


TITOMIC

Industrial Scale Additive Manufacturing

AGM Presentation
November 2018



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.

"You can never change things by fighting the existing reality, to change something build a new model that makes the existing model obsolete."

Buckminister Fuller

Survival of the fittest is an evolution process where competitive advantage is improved by acquiring traits that are exclusively beneficial. However this overlooks the importance of symbiotic relationships and maintaining one's integrity.

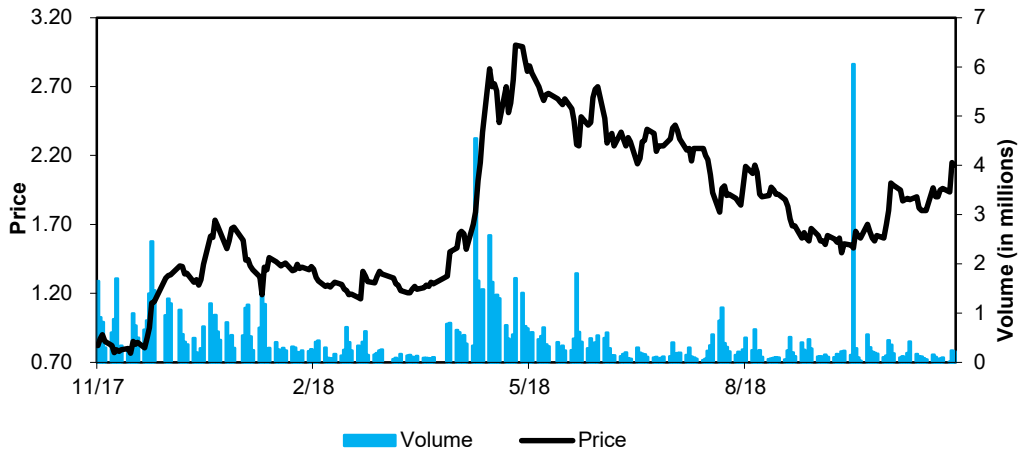
Titomic leverages symbiosis to create infinite cooperative relationships to maintain integrity and to demonstrate the highest form of intelligence and adaptability for growth, profitability and a sustainable future.

About Titomic (ASX : TTT)

Titomic enables clients to make better products faster with the use of additive manufacturing (AM) systems, patented process & superior materials once considered economically unviable.

Corporate Snapshot

- Melbourne based metal additive manufacturing company
- Overcomes metal 3D printing size, speed and oxidation limitations
- Offers the worlds fastest & largest metal 3D printing builds for industrial scale uses
- Customisable design and manufacturing methods provide faster speed-to-market, superior products at lower production costs and using less resources



Quoted Fully Paid Ordinary Shares on Issue	64,488,335
Fully Paid Ordinary Shares *(Escrowed until 21 Sept 2019)*	58,409,882
Class A Performance Shares*	10,000,000
Class B Performance Shares**	10,000,000
Unlisted Options	2,005,000
Market Capitalisation *(27 November 2018)*	**$239.0M**
Cash Balance *(30 September 2018)*	**$9.1M**

Board & Executive Management Team

Philip Vafiadis
Non-Exec. Chairman

Richard Wilson
Indep. Non-Exec Director

Professor Richard Fox
Non-Exec Director

Jeffrey Lang
Managing Director

Vahram Papyan
Chief Analytics Officer

Peter Vaughan
Company Secretary & CFO

Top Shareholders (27 November 2018)		Shares	%
1.	Presco 2 Pty Ltd <Richard Fox> *(Director & Founder)*	27,944,012	22.74%
2.	Jeffrey Lang *(Founder & Managing Director)*	10,004,342	8.14%
3.	Presco 3 Pty Ltd <Timothy Fox> *(Founder)*	8,626,646	7.02%
4.	Citicorp Nominees	6,307,395	5.13%
5.	PAC Partners Pty Ltd *(IPO Broker)*	5,819,050	4.73%
6.	SBPM <Innovyz> – Philip Vafiadis *(Director & Founder)*	5,175,000	4.21%
7.	HSBC Custody Nominees	4,968,298	4.04%
8.	JP Morgan Nominees	3,442,502	2.80%
9.	SWHL Investments Pty Ltd	3,187,500	2.59%
10.	Quality Life Pty Ltd	2,400,000	1.95%
Top 10 Shareholders		**77,874,475**	**63.37%**
Balance of Shareholders		**45,023,472**	**36.63%**

*** 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 >$100m, quarterly revenue must be at least $2m for two consecutive quarters, must have issued at least 30 product licences, within 3 years of IPO.

What TTT has achieved in 2018

- ✓ Opened the new Titomic production facility on time and on budget in Q2 2018
- ✓ Launched world's largest metal 3D printer (TKF9000) in Q2 2018
- ✓ ASX Announced 7x R&D project agreements to date leading to at least 10x product licences
- ✓ Top secret 3x R&D project agreements leading to at least 14x product licences
- ✓ Achieved first revenue in Q3 2018
- ✓ Achieved client agreement for $1.8M R&D project in Q4 2018
- ✓ Current sales leads for 5x TKF 1000 Systems, 2x TKF9000 and 6x TKF Production lines
- ✓ Secured global metal powder supply chain and distribution
- ✓ Development of new TKF MMPDS Aerospace Industry standards for FAA, DoD and NASA
- ✓ Launched TKF1000 system with RRP of $1.5m Usd at Formnext in Q4 2018
- ✓ Automated polishing cell commissioned with completion Q1 2019
- ✓ TKF automated bicycle production line commissioned with completion due Q1 2019
- ✓ ISO 9001 implementation commenced

2018 Tradeshows and Conferences

February
- Exhibited at Singapore airshow as Team Defence Australia

March
- Melbourne facility commissioned
- Jeff as an industry panelist at Allen's 3D printing in Manufacturing

April
- Jeff presented at NAMIC Maritime & Energy Summit in Singapore

May
- Launch of world's largest metal 3D printer in Melbourne
- Jeff presented at National Manufacturing Week, Sydney

June
- Exhibited at Eurosatory, Paris as Team Defence Australia

July
- Exhibited at Eurobike, Friedrichshafen

August
- Titomic partners with Swinburne research training centre grant

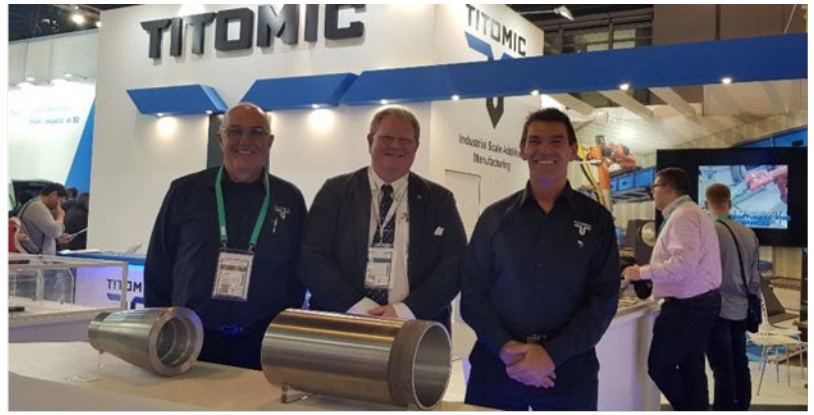
September
- Exhibited at Land Forces with Defence SA, Adelaide
- Exhibited at Taichung Bike, Taiwan

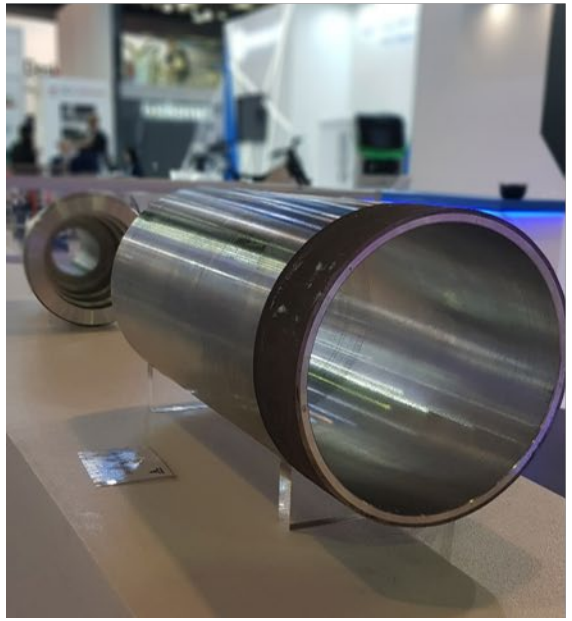
October
- $$2.6M IMCRC research project to develop TKF Standards
- TTT HQ expanded to 2nd office in Melbourne
- Governor of Victoria, the Hon. Linda Dessau AC visits TTT

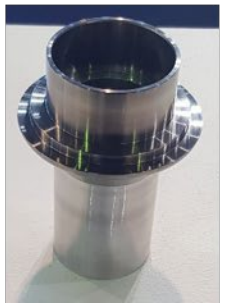
November
- Exhibited at Formnext, Frankfurt
- Jeff presented at Combined Australian Materials Societies, the Gong

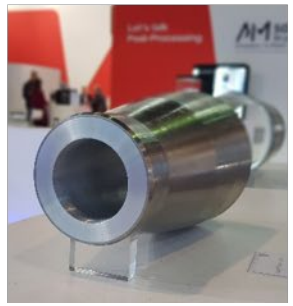
TTT @ Formnext in Frankfurt, Germany November 2018

Formnext is an annual exhibition for the additive manufacturing world visited by 30,000 visitors, including industry reps, multi-nationals to academia.









TITOMIC

TTT in Switzerland November 2018

Jeff Lang visited DT Swiss' Headquarters in Biel, Switzerland to discuss potential Titomic Kinetic Fusion™ applications.

DT Swiss is a bicycle component manufacturer with over 300 years experience in fabrication of specialty metal wire. DT Swiss is a company which appreciates the future of digital manufacturing.

Whilst in Switzerland, Jeff also had the opportunity to meet with BMC, the major bicycle manufacturer behind Cadel Evans' Tour De France win. Jeff toured 'Impeclab', BMC's state of the art R&D centre and discussed potential applications for Titomic Kinetic Fusion™

Where we get our customers from

Titomic enables industries to manufacture products with the following engineered properties and capabilities :

Lighter & stronger hulls

Ballistics protection

Anti-fouling & repair

Corrosion & wear resistance

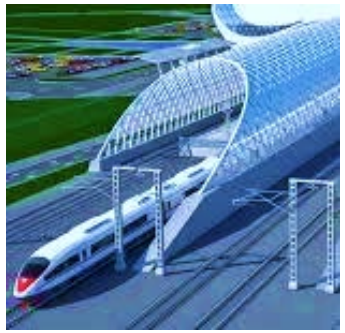
Continuous tube production

Heat resistance

High temp & aggressive environments, produce complex shapes on demand

Corrosion resistance

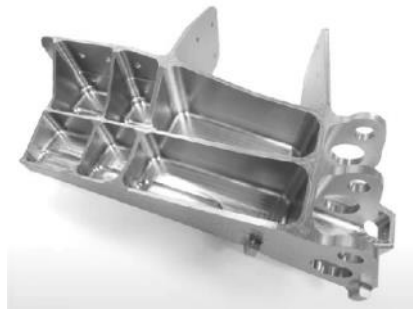
Wear resistance



High performance coatings for improved surface friction coefficient

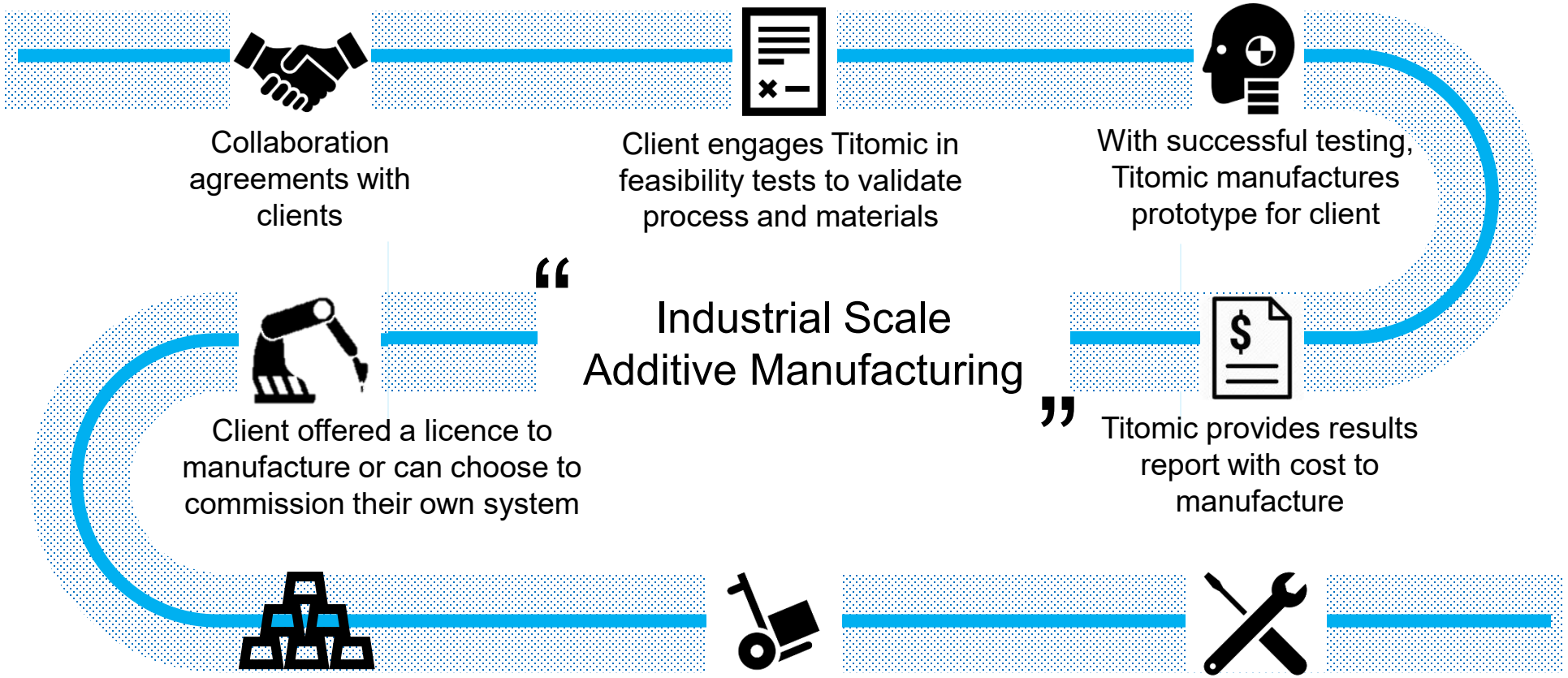
Smart hybrid materials
Reduced buy-to-fly ratio

Near net shape versus billet



TITOMIC
Industrial Scale
Additive Manufacturing

Customer Journey with Titomic



TITOMIC

Target industries

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 + $1.5bn in exports**
   - 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 & Consumer Goods @$33.7bn**
   - Primary target mountain / racing and road bikes worth $11bn pa
   - Golf club market worth $4.7bn pa
   - Luggage (Travel & Business bag) market worth $18bn pa

4. **Marine in Australia @$2bn, in Germany @$5bn**
   - Primary target catamarans / sailboats & full cabin cruisers $2bn pa
   - Secondary target repairs for corrosion resistance, anti-fouling

5. **Mining, Oil & Gas and Power @$7.8bn**
   - Target rail tracks, machinery, tanks, pumps, valves and wind turbines repair and preventative maintenance
   - Industrial & Mining equipment @ $2.1bn in Australia alone

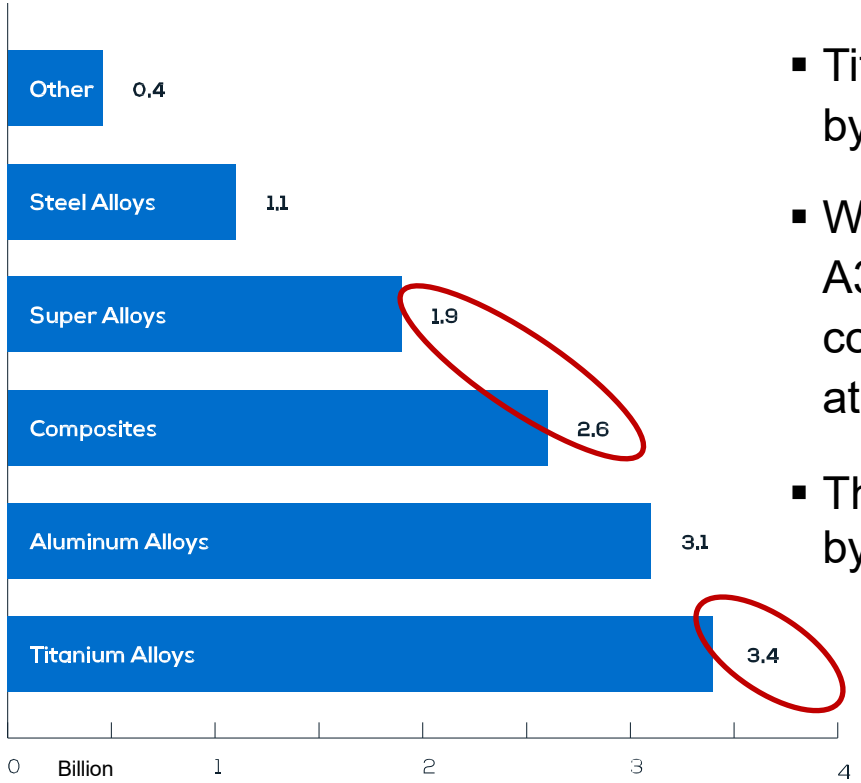
Target industries

5. **Medical equipment and mobility**
   - Targeting lightweight Titanium wheelchairs & mobility devices

6. **Automotive and all Transportation**
   - Targeting car panels and chassis strength to weight ratio and lightness

7. **Commercial & Industrial Building**
   - Targeting lightweight corrosion resistant cladding and maintenance of metal structures

Targeting $8bn out of $12.4 bn Aerospace market



Source: ICF Analysis

- 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

TITOMIC

Defence

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

List by the Stockholm International Peace Research Institute
2017 Fact Sheet (for 2016)[1]
SIPRI Military Expenditure Database[3]

Rank	Country	Spending ($ Bn.)	% of GDP
	World total	**1,686**	**2.2**
1	United States	611.2	3.3
2	China[a]	215.7	1.9
3	Russia	69.2	5.3
4	Saudi Arabia[a][b]	63.7	10
5	India	55.9	2.5
6	France	55.7	2.3
7	United Kingdom	48.3	1.9
8	Japan	46.1	1.0
9	Germany	41.1	1.2
10	South Korea	36.8	2.7
11	Italy	27.9	1.5
12	Australia	24.3	2.0

Rank	Tier 1 target countries	Expenditure $bn	% of GDP
1	United States	611.2	3.3
6	France	55.7	2.3
7	UK	48.3	1.9
9	Germany	41.1	1.2
11	Italy	27.9	1.5
12	Australia	24.3	2.0

Table 6: Summary of key investment decisions from FY 2016–17 to FY 2025-26

Program title	Program Timeframe	*Approximate investment value
Hobart Class Air Warfare Destroyer (3 ships)	Approved	$9.1bn
P-8A Maritime Surveillance and Response Aircraft (8 aircraft) and facilities	Approved	$4.8bn
MH-60R Naval Anti-Submarine Warfare Helicopter (24 helicopters)	Approved	$1.9bn
Additional Maritime Surveillance and Response Aircraft (4 aircraft)	Scheduled for approval†	$1bn–$2bn
Maritime Communications Modernisation	Approved	$410m
Sea Sparrow Missile Upgrade	Approved	$330m
Anzac Class Frigate Electronic Support System Improvement	Approved	$210m
Future Frigate Program – Evaluation	Scheduled for approval†	$100m–$200m
Collins Submarine – Sonar Replacement	Scheduled for approval†	$100m–$200m
Future Submarine Program – Evaluation	Scheduled for approval†	Less than $100m
Offshore Patrol Vessel – Evaluation	Scheduled for approval†	Less than $100m
Future Submarine Program – Design and Construction	2018–2057	>$50bn
Future Frigate Program – Design and Construction	2017–2040	>$30bn
Future Submarine Program – Weapons and Systems	2018–2045	$5bn–$6bn
Destroyer Program – Combat System	2017–2028	$4bn–$5bn
Maritime Anti-Ship Missiles and Deployable Land-based Capability	2018–2037	$4bn–$5bn
Offshore Patrol Vessel – Design and Construction	2016–2033	$3bn–$4bn
Maritime Area Air Defence Weapons Program	2025–2040	$3bn–$4bn
Future Frigate Program – Weapons	2020–2044	$3bn–$4bn

Source : Australian Government DOD 2016 Integrated Investment program

- Targeting the manufacture of large vehicles and defence systems including armaments, armoured land vehicles, naval vessels including submarines, and aircraft & aerospace systems.
- Australia will invest $195 billion over the next decade to upgrade defence capabilities – a large part in naval
- 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

US & Russia exports more than 50% of major arms
Demand for ballistics protection for countries on the rise

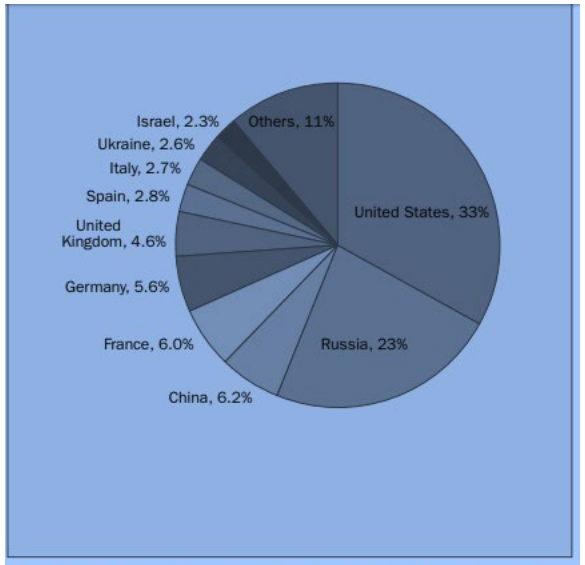


Figure 2. Global share of major arms exports by the 10 largest exporters, 2012–16

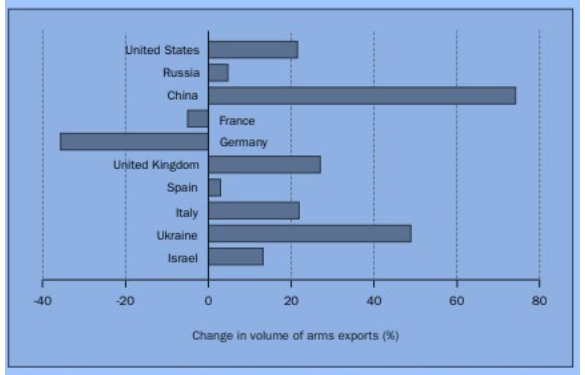


Figure 3. Changes in volume of major arms exports since 2007–11 by the 10 largest exporters in 2012–16

Country	Ballistics protection personnel	Market Estimation
France	110,000	Medium, military budget on the rise
Italy	96,000	Low, special forces expressed need for adaptive solutions
UK	92,760	On the rise, weight concerns
Germany	60,925	On the rise, have not been modernised for a decade
Spain	75,800	Medium, military budget on the rise
US	725,000 + 807,000 Reserve	High for US & Export. Domestic :State Police & Militia have own budget)
Canada	46,2000	Low to Medium, priority budget allocated to Navy and special forces
Turkey	350,000	Medium to High, national policy require partnership and tech sharing
Ukraine	169,000	High, involved in high intensity battle scenarios
Israel	513,000	Low, Strong national capacities & US foreign aid, requires tech sharing.
India	1,100,000	Low, need to be Made in India for major deals
Malaysia	80,000	Low to Medium (Police and domestic forces buy latest equipment)
Singapore	71,600	Medium, Incentive for innovation + request for lighter protection
Vietnam	482,000	Low to Medium, China not perceived as reliable partner
Indonesia	277,000	Low to Medium, not a priority for government
Thailand	210,000	Medium to High
Australia	26,200	Medium, local companies preferred demand for drones & IED protection

Source : Stockholm International Peace Research Institute

Targeting 1% of bike market is approx. US$57m

- With an estimated production of 14.3m CFRP frames by 2021,CFRP is not seen as a continued threat. Capturing only 1% of the market at 143,000 frames by 2021 indicates an OEM market value of approximately $57,000,000 @ USD$400 per frame and Global RRP of USD $3500 per frame.

- This capacity would see the need for approximately 20 production lines. Some would be installed by Titomic to meet both tube and custom frame demand but most would be supplied to OEM's or their tier 1 suppliers to make frames, realising a further boost to the Victorian economy of $70M based on 20 machines sales over 3 year period @ AUD $3.5m per machine.

- Consumable/Powder sales 100,000kg per year @ $120 per kg of powder $12million per year.

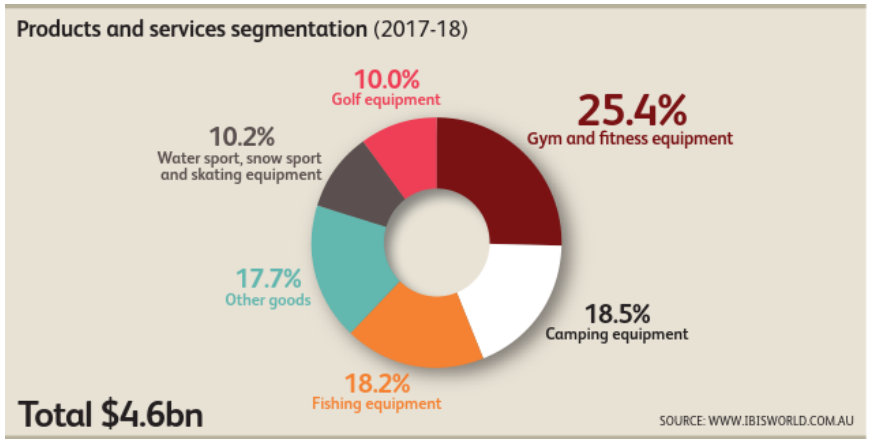
Sporting and Consumer Goods

Australian Market for Golf equipment worth $460m pa
(Figure 1) IbisWorld, G4241, 2018

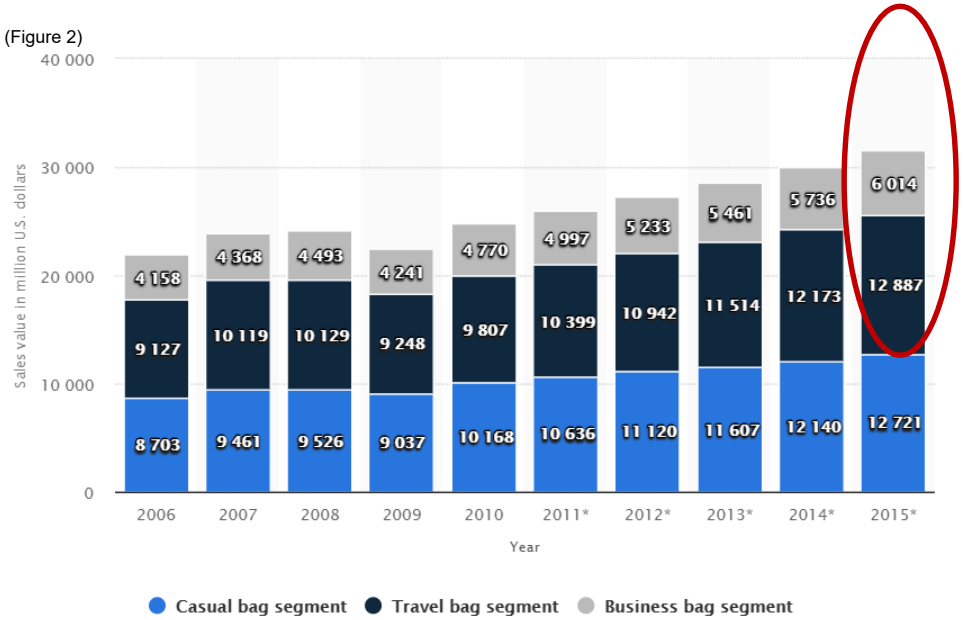
Global manufacturing market for Golf Clubs worth $4.7 billion in 2015.
Honma Golf Limited, 2017

Global Luggage (Travel & Business bag) Market - $18 billion
(Figure 2) Statista, Retail sales value of the global luggage market from 2006 to 2015, by segment

(Figure 1)



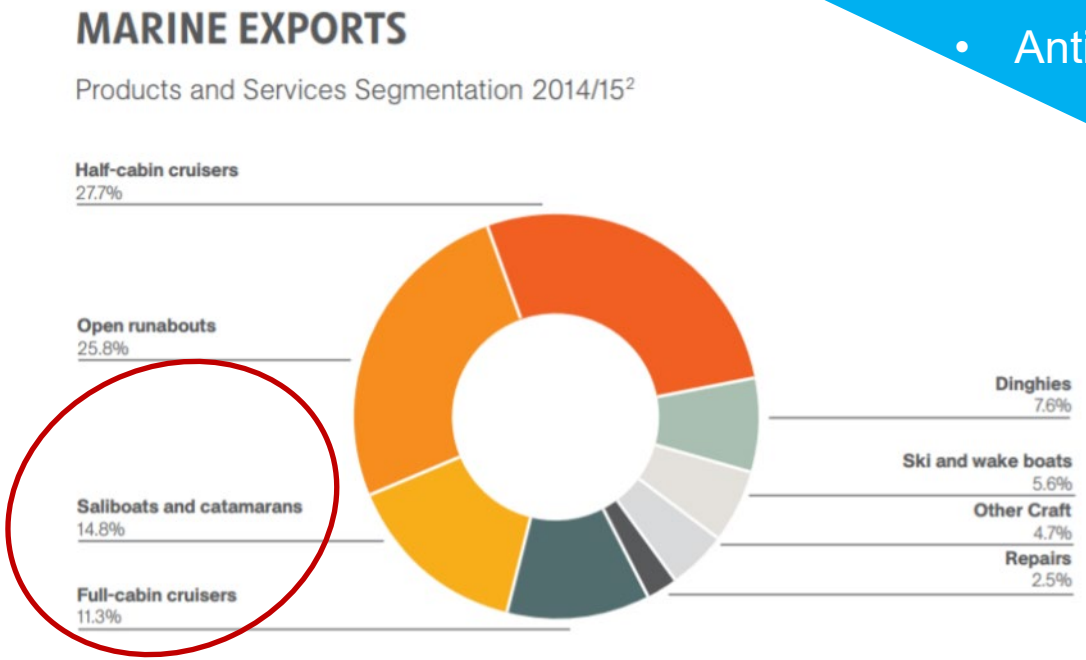
(Figure 2)

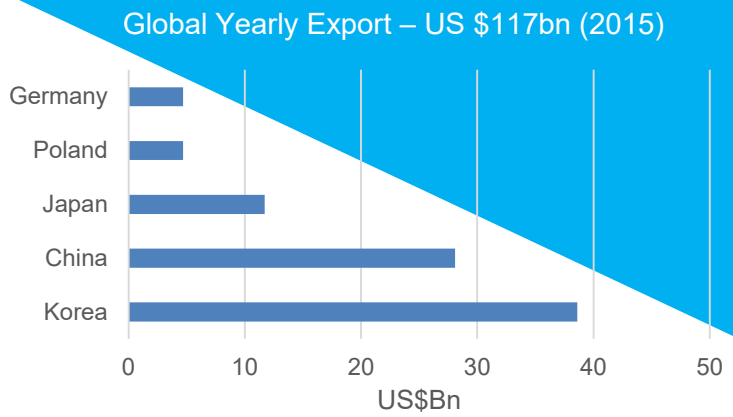


Marine

Titomic's key marine capabilities include:

- Large seamless fuselage
- High strength to density ratio structures
- Corrosion resistance
- Anti-fouling



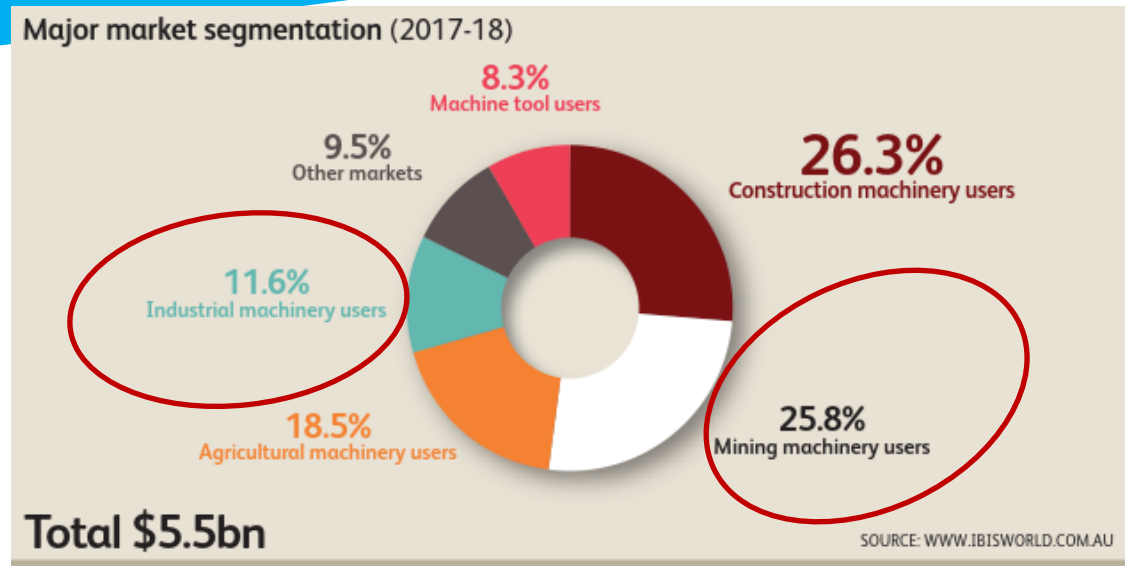


The Australian marine industry includes shipbuilding and boatbuilding and repair, marine equipment manufacturing, and marina operations with $1.7bn added to the Australian economy and an annual export market of $575m[2]

Source : [1]Boating Industries Alliance Association 2014 [2]ABS, Australian Industry 2014-15, OECD ANBERD database.

Source: Duke GVC Center, 2017, Korea and the Shipbuilding Global Value Chain

Mining, Oil & Gas, Power



Industrial & mining machine manufacture & repair
Target Market @ $2.1 billion (Australia alone)

Australia Metal Ore Mining @ $220bn
i.e machinery construction and maintenance ~$2.9bn pa

Australia Oil & Gas @ $46bn
i.e. storage tank maintenance and production ~ $1.95bn

Australia Electricity Infrastructure Construction @ $8bn
i.e wind-farm construction ~ $1.6bn pa

Source: IBIS World, 2017

TITOMIC

Tubing market in Resources

- titanium pipes in desalination plants are used to eliminate tube failure from corrosion or erosion throughout expected life of the plant.
- One of the largest MSF desalination plants was completed in 2014, Saudi Arabia, and required 6,000,000 kg of titanium tubing [1] worth US$450M according to industry estimates
- In 2017, 400 new desalination plants were installed globally [2]
- Neotiss, a tubing company, will deliver ~10,000km of titanium tubes for large scale desalination plants over 2016 and 2017 [3]
- Desalination market uses welded tube not seamless, can be produced very quickly from strip. AM process need to be cheaper and faster to manufacture to replace existing process.
- The process to strip Ti is 3-4 processes less than making bar for feed to atomisation. Only area would be for fast turnaround onsite. Currently speed for AM tube is slower than strip to welded tube
- Opportunity : seamless tubes for heat exchangers in chemical / petrochemical plants

Source:
1 https://titanium.org/page/TTIndustryQ120132?
2 Global Desalination Market Continues to Grow
3 http://www.neotiss.com/media-neotiss/news/53-more-than-10-000-km-of-titanium-tubes-for-facility-d-desalination-plant)

Announced projects status

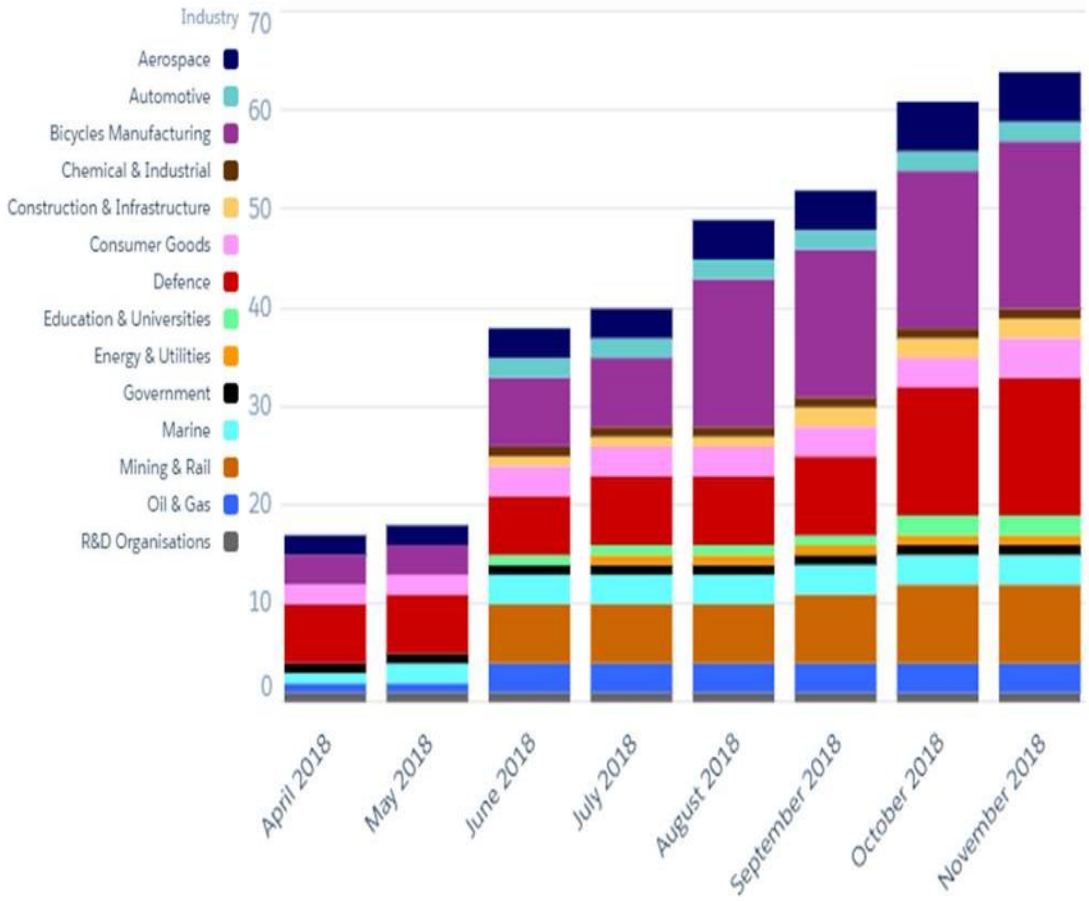
MOU → Material Testing Agreement → Concept & Design Development → Manufacture Prototype → Testing → Contract Manufacture → Manufacturing process design → TKF System Sale → Powders & Consumers

Industry	Company	Current status	Next phase
	Callidus	Phase 1 proof of concept completed, pending mechanical tests	Customer budget cuts, on hold
	TREK	Phase 1 proof of concept completed. Phase 2 initiated fabricating 5 frames and testing of frames to standards	Produce 150 frames for Trek to do road & destructive testings
	Callaway	Phase 1 proof of concept initiated	Client to complete material verification tests
	FINCANTIERI	Phase I proof of concept completed pending mechanical tests.	Client to complete material verification tests
	SWINBURNE UNIVERSITY OF TECHNOLOGY; ANSTO	Finalised 3x topics for research project : TKF Optimisation, Heterogenous materials and Microstructures	To commence in 2019
	TAUV	Phase 1 proof of concept completed. Phase 2 outlining specific products initiated.	Upon phase 2 signing, commence feasibility study
	imcrc; RMIT UNIVERSITY; CSIRO	Multiple materials selected for project leading to development of new AM standards for Aerospace & Defence	Lab testing for physical and chemical properties

TITOMIC

Qualified opportunities & other projects update

Count of opportunities by industries



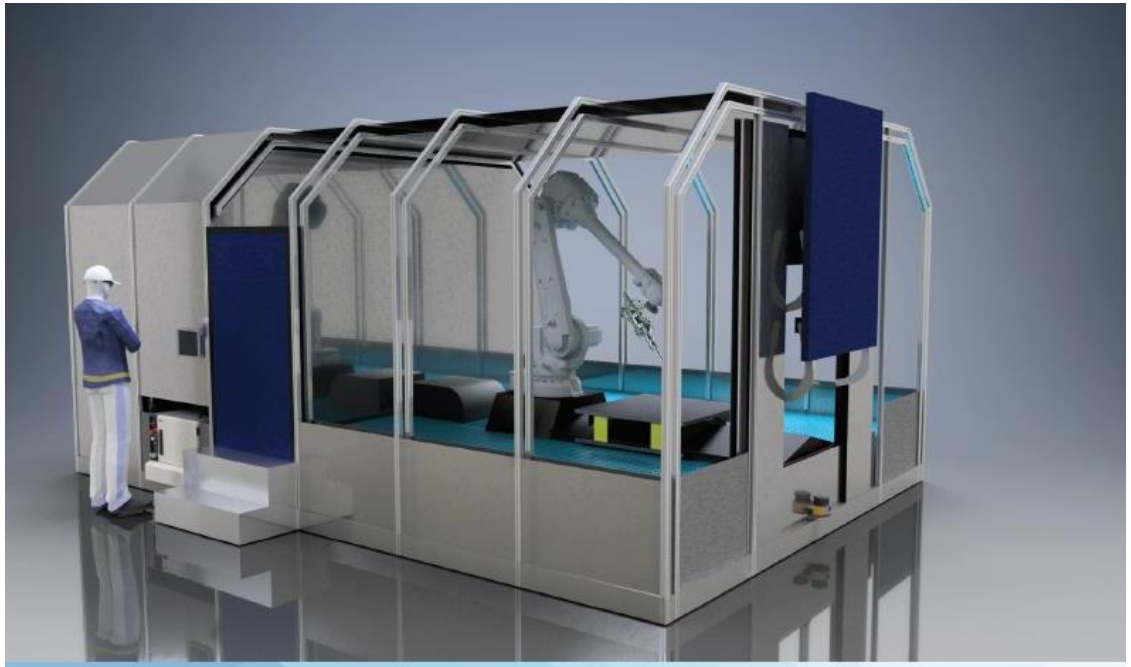
Industries	Company types	Project progress
Sports	Bike & components	7 companies' scope of work finalised, pending client agreement
Consumer Goods	Luxury luggage	Scope of work finished, pending agreement for proof of concept
Aerospace	OEM + suppliers	3 scope of works moving towards agreement for proof of concept
Resources	Mining, Oil & Gas & Industrial	3 projects pending phase 1 proof of concept agreement
Defence	OEM + suppliers	6 projects pending phase 1 proof of concept agreement 2 projects pending R&D agreement
Automotive	OEMs + suppliers	Phase 1 proof of concept work in progress
Building	OEMs + suppliers	Current project pending scope of work finalisation
Medical	OEMs + suppliers	Initiated discussion with top tier wheelchair manufacturer
Academia	R&D orgs / Universities	2 projects in various stages of contract negotiations
Governments	Government depts / orgs	2 current discussions which are at various stages of progress.

Source : TTT CRM

TITOMIC

TKF 1000 Multi metal 3D Printer

- **1m long 1m wide 0.7 m high build plate**
- **Build volume of 0.7 m^3**
- **Rapid part change bild table**
- **Can spray multi metal powder in one part**
- Titomic TKF 1000 is the latest offering to various industry and research centres that enables multi metal powders to be used in one 3D part build.
- The TKF1000 allows next generation R&D for super alloys, heterogeneous metals and metal composite compounds to be trialled and tested utilising the Titomic Kinetic Fusion process.



The TKF 1000 is the new and agile Titomic Kinetic Fusion system, engineered for small-scale production and R&D for all industries, academia and research organisations.

TITOMIC

Securing powder global supply chain

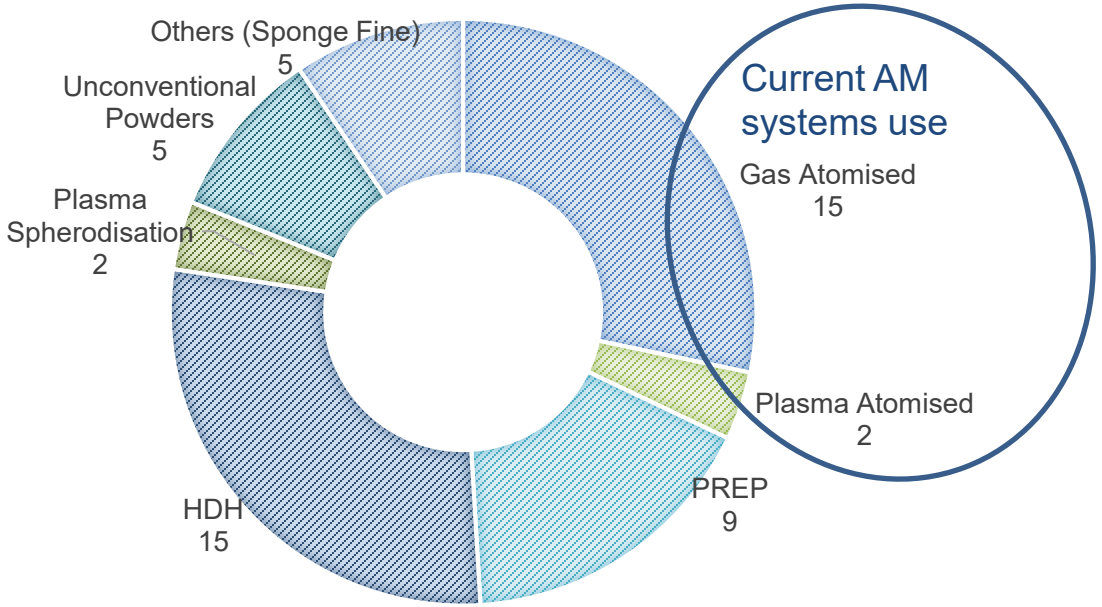
- Setting up the complete AM supply chain is essential for customer deliveries
- As titanium used for military applications, it is considered a restricted or regulated material in most countries
- After an global survey of 70+ suppliers, TTT has secured multiple global suppliers for quality control and continuity of powder supply

- TTT will develop new industry Additive Manufacturing standards for Aerospace and Defence to be accepted by FAA, DoD and NASA

- Titanium metal powder comes in various forms, TTT is able to use lower grade irregular titanium powder
- Existing additive manufacturing systems cannot utilise these unrefined powders and require spherical more expensive powder
- Customers who choose to use their own powder supply will void their TKF system warranties.

10+ TTT SUPPLIER POWDER PRODUCER COUNTRIES

TYPES OF POWDERS & NUMBER OF TTT SUPPLIERS



TITOMIC

Investment Highlights

- Titomic Kinetic Fusion™ is the first industrial scale additive manufacturing process for metal products
- International patented process fronted by CSIRO
- Ongoing acquisition of IP to strengthen capabilities in various target industries
- Secured continuous global supply of high quality metal powders
- Developing new industry standards for Aerospace & defence industries to be recognised by FAA, DoD and NASA
- Broad number of R&D projects leading to machine sales with applications across a diverse range of industries
- Highly experienced advanced manufacturing team, with a focus on customer service

Future Milestones

- OHS & ISO9001 quality management system implementation to be completed in FY2019
- Integrated IT infrastructure to support organisational connectivity and client system support
- Product development of 2 new systems with broader market segments
- Continue to generate client pipeline with a focus on presence at global trade shows

Titomic

Industrial Scale Additive Manufacturing

Contact

Investor Centre
titomic.com/investors-press.html

Computershare Registry
+613 9415 4310

Jeff Lang
Managing Director
jeff@titomic.com

Investor Relations
Mich Mak
GM, Investor Relations
mich.m@titomic.com
+614 2261 0308

Peter Vaughan
Company Secretary & CFO
peter.v@titomic.com
+614 0371 1233

www.titomic.com

Connect with Titomic:

The <u>smarter</u> manufacturing process

- Industry leading deposition speeds
- Does not melt metal, eliminates oxidation issues; no inert environment, combustion fuels or plasma required
- No thermal distortion as with laser and electron beam AM
- Characteristics include no phase change, low porosity, good bonding strength, compressive residual stress
- Possible to deposit on thermally sensitive substrates
- Most viable process to fuse dissimilar metals for improved properties such as corrosion and erosion resistance
- Can use both irregular and spherical morphology metal powder
- Can create superalloys and heterogenous materials

Since TTT IPO



2010
Kinetic Fusion Process developed with CSIRO

Nov'16
$2.6M Seed cap raise

Sep'17
$6.5M ASX IPO listing

Oct'17
Best Maritime Innovation

Dec'17
Callidus collaboration

Feb'18
Team Defence at SG airshow

May'18
Melbourne facility commissioned

May'18
Callaway Golf collaboration

Aug'18
Titomic partner in Research Training centre grant

Oct'18
$2.6M research project for TKF Standards


Oct'18
TTT HQ expanded to 2nd VIC office

Feb'16
Global commercial license w/ CSIRO

Feb'17
Kinetic Fusion systems ordered

Sep'17
US Patent granted

Nov'17
Robotics & spray heads arrived

Dec'17
Multinational bike collaboration

Jan'18
Australian Patent granted

Apr'18
$12M cap raise

Jun'18
Material Testing w/ Fincanteri

Jul'18
Exhibited at Eurobike Germany

Sep'18
TAUV prototype at Land Forces

Oct'18
Signs $1.8M TAUV Defence MoU

Nov'18
Exhibited at Formnext Germany

China Patent granted

Team Defence Australia at Eurosatory Paris






TITOMIC

The Titomic team is growing

Trent Mackenzie
Aerospace & Resources

Mich Mak
Investor Relations

Peter Teschner
Bikes Division

Brian Tuohy
OHS &Safety

Chris Ward
EA & Administration

Ben Andrews
Marketing

Elias Baini
Sales

Angela McGinness
Administration

Beau Lang
Procurement

Gloria Hildebrandt
Project Management

Jayesh Modi
Technology

Khanh Nguyen
Accounts

Amit Rathi
Robotics

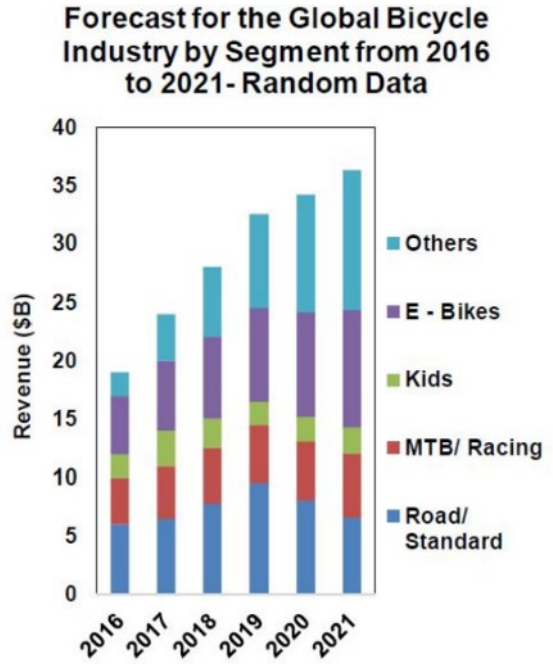
Phil Fournier
Workshop

Glenn Cousins
Production

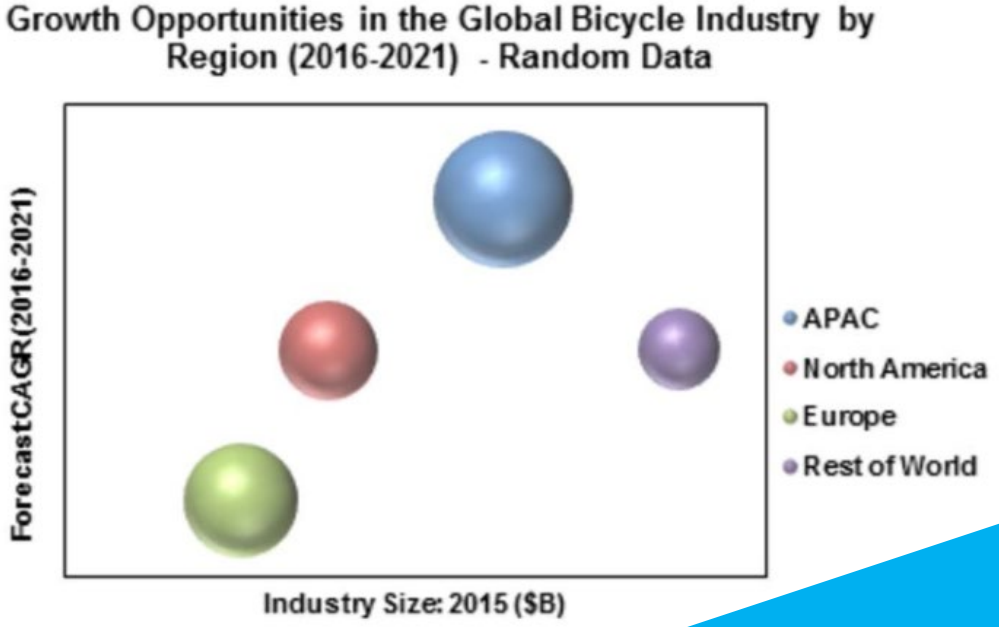
Meng Khim
Production

TITOMIC

Targeting $11bn out of $24bn Bike market



Source: Lucintel



Global Bicycle market expected to reach $62 billion by 2024

Source: Lucintel

Titomic is in the process of producing a fully monocoque Titanium bike frame.

TITOMIC