.
Former Chair and Director of Meditech Research, Director of Research at St Vincent’s Hospital, Director of Clinical Haematology and Medical Oncology, Royal Melbourne Hospital. Inaugural Chair of the Cancer Research Centre for Cancer Therapeutics. Awarded the Order of Australia in 2007.
Capital Structure

<table>
<thead>
<tr>
<th>Ordinary Shares on Issue</th>
<th>113,298,217</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class A Performance Shares*</td>
<td>10,000,000</td>
</tr>
<tr>
<td>Class B Performance Shares**</td>
<td>10,000,000</td>
</tr>
<tr>
<td>Options</td>
<td>2,005,000</td>
</tr>
<tr>
<td>IPO Funds Raised</td>
<td>$6.5m</td>
</tr>
<tr>
<td>Market Capitalisation (20/10/2017)</td>
<td>$48.2m</td>
</tr>
</tbody>
</table>

Major Shareholders

<table>
<thead>
<tr>
<th>Holder</th>
<th>Shares</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Richard Fox (Founder)</td>
<td>27,944,012</td>
<td>24.7%</td>
</tr>
<tr>
<td>Jeff Lang (CEO)</td>
<td>10,004,342</td>
<td>8.8%</td>
</tr>
<tr>
<td>Tim Fox (Founder)</td>
<td>8,626,646</td>
<td>7.6%</td>
</tr>
<tr>
<td>PAC Partners</td>
<td>5,819,050</td>
<td>5.1%</td>
</tr>
<tr>
<td>Innovyz (Founder)</td>
<td>5,375,000</td>
<td>4.7%</td>
</tr>
</tbody>
</table>

* Milestone 1: Share price must be more than 150% of IPO price and quarterly revenues must be at least $1m for two consecutive quarters, within 3 years of IPO.

** Milestone 2: Market Capitalisation more than $100m, and quarterly revenue must be at least $2m for two consecutive quarters, and must have issued at least 30 product licences, within 3 years of IPO.

Founders and Board 46.5%

Share price performance
## Peers

<table>
<thead>
<tr>
<th>Company</th>
<th>Business Description</th>
<th>Cap.</th>
<th>Sales</th>
<th>P/S</th>
</tr>
</thead>
<tbody>
<tr>
<td>PyroGenesis</td>
<td>Supplies titanium and other metal powders using patented Plasma Atomisation Process</td>
<td>$54m</td>
<td>$5.4m</td>
<td>10x</td>
</tr>
<tr>
<td>Aurora Labs</td>
<td>Designs, develops &amp; manufactures 3D printers, 3 different models of printers intended</td>
<td>$30m</td>
<td>$0.2m</td>
<td>150x</td>
</tr>
<tr>
<td>Voxeljet</td>
<td>Manufacturer of 3D printers and prototyping services, Offers 6 different printers. Build Size: 30x20x15cm (0.01m³) to 4x2x1m (8m³)</td>
<td>$117m</td>
<td>$32.6m</td>
<td>3.5x</td>
</tr>
<tr>
<td>ExOne</td>
<td>Designs, develops &amp; manufactures 3D printers, Offers 5 different printers. Build Size: 17x7x7cm (0.001m³) to 2.2x1.2x0.7m (1.8m³)</td>
<td>$210m</td>
<td>$66m</td>
<td>3.2x</td>
</tr>
<tr>
<td>SLM Solutions</td>
<td>Develops &amp; manufactures 3D printers, supplies powders, Offers 3 systems. Build Size: 13x13x8cm (0.001m³) to 50x28x33cm (0.05m³)</td>
<td>$944m</td>
<td>$123m</td>
<td>7.7x</td>
</tr>
<tr>
<td>Materialise</td>
<td>Materialise primarily provides additive manufacturing software solutions (60%) for the medical sector, and prototyping services (40%)</td>
<td>$957m</td>
<td>$167m</td>
<td>5.7x</td>
</tr>
<tr>
<td>Stratasys</td>
<td>Offers complete manufacturing solutions; designs &amp; develops 3D printers, supplies powders, and other services. Offers 20 printers for various uses. Build Size: 49x39x20cm (0.04m³) to 1x0.8x0.5m (0.4m³)</td>
<td>$1.4bn</td>
<td>$930m</td>
<td>1.5x</td>
</tr>
<tr>
<td>3D Systems</td>
<td>Designs &amp; manufactures 3D printers, supplies powders, software and manufacturing services. Offers 5 classes of printers, each with several models. Build Size: 10x10x10cm (0.001m³) to 28x28x42cm (0.03m³)</td>
<td>$1.65bn</td>
<td>$875m</td>
<td>1.9x</td>
</tr>
<tr>
<td>Renishaw</td>
<td>Diversified advanced manufacturer, predominantly related to metrology, also designs &amp; develops 3D printers. Offers 3 types of printers. Build Size: 25x25x30cm (0.02m³) to 25x25x35cm (0.02m³)</td>
<td>$5.9bn</td>
<td>$909m</td>
<td>6.5x</td>
</tr>
<tr>
<td>Titomic</td>
<td>Commercialisation of 3D printer, and prototyping services. Build Size: 9x3x1.5m (40.5m³) Max speed, intended 200kg /hr</td>
<td>$60m</td>
<td>$-m</td>
<td>-x</td>
</tr>
</tbody>
</table>

Source: PAC Partners
Summary

- The Titomic is one of the fastest manufacturing process for metal parts and products and uses low cost raw materials
- 3D printing of large metal components is more efficient
- super alloys and smart materials = superior products
- International patented process developed with CSIRO
- Highly experienced advanced manufacturing board & team
- R&D production facility online in 1Q CY2018
- Applications across a very broad range of industries
- The TKF process is being currently commercialised
- USA & Chinese Patents granted
Machines

Titomic machines can manufacture products without shape or size constraint.

Machines made for Titomic Kinetic Fusion

1. Build rates that are much faster than any conventional metal 3D printer. Cuts production time from days to hours.

2. the first additive manufacturing process to mitigate oxidation issues; there is no melting involved as particles travel at supersonic speeds, impact to mechanically fuse.

3. No heat-related distortion, materials retain their properties and are comparable to cast and wrought material.

4. Automated production lines which do not require welding, folding, bending and tooling, reducing production time

Titomic partners with industry-leading robotics and equipment manufacturers to create bespoke Titomic machines.
Titomic is the fastest metal 3D printer

Metal Additive Manufacturing Deposition Comparison Rates

- SLM/EBM Powder (0.2 kg/h)
- Laser Powder DED (2.27 kg/h)
- Laser Single Wire DED (2.9 kg/h)
- Scioxy EBAM Wire DED (9.07 kg/h)
- Titomic CS Powder (45 kg/h)
Targeting $8bn out of $12.4 bn Aerospace market

- Titanium is the largest material market by value at $3.48B
- With 787 production ramping up, and A350 long-lead items under production, composites are the third largest category at $2.68B
- The value of superalloys is $1.98B driven by aero-engine production

Titomic technology can fuse metals and composites to create hybrid materials.
Defence opportunities

- Australia will invest $195 billion over the next decade to upgrade defence capabilities – a large part of it would be for our naval forces.
- Incorporating Titomic in just 1 submarine, 1 future frigate and 1 offshore patrol vessel is already a $7.25bn market.
- The government announced $50 million funding for defence and industry to develop autonomous systems.
- Titomic has identified key defence capabilities:
  - Superior material for ballistics protection
  - Large seamless fuselage or monocoque wing
  - Structures with highest strength to density ratio
  - High temperature resistance
  - Corrosion resistance for aggressive environments
  - Anti-fouling

---

<table>
<thead>
<tr>
<th>Program Title</th>
<th>Program Timeline</th>
<th>1st Representative Investment Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air Combat Air Warfare Destroyer (3 ships)</td>
<td>Approved</td>
<td>$9.6bn</td>
</tr>
<tr>
<td>P-8A Maritime Surveillance and Response Aircraft (6 aircraft) and facilities</td>
<td>Approved</td>
<td>$4.8bn</td>
</tr>
<tr>
<td>MH-60R Anti-Submarine Warfare Helicopter (74 helicopters)</td>
<td>Approved</td>
<td>$1.9bn</td>
</tr>
<tr>
<td>Additional Maritime Surveillance and Response Aircraft (4 aircraft)</td>
<td>Approved</td>
<td>$1bn–$2bn</td>
</tr>
<tr>
<td>Maritime Communications Modernisation</td>
<td>Approved</td>
<td>$410m</td>
</tr>
<tr>
<td>Sea Panther Missile Upgrade</td>
<td>Approved</td>
<td>$300m</td>
</tr>
<tr>
<td>Australian Helicopter Electronic Support System Improvement</td>
<td>Approved</td>
<td>$210m</td>
</tr>
<tr>
<td>Future Frigate Program – Evaluation</td>
<td>Approved</td>
<td>$100m–$200m</td>
</tr>
<tr>
<td>Submarine – Sonar Replacement</td>
<td>Approved</td>
<td>$100m–$200m</td>
</tr>
<tr>
<td>Future Submarine Program – Evaluation</td>
<td>Approved</td>
<td>Less than $100m</td>
</tr>
<tr>
<td>Offshore Patrol Vessel – Evaluation</td>
<td>Approved</td>
<td>Less than $100m</td>
</tr>
<tr>
<td>Destroyer Program – Combat Systems</td>
<td>2017–2021</td>
<td>$4bn–$6bn</td>
</tr>
<tr>
<td>Maritime Anti-Sha Missiles and Digonatian Land-based Capability</td>
<td>2018–2021</td>
<td>$4bn–$6bn</td>
</tr>
<tr>
<td>Future Frigate Program – Weapons</td>
<td>2020–2024</td>
<td>$1bn–$4bn</td>
</tr>
</tbody>
</table>

Source: Australian Government Department of Defence 2016 Integrated Investment program
Targeting $11bn out of $24bn Bike market

Global Bicycle market expected to reach $59.9 billion by 2021

Source: Lucintel

Titomic is in the process of producing a fully monocoque Titanium bike frame.
Targeting $2bn out of $8bn AU marine industry

Titomic’s key marine capabilities include:
- Large seamless fuselage
- High strength to density ratio structures
- Corrosion resistance
- Anti-fouling

The Australian marine industry includes shipbuilding and boatbuilding and repair, marine equipment manufacturing, and marina operations with $1.7bn added to the Australian economy and an annual export market of $575m²

Taking manufacturing to a whole new level

Build rates of 45 kg p/hr. Significantly faster than existing 3D printers = speed to market

World’s largest metal 3D printer L x W x H
9 x 3 x 1.5 m = 40.5 m³
No shape or size build constraints
Industrial scale volumes without extensive tooling
The bigger the product, the more economies of scale

Up to 80% savings in material wastage compared to traditional machining of billet
No melting & no oxidation
Fusion of metals to create super alloys
Fusion of metals & composites = hybrid materials