

# DRIVING INNOVATION, SECURING THE FUTURE

FY2025 RESULTS PRESENTATION

28 AUGUST 2025



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#### General

In this Presentation references to 'Titomic Group', 'the Group', 'we', 'us' and 'our' are to Titomic Group and (where applicable) its controlled subsidiaries and entities.

All dollar values are in Australian dollars (A\$) unless noted. A number of figures, amounts, percentages, estimates, calculations of value and fractions in this presentation are subject to the effect of rounding. Accordingly, the actual calculation of these figures may differ from the figures set out in this presentation.

### Who is Titomic?

Titomic is leading the future of aerospace and defense manufacturing as well as coating and repair solutions through its world leading cold spray technology

#### Titomic is a leader in the global shift toward localised, high-efficiency production

- Titomic Kinetic Fusion® (TKF) is our proprietary cold spray technology
- Unlike traditional manufacturing methods, TKF allows for the rapid fabrication and repair of complex structures without melting the materials
- Ensures stronger, more durable parts for aerospace. defense, and industrial applications



#### Global expansion to meet United States (U.S.) onshoring demand and global growth opportunities



**Netherlands Facility** Akkrum, The Netherlands

US\$5B1

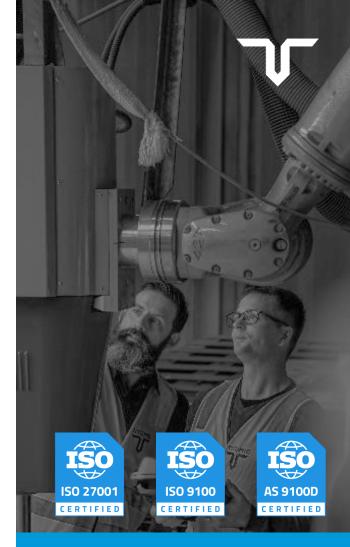
Serviceable addressable market expanded

Huntsville: Modern, 59,000 sq. ft. facility in prime location

**Netherlands:** Brand new facility

Australia: Modern, functioning incubator facility





Titomic Limited proudly supports over 100 leading companies throughout aerospace, defense, oil & gas, transport, and energy







AIRBUS BAE SYSTEMS REPKON Triton Systems

### Investment highlights





# Strategic plan on-track – targeting US\$750M revenue by 2030

- Successful pivot from machine sales to high-margin production/services
- Jun-25 commissioning of U.S. Headquarters (HQ) and 59,000 sq. ft factory in Huntsville, Alabama
- Strong and accelerating commercial engagements with Tier 1 organizations



#### Favourable tailwinds & expanding market opportunities

- U.S. Budget approval of US\$1T+ in defense spending for FY2026
- European Union's (EU) defense investment to reach €800B by 2030
- Global thematics accelerating adoption of Titomic's services



#### Titomic has a unique competitive advantage

- Unique solutions, market leader
- Localised production capability & global footprint
- Ability to move rapidly from prototype to production at scale



#### Multiple sources of additional funding

- Secured €800k funding via the Dutch Ministry of Economic Affairs' 3D Print Kompas (3D PK) program
- Ongoing pursuit of loans from U.S. Government agencies
- Ongoing pursuit of grant funding from Australian Industry Growth Program (IGP)



#### Experienced leadership and senior advisory team with broad expertise

- Management team and advisory board assembled with broad industry expertise and access to key touchpoints across core growth sectors
- U.S. Strategic Advisory Group established to the support the Company's growth in the U.S. through access to critical industries



#### Proven track record of executing on company strategy

- Have successfully executed strategy since October 2024 raise
- Titomic is positioned to capitalise on favourable market dynamics









# 1 Strategic plan on-track – targeting US\$750M revenue by 2030





**Boeing:** in final phase of Research & Development (R&D) with next step being qualification and opportunity for Enterprise Process integration

**Northrop Grumman:** Missile chamber delivery and demonstration in 0325

Manufactured of 60kg seamless missile warhead and demonstration defense parts up to 175kg, underscoring capability

Tier 1 Engagement: in active negotiation, with Non-Disclosure Agreements (NDAs) signed with leading U.S. defense primes

Multiple applications for TKF commercially validated



NORTHROP—





Airbus: currently in qualification moving to pilot launch in Q425 with global MRO rollout potential of 40 owned and 400+ affiliate MRO sites

Lufthansa: utilizing D523 with further orders anticipated

EPCOR (KLM/Air France): utilizing Integrated Spray Booths (ISB) system with further orders anticipated







Woodside Energy (via Monadelphous): D523 leased and tested, D623 planned lease and to be onsite for testing Q325

Equinor / Aibel / EFFEE: oil rig corrosion and components trials











**United States Army Corps of Engineers** (USACE): successful field demonstration completed Jun-25, repair scope scaling

Naval Sea Systems Command (NAVSEA) & **Penn State:** equipped with Titomic systems for ship repair

Det Norske Veritas (DNV): TKF maritime qualification for global standard underway

National Aeronautics and Space Administration (NASA) co-operation agreement

Signed additional confidential Government contracts









# 2 Favourable tailwinds & expanding market opportunities



Scaling across high-growth strategic sectors, driven by rising commercial demand

Serviceable addressable market expanded

KEY SECTORS	DESCRIPTION	CAGR	MARKET SIZE	KEY PROGRAMS / OPPORTUNITIES
Defense	Substituting casting/forging, hypersonic shielding/missile components, munitions, launcher systems & emerging space applications	6-7%	~US\$2.25B	Boeing, Northrop Grumman, Lockheed, USACE, National Atlantic Treaty Organization ( <b>NATO</b> ), EU ramp-up, Defense Science and Technology Group ( <b>DSTG</b> ), Thales, Collins, AUKUS
Aviation MRO	Spare parts, non flight critical components	4.8%	~US\$900M	Airbus MRO
Oil & Gas	Non thermal offshore infrastructure repair, pipeline systems, corrosion protection for rigs and refineries	9.4%	~US\$900M	Equinor, Aibel, Woodside
Maritime Repair	Corrosion repair, equipment repair	5.4%	~US\$700M	NAVSEA
Semiconductor	Enhanced conductive/inductive coatings	6.3%	~US\$200M	A top-tier lithography and semiconductor manufacturing equipment company
Transportation & Industrial	Shaft and other equipment repair, coatings	5.0%	~US\$60M	Metro Trains Melbourne, other global transport operators

Source: Stockholm International Peace Research Institute global military expenditure growth 2020-2024, Grand View Research, Aircraft MRO Market Size Share and Trends Analysis Report 2025-2030, DoD FY2025 Budget Justification; CSAM integration workshops (NASA-MSFC, LM Labs), DoD Additive Manufacturing Strategy (2021); OSC and DPA Title III Notices (2023-2025), GAO-23-106200: "Defense Industrial Base" (Dec 2023), NAVSEA Field Report (2022-2024); DEVCOM-Titomic CRADA Summary (2025), Dutch MOD Innovation Briefing (2024); DSTG CSAM Evaluation (2023), Market Research Future, DataIntelo Global O&G AM, Growth Market Reports, Straits Research, GM Insights, Markets and Markets: Additive Manufacturing in Rail, Allied Market Research: Industraila Repair Coatings, Cold Spray Repair Trials - BNSF Railway (US), GM Insights: Cold Spray Coatings Market, U.S. Department of Energy: Advance Manufacturing Office Report, Cold Spray Technical Review - Aerospace & Industrial Use Cases, Sandia National Labs.



# 2 Favourable tailwinds & expanding market opportunities *(cont'd)*



Innovative solutions across critical industries, supported by global defense budgets







GOVERNMENT DEPARTMENT	ESTIMATED BUDGET	NOTES
U.S. Department of Defense (DoD) – Sustainment Ops	US\$150B+ per annum	Supports depot repairs modernization, MRO
U.S. DoD – Research, Development, Test & Evaluation	US\$130B+ per annum	Expanded funding for Additive Manufacturing ( <b>AM</b> ) sector
NATO Defense Budget	€280B+ per annum	Applies to AM, MRO, and logistics upgrades
European Defense Fund & Innovation Funds	~€8B over 2021–27	Prioritizes additive and non- thermal repairs
Australia (AUKUS-linked)	US\$270B over 10 years	DSTG & Thales support Cold Spray AM R&D

#### COLD SPRAY ADDITIVE MANUFACTURING (COLD SPRAY AM) **ADVANTAGE**

- In field repair: No heat-affected zones, no post-processing
- High uptime & readiness: Minimal downtime vs. welding or casting and competitors
- Non-thermal AM strategy: Safe for sensitive components (Directed Energy Weapons (DEW), hypersonics)
- Corrosion & battlefield repair: Proven value in maritime, energy, aviation
- NATO interoperability: Deployable, mobile, not International Traffic in Arms Regulation restricted
- Flexible production and service: Supports onshoring and in-field solutions
- Acceleration of Cold Spray AM technology adoption: Technology is being increasingly adopted by end users

# 3 Titomic has a unique competitive advantage



Team of skilled engineers with deep knowledge in cold spray technology



Secured U.S. domestic titanium supply



Dedicated leadership, sales and engineering teams with deep defense, aerospace and energy sector expertise



Continuous innovation, product offerings and complementary technology



Global infrastructure delivering products & services to the U.S., Europe and Australia



New revenue opportunities through expanded user areas



# 4 Multiple sources of additional funding

- Netherlands, €800k R&D grant: Dutch Ministry of Economic Affairs' 3D PK project supporting Cold Spray AM process development (secured and active)
- U.S. US\$24M Office of Strategic Capital (OSC) loan: Loan via The OSC to provide further U.S. expansion and production readiness funding (application in process)
- U.S. Federal incentives:
  - Defense Production Act (DPA) Title III Strategic materials and manufacturing support (application imminent)
  - Small Business Innovation Research (SBIR) / Small Business Technology Transfer Programs
     R&D and commercialization grants (application imminent)
  - Berry Amendment Priority procurement for compliant production
- Australia, A\$5M IGP: Targeting a manufacturing scale-up and sovereign capability via the IGP which is supporting the priority areas of the Australian Government's National Reconstruction Fund linked to defense and energy sectors (in progress)
- Select long-lead manufacturing programmes supported by dedicated capital expenditure and focused expansion initiatives





# (5) Experienced leadership and senior advisory team with broad expertise



#### **BOARD OF DIRECTORS**



Dag W.R. Stromme Executive Chairman



Hon. Mira Ricardel Non-Executive Director



**Humphrey Nolan** Non-Executive Director



Dr. Andreas Schwer Non-Executive Director



Lt. Gen (Ret.) John Frewen AO, DSC Non-Executive Director

#### **LEADERSHIP TEAM**



Jim Simpson CEO / Managing Director



**Geoff Hollis** CFO & Company Secretary



Dr. Patti Dare President, USA

Michael Rochford



Sarah Neeley COO USA



Klaas Rozema President - Europe



Kirk Pysher Senior Vice President - Manufacturing and Production

#### **SENIOR ADVISORY TEAM**



**Chris Myers** President, Global Resource Advisors; Former Vice President, Lockheed Martin: former U.S. Naval Officer



Michael Kirkpatrick Chairman of DESE Research, Inc., Huntsville, Alabama



Lt. Gen (Ret.) Henry 'Trey' Obering Retired U.S. Air Force senior acquisition leader; Former Director of the U.S. Missile Defense

Agency; former executive at Booz

Allen Hamilton



LTC (Ret.) Rich Choppa President DellaCioppa Inc.: Former Senior Director for Business Development, Boeing Defense; Retired U.S. Army Ranger



John P. Stopher (PhD) Former Principal Assistant to the Secretary of the Air Force for Space; former Budget Director on the U.S. House Special Select Committee on Intelligence



John Schumacher Former NASA Chief of Staff and Vice President at Aerojet Rocketdyne



# 6 Proven track record of executing on company strategy



#### Progress since October 2024 fundraising

- Validated by Tier 1 primes: Commercial traction established through active engagements and signed NDAs with leading U.S. defense primes, including Boeing, Northrop Grumman, Airbus, and NASA
- Established U.S. HQ and global footprint: Commissioning of facility in Huntsville, Alabama, U.S., completed in Jun-25 and European site is on track to open in Sep-25
- Secured Government and regulatory support: Soft funding and favourable policy backing across U.S. and European channels, positioning the company for future grant and funding opportunities

- Leadership team enhanced: Key appointments to core management team and advisory group formed with sector veterans offering deep expertise and access to key decision-makers
- Successful strategic pivot: Transition to a highmargin services and recurring revenue model successfully executed, supporting long-term margin expansion and revenue visibility
  - Technology maturity and recognition: TKF is gaining traction as a genuine and attractive commercial alternative to traditional manufacturing processes

# Development



# **Delivery**

More than commercial momentum – reflects strategic alignment between what the market is demanding, what global conditions are reinforcing, and what we are uniquely equipped to deliver

# A\$50M equity raising completed in July 2025



Offer proceeds will be used to accelerate Titomic's expansion through to target cashflow breakeven during 2027



Technical hires to support production ramp-up

 Expansion of the Huntsville and Europe facility require additional engineers and technical staff to execute a strategic plan



Facility and equipment expansion

- Expansion of facility in Europe to facilitate further engagement
- Completion of the Huntsville facility
- Additional TKF3250s across the next 12 months.



Certification acceleration and R&D

 Allowance for potential collaborations and anticipated costs of internal R&D programs

SOURCES OF FUNDS	A\$M
Cash balance (as at 30-Jun-25)	9
Proceeds from Placement	50
Total Sources	59

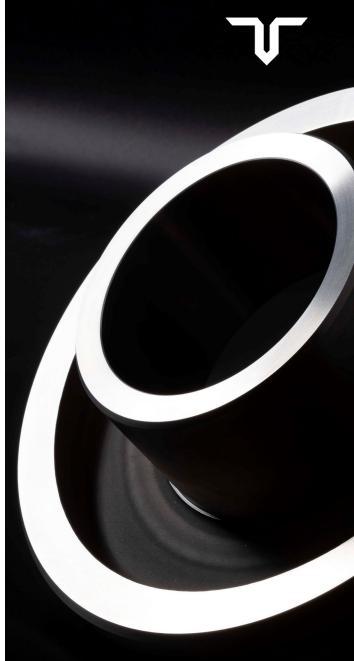
USES OF FUNDS	A\$M
Technical hires to support production ramp-up	3
New equipment and facility improvements	7
Certification acceleration and R&D	4
Business development (hires and marketing)	3
Working capital	16
Capital reserve for new opportunities and development initiatives	26
Total Uses	59



# **APPENDIX**

# **Near-term catalysts**

CATALYST	TIMING
Various R&D and commercial announcements in military and space	Q3 / Q4 25
Northrop Grumman demonstration	Sep 25
Woodside Energy / Monadelphous D623 lease and testing	Q3 / Q4 25
Airbus pilot	Q4 25
Initial project, Tier 1 Prime	Q4 25
DNV certification for Oil & Gas / Maritime	Q4 25
Certification, U.S. aerospace	Q1 26
Equinor, USACE	Q4 25 / Q1 26
Boeing production	Q4 26



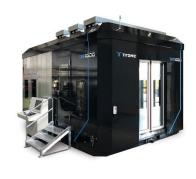
# Offering diverse, versatile cold spray systems



Titomic offers the world's largest and most diverse product line of cold spray systems, offering novel capabilities for many industries, including systems for handheld coatings and repairs, all the way through to advanced additive manufacturing for aerospace and defense











TKF 3250

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Coatings, repairs, and secondary manufacturing operations

Integrated robotics, extraction, and operating system

INTEGRATED SPRAY BOOTHS

Robotic or linear coating system

Automated loading and unloading of parts

#### **TKF1000**

#### **TKF CUSTOM**

High pressure AM and coatings

Demonstration of Titomic's ability to engineer and construct bespoke AM systems

31.5 cubic meter build envelope

High pressure AM and coatings

Optimised for spherical and rotational builds - ideal for aerospace

Builds parts 3.25 metres in length 5.7 cubic metre build envelope

Deployed in the Titomic Melbourne **Production Bureau** 

Titomic's most advanced system, currently in use in aerospace and defense projects

Low and medium pressure cold

spray

Handheld or robot-mounted for repeatable coatings & secondary operations

Deployable for in-field repairs

Modular, portable repair system

High pressure AM and coatings

Designed for prototyping and production tasks

1 cubic meter build envelope

2<sup>nd</sup> generation systems installed at Titomic and The Welding Institute (TWI) United Kingdom (UK) with installation to be made at OMIC **R&D** and Tritton Systems

Low and medium pressure

High pressure

### Attractive business model



#### Titomic is pivoting toward services & recurring revenue

- Manufacturing, leasing and services: Full service offering of low, medium and high-pressure cold spray solutions
- Powder supply: Certified cold spray materials
- Training & technical support: 24-hour help desk & expertise
- Co-production partnerships: High-value manufacturing collaborations
- Defense & aerospace contracts: Expanding sustainment deals
- Ongoing research collaboration: Machine sales and partnerships with universities & research centers



**TKF1000** 



Titomic Huntsville Facility (Alabama, USA)



**TKF 3250** 

# Pathway to US\$750M revenue by 2030



#### FY25 | Demonstration & Validation

- ✓ Northrop: missile chamber and warhead demo (Q3/Q4)
- ✓ Airbus MRO pilot and Lufthansa system orders
- ✓ D623 field deployment with Woodside; USACE repair completed

#### FY26 | Initial Production & Rollouts

- ✓ Boeing production qualification pathway initiated
- ✓ NAVSEA, NASA, DEVCOM formal collaborations underway
- ✓ Oil & Gas D623 lease deployments across APAC/EU/US

#### FY27 | Rapid Expansion Phase

- ✓ Tier 1 primes begin low-rate initial production (LRIP)
- ✓ Oil rig coating and pipe corrosion programs fully operational
- ✓ Full-year MRO and energy sector revenue ramp begins

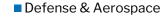
#### FY28 | Multi-Sector Penetration

- ✓ U.S. defense production contracts from Boeing, Lockheed, Kratos
- ✓ Full deployment across NAVSEA & USACE fleet assets
- ✓ First rollout of portable Cold Spray AM platforms to NATO partners

#### FY29 | Scale & Strategic Positioning

- ✓ Major primes and agencies using Titomic systems at scale
- ✓ APAC and NATO defense programs fully mature

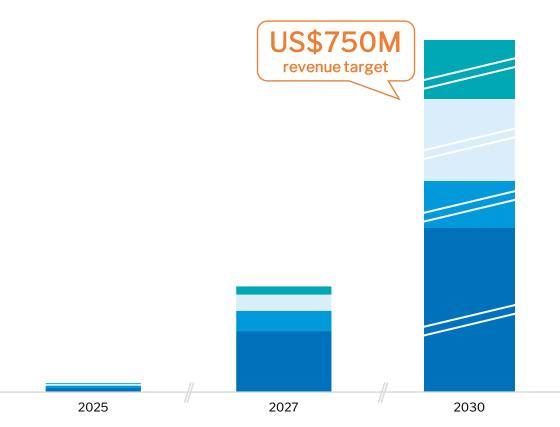
#### REVENUE BY BUSINESS SEGMENT<sup>1</sup>



Oil & Gas & Maritime



■ Machine Sales & Other



Positioned as the global leader in non-thermal additive systems

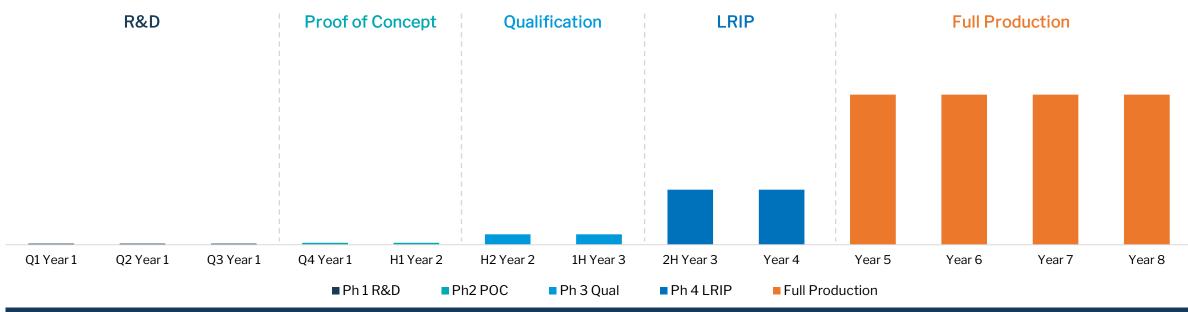
# Illustrative program revenue profile



#### DEFENSE / AEROSPACE TIER 1 PRIME

Staged development and manufacturing program<sup>1</sup>

Illustrative revenue



TIMING	ILLUSTRATIVE FEES	STAGE	NOTES
Year 1	US\$100k - US\$500k	Material evaluation	R&D
Year 2	US\$500k - US\$1M	Pre-qualification / qualification	Prototype / repeatability
Year 3	US\$2M - US\$5M	LRIP	
Years 3 – 7	US\$20M+ per annum	Full production	

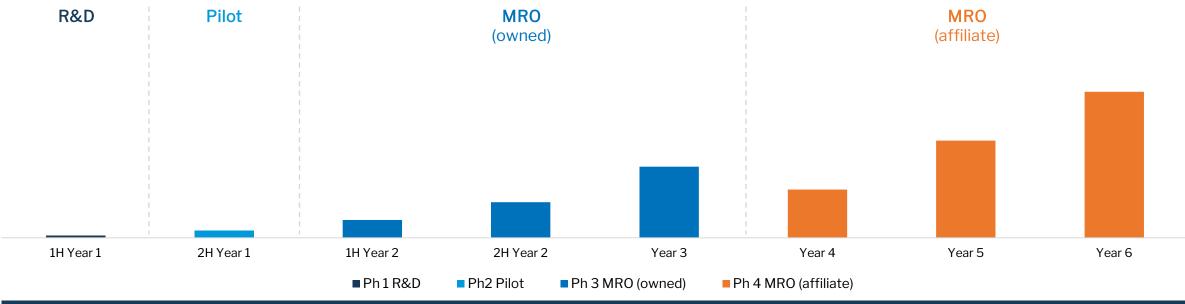
# Illustrative program revenue profile



#### **MRO OPPORTUNITY**

Coating and repair roll-out to multi-national adopting Titomic D-Series systems with significant MRO network<sup>1</sup>

Illustrative revenue



TIMING	ILLUSTRATIVE FEES	STAGE	NOTES
Year 1	US\$600k - US\$800k	Pilot	R&D
Year 2	US\$1M - US\$1.5M	Pilot / MRO (owned)	Prototype / repeatability
Year 3	US\$3M - US\$5M	MRO (owned) / MRO (affliate)	
Years 3 – 7	US\$5M+ per annum	Ongoing MRO roll-out	

### Defense market opportunity





**DEFENSE BUDGET: US\$850B+ ANNUALLY** 

**REVENUE POTENTIAL: US\$300M-US\$500M** 

#### STRATEGIC ADVANTAGES

Huntsville, Alabama location means proximity to Army, NASA, Missile Defense Agency, and defense primes

Positioned to benefit from U.S. policy and funding support (OSC loan, Title III, SBIR)

#### ADDRESSABLE MARKET

US\$1.0B-US\$1.5B



Munitions



**Hypersonics** 



Launchers



**Satellites** 

#### **TARGET SEGMENTS**

Sustainment

Repair

Corrosion Mitigation Hypersonic Systems



### UK / Europe

**DEFENSE BUDGET: US\$600B+ ANNUALLY** 

**REVENUE POTENTIAL: US\$100M** 

ADDRESSABLE MARKET: US\$200M -US\$400M, 5 YEARS

#### STRATEGIC ADVANTAGES

Direct fit with NATO defense recovery, EU-US collaboration, access to soft funding, and NATO supply chains

Dutch facility expansion (25,000 sq ft) supports EU realignment

#### STRATEGIC PARTNERSHIPS & R&D **CATALYSTS**

TKF1000 Cold Spray system installed at TWI Cambridge, funded by UK's ATI, providing access to aerospace / defense primes (2022)

€722k contract with Royal Netherlands Army for 10 D523 systems, enabling rapid in-field military repair (2024)

€800k Dutch 3D PK grant secured to develop portable and Augmented Reality-enabled Cold Spray repair. supporting cross-sector EU deployment (2025)



**DEFENSE BUDGET: A\$270B THROUGH 2030** 

**REVENUE POTENTIAL: A\$150M-A\$250M** 

#### STRATEGIC ADVANTAGES

Aligned with AUKUS and Australia's sovereign capability drive, positions Titomic as a regional gateway in Australia Pacific Region

#### TARGET SEGMENTS



**GUIDED WEAPONS AND EXPLOSIVES ORDINANCE** 



**DIRECT ENERGY WEAPONS** 



SUBMARINE SUSTAINMENT



**DSTG-DRIVEN INNOVATION** 

#### OPPORTUNITIES BY CUSTOMER PHASE

Customer	Stage	2026 Activities	2026	2027-2030 Activities	2027-2030
Aerospace	Contract	FEM Validation	\$1.2M	Full Scale Shots; LRIP	<b>†</b> \$12.1M
	Pursuit-Proposal	Aerothermal Modelling	\$1.8M	Supersonic Impact/Shock testing; LRIP	<b>†</b> \$15.7M
GWEO	Pursuit-Proposal	Subscale Validation	\$0.95M	Test Article shots; qual/LRIP	<b>1</b> \$8.5M

### Coating and repair market





Oil & Gas

MARKET SIZE: US\$60B+ ANNUALLY

REVENUE POTENTIAL: US\$50M-US\$100M ANNUALLY

**MARKET CATALYSTS** 

12-month field trials completed; new lease starting September



Collaboration with DNV for ISO Certification for Oil & Gas



Validation for Cold Spray repairs and part replacements



Pilot (Q3/Q4 2025) for rig repair using Titomic D623

#### STRATEGIC ADVANTAGES

Cold Spray AM provides non-thermal, mobile, and high-integrity repair solutions superior to welding, ideal for hazardous or remote energy infrastructure



Energy, Maritime, MRO

MARKET SIZE: >US\$100B GLOBAL MARKET
REVENUE POTENTIAL: US\$300M-US\$500M
FOCUS AREAS



Maritime: Airbus MRO pilot (from Q42025), with potential expansion to 40+ owned and 400+ affiliate MROs



Military: USACE and NAVSEA projects repairing bases, vehicles, and pipelines.



Aviation: Repairs for fuel tanks, hatches, pipes, and runways across MROs.

#### **GROWTH DRIVERS**

Pilots and contracts validated with major aviation and maritime players

Service-based pivot using mobile D523/D623 platforms (repair-as-a-service)

Opportunity to replace traditional casting and structural repairs

#### **COATING & REPAIR MARKET OPPORTUNITIES**

Customer	Stage / Phase	2026 Activity	2026 (\$M)	2027-2030 Activity	2027-2030 (\$M)
Customer I	Demo Complete / Negotiation	Field Validation & Risk Reduction	0.5M	District Qual.; Nat'l Standardization; Full Rollout	2.5M → 50M+
Customer II	Contract	R&D / Pilot Program	0.1M → 0.75M	Primary MRO Rollout (Prime + Sub)	100M+



#### TITOMIC USA – GLOBAL HEADQUARTERS

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#### **TITOMIC EUROPE**

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