

IperionX Company Presentation

February 2026



IperionX Limited
NASDAQ and ASX: IPX

A photograph of a modern building at dusk. The building's facade is dark, but the 'IPERIONX' logo is prominently displayed in large, illuminated letters. The word 'IPERION' is in a white, outlined font, while the 'X' is a larger, stylized, glowing yellow-orange 'X'.

Disclaimers

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Information included in this release constitutes forward-looking statements. Often, but not always, forward looking statements can generally be identified by the use of forward looking words such as “may”, “will”, “expect”, “intend”, “plan”, “estimate”, “anticipate”, “continue”, and “guidance”, or other similar words and may include, without limitation, statements regarding plans, strategies and objectives of management, anticipated production or construction commencement dates and expected costs or production outputs.

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Competent Persons Statements

The information in this document that relates to Exploration Results and Mineral Resources is extracted from IperionX’s ASX Announcement dated October 6, 2021 (“Original ASX Announcement”) which is available to view at IperionX’s website at www.iperionx.com.

The Company confirms that a) it is not aware of any new information or data that materially affects the information included in the Original ASX Announcement; b) all material assumptions and technical parameters underpinning the Mineral Resource Estimate included in the Original ASX Announcement continue to apply and have not materially changed; and c) the form and context in which the relevant Competent Persons’ findings are presented in this report have not been materially changed from the Original ASX Announcement.

We are reshoring a low cost, sustainable, U.S. titanium supply chain

1

Titanium supply chain is currently high cost, environmentally unsustainable and dominated by China and Russia

2

IperionX offers an end-to-end, cheaper and cleaner solution via innovative technologies

3

Large scale existing production in Virginia using 100% titanium metal scrap feedstock

4

Rapid next phase of growth underway, supported by U.S. Department of War funding

5

Future backward integration using up-graded minerals from Titan Projects' critical titanium mineral resources

6

Longer-term ambitions to disrupt the US\$300+ billion stainless steel and aluminum markets

7

Led by an experienced management team, with strong support from Tier-1 investors

Titanium has superior material properties that are prized across advanced industries



High strength-to-weight ratio

Titanium alloys can have a far higher strength-to-weight ratio than aluminum and magnesium alloys



45% lighter than steel

Titanium alloys can be 3-5x stronger than stainless steel



Superior corrosion resistance

Durable, long-life products that don't need paint

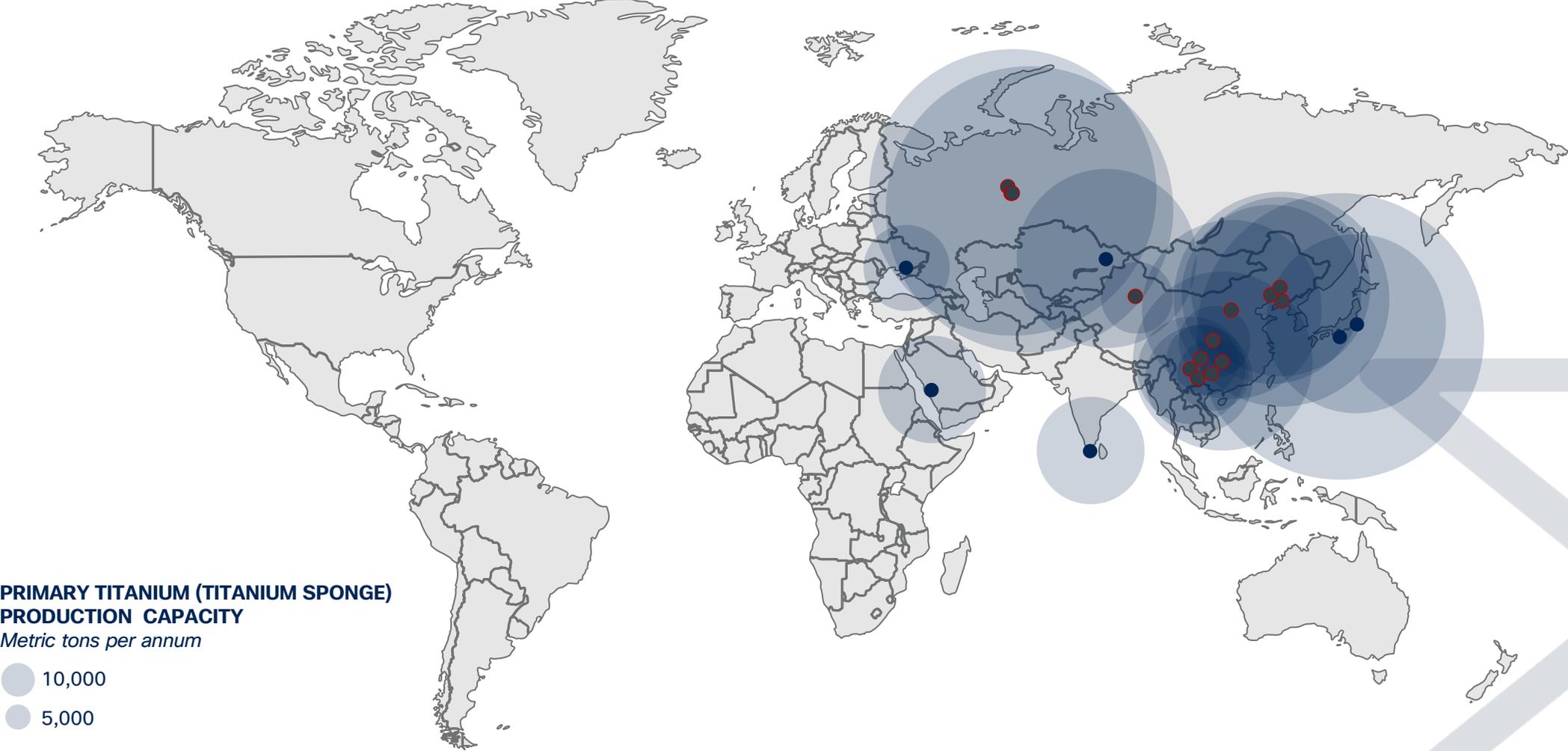


Lockheed Martin F-35 Lightning II
~20% titanium by weight



Consumer Electronics
Titanium used in frames and enclosures

China and Russia control ~70% of the global titanium supply chain



Source: U.S. Geological Survey. Locations shown are approximate. Primary global titanium supply chain.



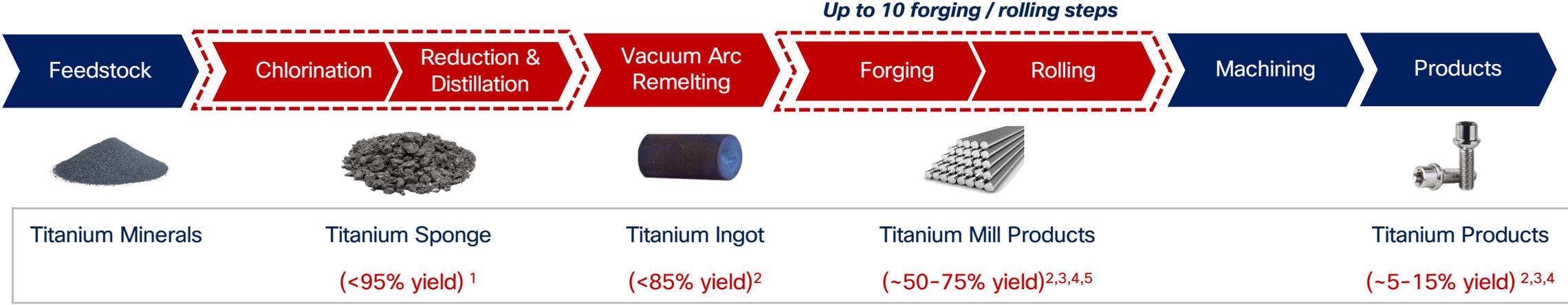
Current production of titanium is complex, high cost and unsustainable

- ✘ High temperature (1,300°C), highly corrosive chlorination, reduction and distillation process to form titanium metal sponge
- ✘ High temperature (1,850°C) multi-vacuum melting processes to form 6-11t ingots
- ✘ 5-15% typical yield from ingot to final titanium metal part
- ✘ High-energy, high-carbon, and unsustainable titanium supply chain

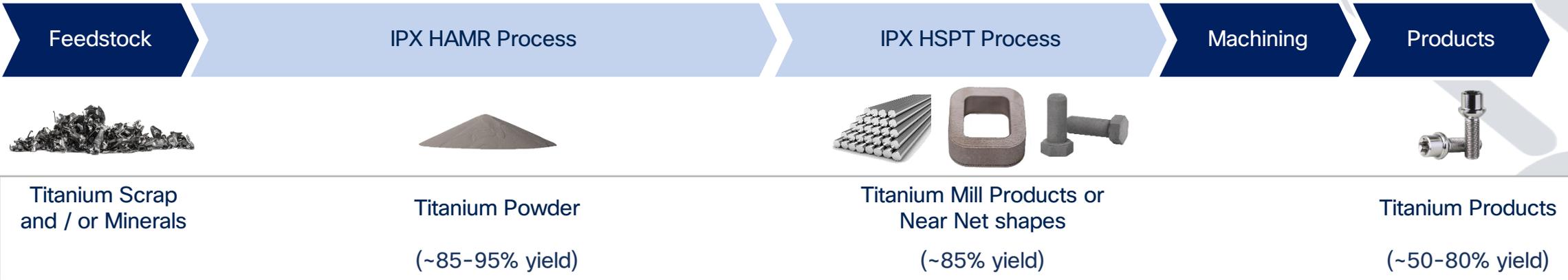


IperionX has a simple, low waste, vertically integrated solution

Current Industry



IPERIONX



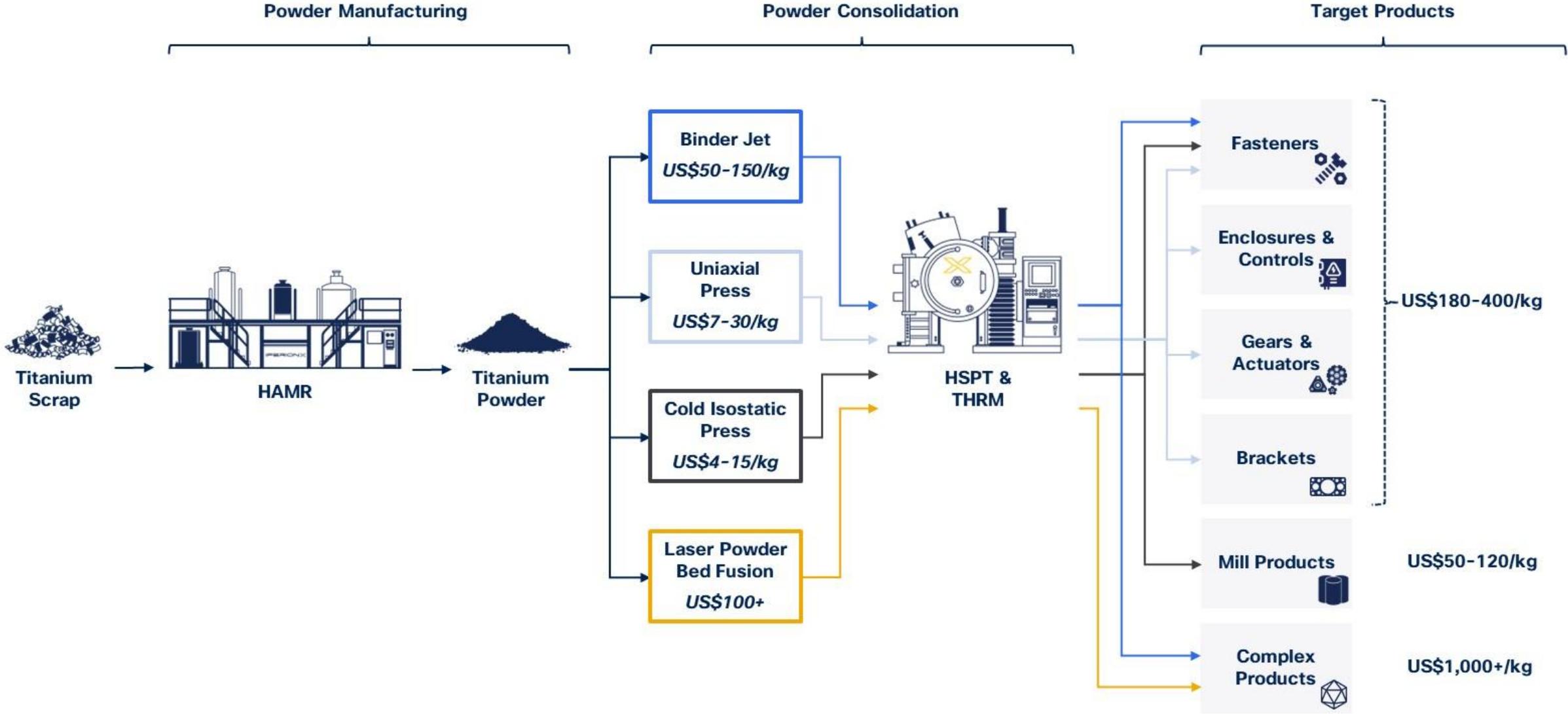
IperionX yield figures will vary depending on final products and consolidation routes shown. Titanium Powder yield varies depending on scrap vs. mineral source.
 1. Based on implied yield losses from TiCl4 to Sponge in Nagesh et. Al. 2004: "Mechanism of Titanium Sponge Formation in the Kroll Reduction Reactor"; 2. Oak Ridge National Laboratory (ORNL) 2012 Report: "Near Net Shape Manufacturing off New, Low Cost Titanium Powders for Industry"; 3. Boeing, ORNL, APCI 2012 Report for DoE: "Near-Net Shape Fabrication using Low-Cost Titanium Alloy Powders"; 4. RAND Corporation 2009 Report: "Titanium Industrial Base, Price Trend, and Technology Initiatives"; 5. Dept. of Energy 2008 Report "FY 2008 Progress Report for Lightweighting Materials - 4. Automotive Metals - Titanium"

A Step Change in the Titanium Supply Chain

	Current Industry	IPERIONX
TiO ₂ Reduction Process	Kroll (Cl ₂ gas, 1,300°C)	HAMR (<700°C)
Titanium Refining	VAR (1,850°C)	
Titanium Forging	Traditional Hot Working (Open or close die forging + Rolling or Extrusion)	HSPT (Sintering process)
Semi-finished Products	Mill Products (Bars, Sheet, Wire etc.)	Near Net Shapes or Mill Products
High quality microstructure	Yes	Yes
Final part machining requirements	High	Low
Yield to final parts	5-15%	50-85%
Carbon emissions (Scope 1 & 2) ¹	High	Zero
Energy consumption	High	Low

1. IperionX carbon emissions based upon use of renewable power

Allowing the production of a wide range of low-cost products through a variety of manufacturing modalities



We produce titanium components at our Virginia Titanium Manufacturing Campus



Titanium Production Facility “TPF / 1080 Building”

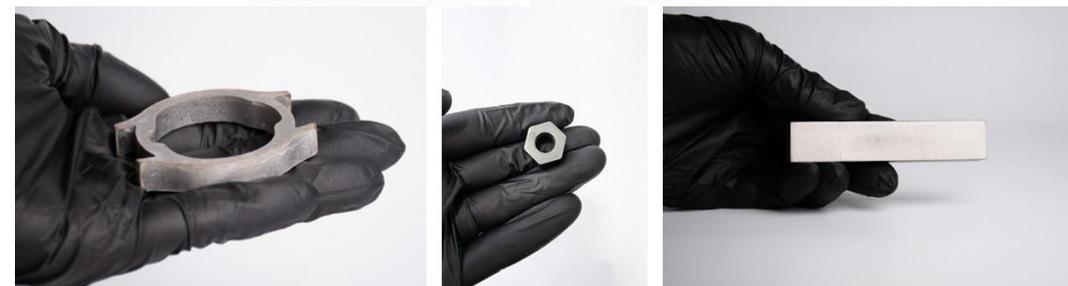
“Refining” of titanium scrap into high-quality titanium metal powders

Advanced Manufacturing Center “AMC / 1092 Building”

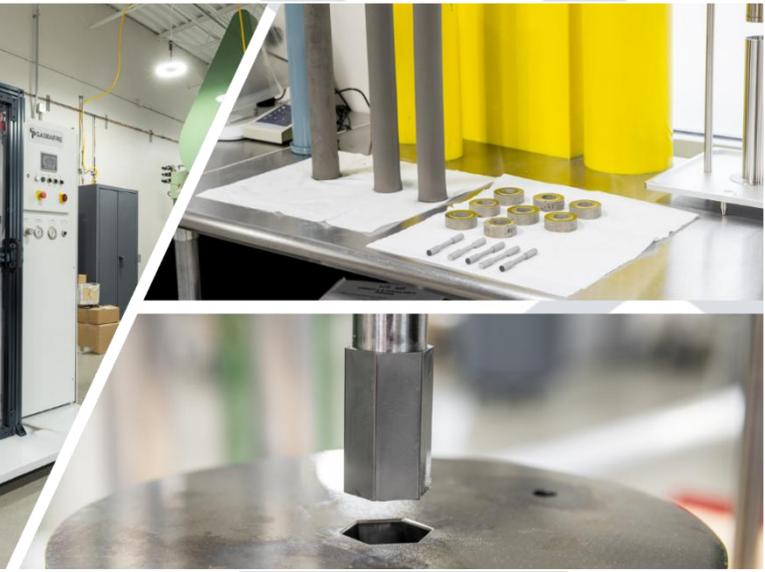
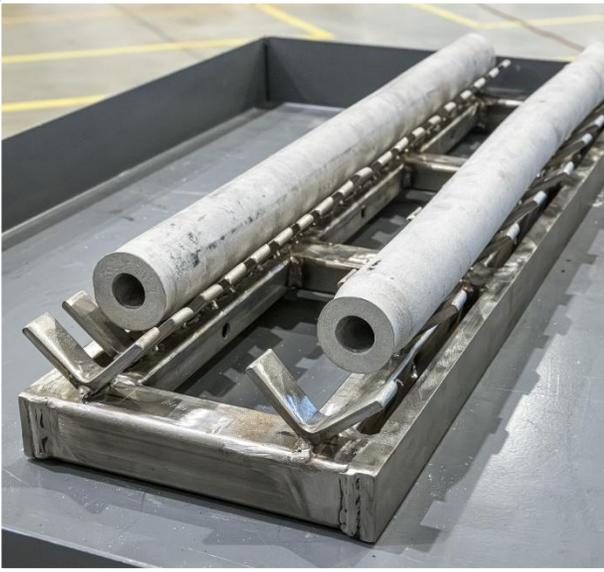
“Forging” and “printing” of titanium metal powders into high-quality titanium metal products

Titanium Production Facility - production ramp up in progress, operating capacity increased

- ✓ **Large scale increase in titanium production capacity**
Initially scaled from ~2 tpa to 125+ tpa of titanium powder
- ✓ **Scalability validated by higher titanium production capacity**
Nameplate titanium powder capacity increased by 60% to 200 tpa
- ✓ **Higher titanium production capacity enables lower costs**
Projected titanium powder unit costs fall to ~US\$55/kg at full utilization, (from prior estimate of US\$75/kg)
- ✓ **Platform to revolutionize the titanium industry**
Successful commissioning and increased capacity confirm the scalability of IperionX's technologies at industrial scale







Advanced Manufacturing Center - making titanium products today

- ✓ **Advanced manufacturing of high-strength titanium products**
Semi-finished titanium products, near-net shape titanium components and high-value titanium products using advanced manufacturing
- ✓ **Manufacturing high-performance titanium product range**
Sustainable competitive advantage captures value uplift from manufacturing high-performance titanium products
- ✓ **Advanced center for titanium research and development**
Commercial development of titanium alloys, powder metallurgy and manufacturing technologies



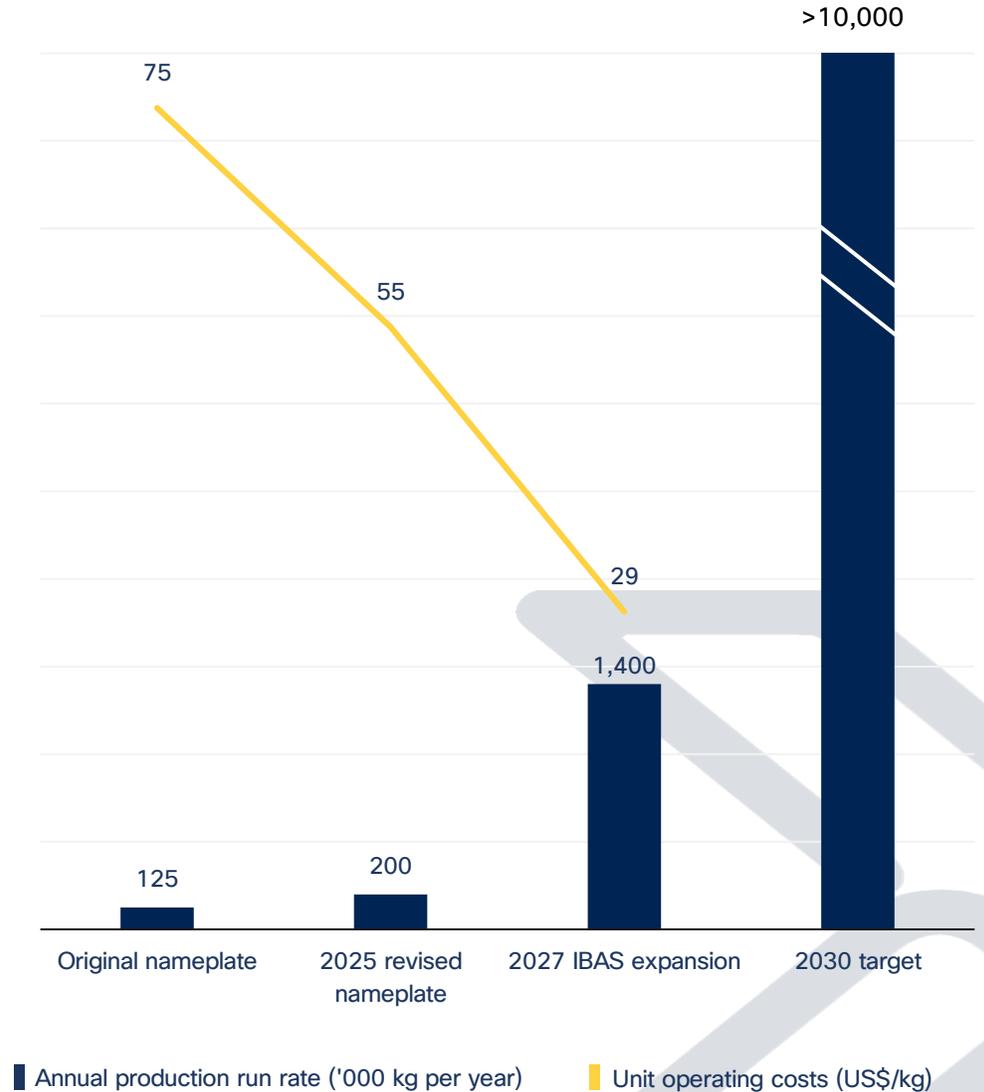
Our high-performance titanium products have secured the interest of leading potential customers



1. Richemont: See ASX announcements dated August 20, 2022 and November 17, 2022 for details; Ford: See ASX Announcement dated June 13 2023 for details; Lockheed Martin: See ASX announcement dated August 17, 2023 for details; United Stars: See ASX announcement April 15, 2024 for details; Vegas Fastener Manufacturing: See ASX announcement May 1, 2024.

U.S. DoW backed expansion by mid-2027, to become the largest volume & lowest cost U.S. producer

- ✓ **Accelerated expansion to 1,400 tpa**
7x expansion in titanium production capacity, positioning IperionX to be the largest volume American titanium powder producer
- ✓ **Lowest cost U.S. producer**
Targeting lowest cost production of titanium powder of ~US\$29/kg at full utilization
- ✓ **Low capital intensity**
Capex of ~US\$75m funded by U.S. DoW award of US\$47.1m, cash of \$101m, and prospective DoW SBIR Phase III task orders of \$99m
- ✓ **Roadmap for further scaling of capacity**
Aiming for global leadership in advanced manufacturing of high-performance titanium components, targeting 10,000+ tpa by 2030

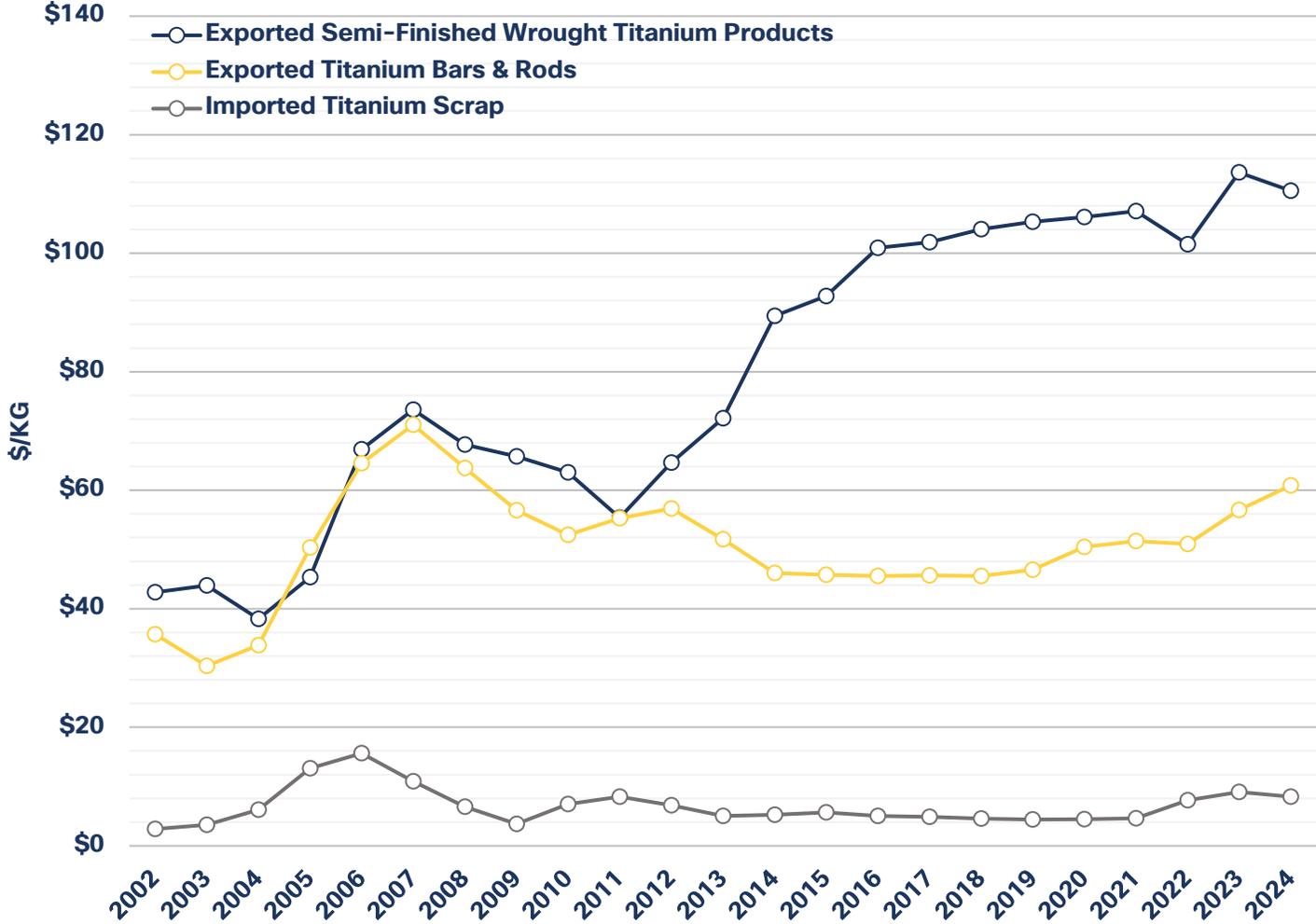


Titan Project underpins a low-cost, end-to-end U.S. titanium supply chain solution

- ✓ The fully permitted Titan Project in Tennessee is one of the largest titanium mineral resources in North America
- ✓ Titan Project combined with our titanium technologies to deliver an end-to-end solution for the U.S. titanium supply chain
- ✓ Titan Project is a leading U.S. resource of critical titanium, zircon and rare earth minerals
- ✓ Technical studies being advanced through U.S. Department of War IBAS program
- ✓ The Definitive Feasibility Study is underway and set to be complete in Q2 2026.



The U.S. titanium supply chain is fragmented, high risk, and vulnerable to supply shocks



✓ ~\$111/kg pricing on ~\$1.3bn of U.S. exported semi-finished titanium products in 2024

✓ ~\$61/kg pricing on ~\$0.5bn of U.S. exported bar and rod titanium products in 2024

- ✓ **Supply constrained, rising price environment** with the average price of exported semi-finished titanium products rising steadily since 2011, amid recent volatility reflecting:
- Supply shocks from Russia’s invasion of Ukraine
 - Raw material price increases and disruptions
 - Increasing demand for titanium

Meet the Senior Leadership Team



Anastasios "Taso" Arima

Co-founder, MD and CEO

Successful founder of multiple billion-dollar companies, including most recently Piedmont Lithium (Nasdaq: PLL)



Todd Hannigan

Executive Chairman

25+ years of global experience in natural resources as company founder, CEO, private capital investor, and non-executive director



Toby Symonds **President, Chief Strategy Officer**

30+ years in capital markets, founder of two asset management firms



Scott Sparks **Chief Operating Officer**

30+ years in engineering, construction and management



Mike Spath **Chief Administrative Officer**

25+ years experience in finance, research and capital markets



Marcela Castro **Chief Financial Officer**

25+ years of financial leadership experience across multiple industries



Dominic Allen **Chief Commercial Officer**

15+ years commercial experience across the metals & minerals sector

Independent Board Members



Lorraine Martin

35+ yrs senior aerospace exec. at Lockheed Martin, CEO National Safety Council, Board Member; Kennametal



Tony Tripeny

35+ years at Corning, including as CFO. Board Member; Mesa Laboratories and Origin Materials



Beverly Wyse

30+ yrs senior aerospace exec. at Boeing, Board Member; Heroux-Devtek



Melissa Waller

30+ yrs senior finance exec. President of the AIF Institute



Vaughn Taylor

20+ yrs senior investment executive, Ex CIO of AMB Capital Partners, Board member global organizations

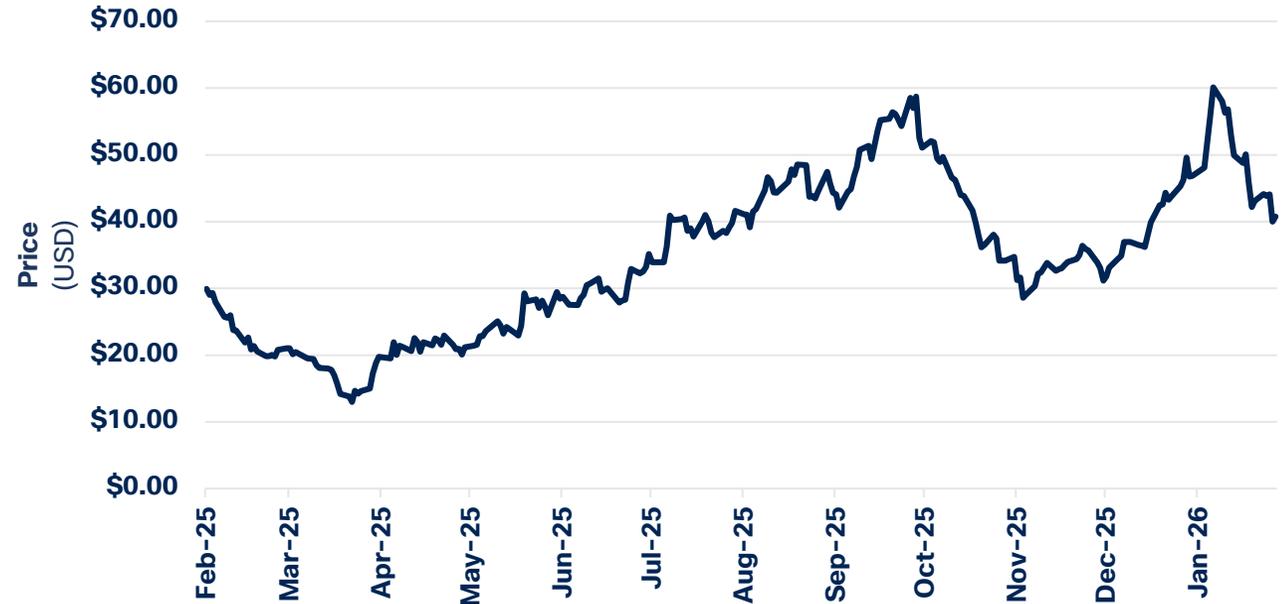
High value catalysts are imminent

- Secure strategic partners for our titanium metal products**
 - Test powders and/or prototype parts with prospective customers
 - Secured prospective customer and government validation
 - Secure additional customers across core industry sectors

- Scale up production of titanium powder and products**
 - Titanium Production Facility (expansion to 1,000+tpa) CAPEX and OPEX
 - Commence equipment installation at Titanium Production Facility
 - Commission HAMR furnace at Titanium Production Facility
 - Produce titanium components at Advanced Manufacturing Center
 - Continuous commercial operations at Titanium Production Facility
 - Commence Titanium Production Facility expansions activities

- Progress Titan Project to be construction ready**
 - Definition of largest known titanium mineral resource in U.S.¹
 - Scoping Study / Initial Assessment completed
 - State Mine and NPDES permit granted
 - DFS (underway), critical minerals sales contracts and FID

Corporate Overview (NASDAQ / ASX Ticker Symbol: IPX)

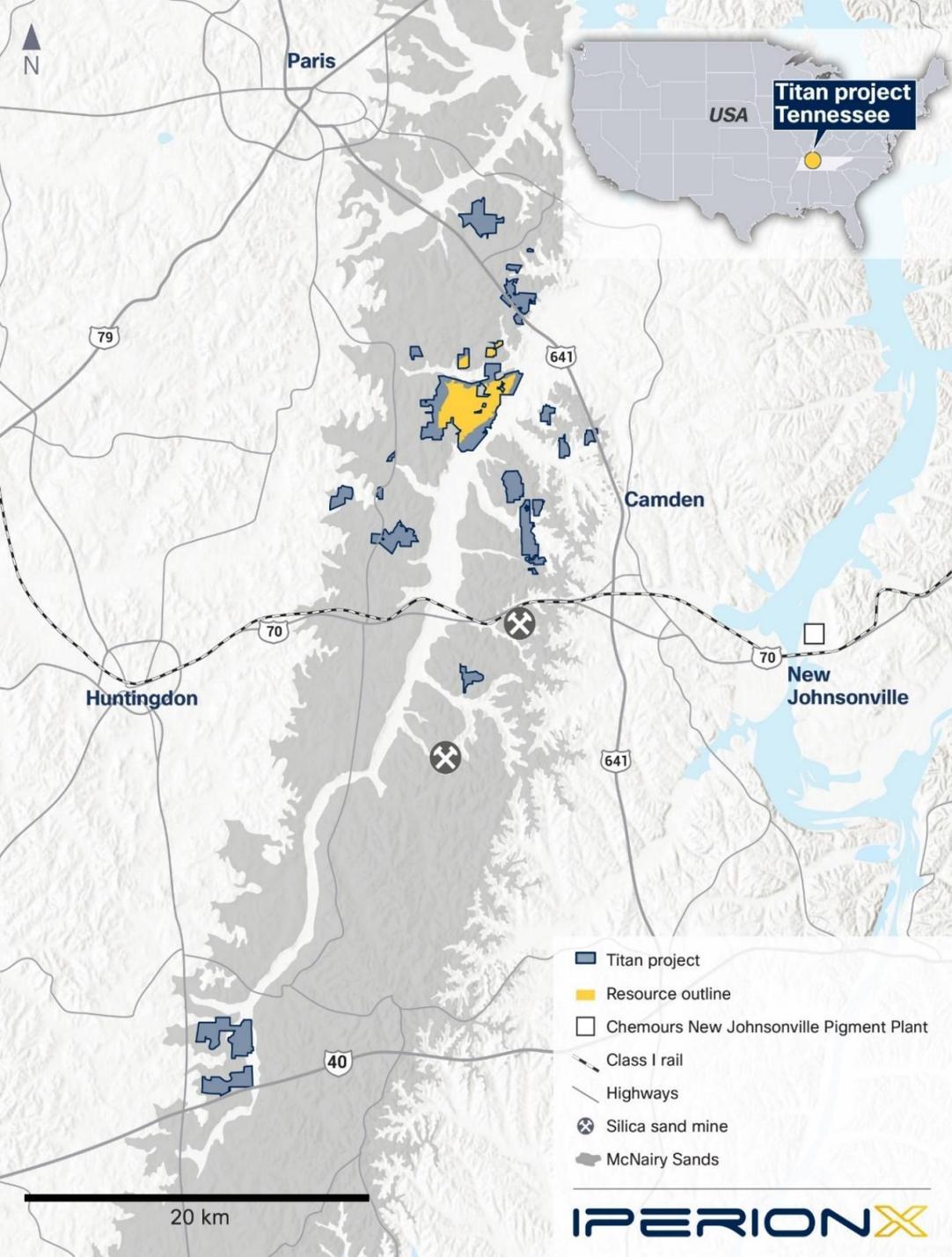


Ordinary Shares / ADR's (1:10) Outstanding	335.6 million / 33.6 million
Market Capitalization (31-Jan-2026)	~US\$1.7 billion
Cash (31-Dec-2025)	~US\$66 million
Fidelity Management and Research (FMR)²	~9%
State Street²	~7%
Fidelity International (FIL)²	~5%
Vanguard Group²	~5%
Insider/management Ownership	~30%²⁰

1. JORC and SK-1300 code compliant
 2. Last disclosed

Supporting Information





Titan Project is a very large potential source of U.S. titanium minerals

- Titanium, zircon, and rare earth critical minerals
- Geological target is the McNairy Sand, a massive mineral formation that extends across West Tennessee
- Existing mineral resource estimate covers only a small portion of the secured landholdings
- Potential for new resource discoveries within land controlled by IperionX
- Opportunities to add new land holdings to further increase the resource base

JORC Mineral Resource ¹	Total Critical Mineral Assemblage								
	Titan Project	Cut-off	Tonnes	TCM %	TCM	Zircon	Rutile	Ilmenite	REE
		(TCM %)	(Mt)	(%)	(Mt)	(%)	(%)	(%)	(%)
Indicated		0.4	241	2.2	5.3	11.3	9.3	39.7	2.1
Inferred		0.4	190	2.2	4.2	11.7	9.7	41.2	2.2
Total Mineral Resource		0.4	431	2.2	9.5	11.5	9.5	40.3	2.1
Including High Grade Core		2.0	195	3.7	7.1	12.1	9.9	42	2.3

1. See ASX announcement dated October 6, 2021 for details

IperionX's Green Rutile™ technology could add significant value to the Titan Project

- ✓ IperionX's patented low-carbon "Green Rutile™" mineral enrichment technology can upgrade lower-grade ilmenite titanium minerals into a high-grade, higher-value titanium 'synthetic rutile' product
- ✓ Green Rutile™ has been successfully proven at a bench scale, with pilot scale production design now underway for completion in 2024
- ✓ Green Rutile™ process could also unlock value with potential critical co-products such as LFP battery feedstock or high-purity iron powder
- ✓ Low-carbon Green Rutile™ product has been successfully tested by potential customers in Japan and the U.S.
- ✓ IperionX plans to integrate Green Rutile™ enrichment plant options into the Titan Project's PFS and / or Feasibility Study, to potentially add significant value to the Titan Project's final economics

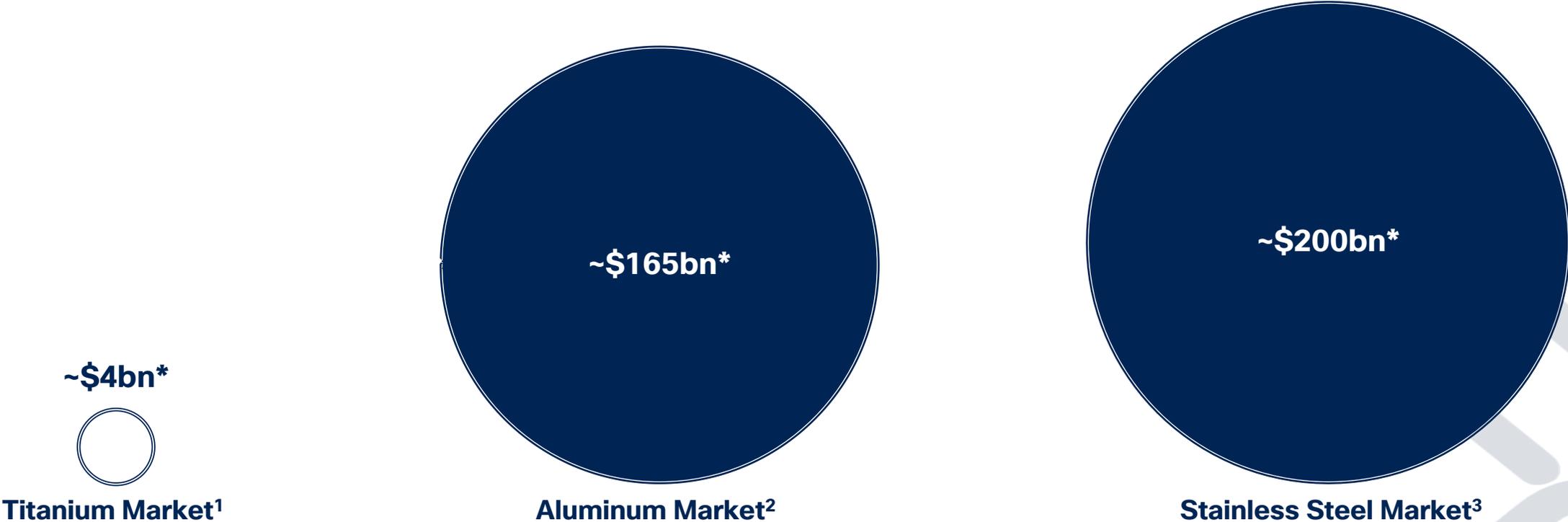


Titan Project Technical Studies

- ✓ IperionX has now completed key long lead assessments for the Titan Project DFS and / or Feasibility Study, including metallurgical test work and permits
- ✓ Titan Project technical studies (DFS and / or Feasibility Study) are now being advanced following US\$5 million in funding from the U.S. Department of War IBAS program in February 2025, with completion anticipated in Q2 2026.
- ✓ Potential funding and product offtake options from strategic investors, including Japanese companies, are moving towards advanced stages of negotiations

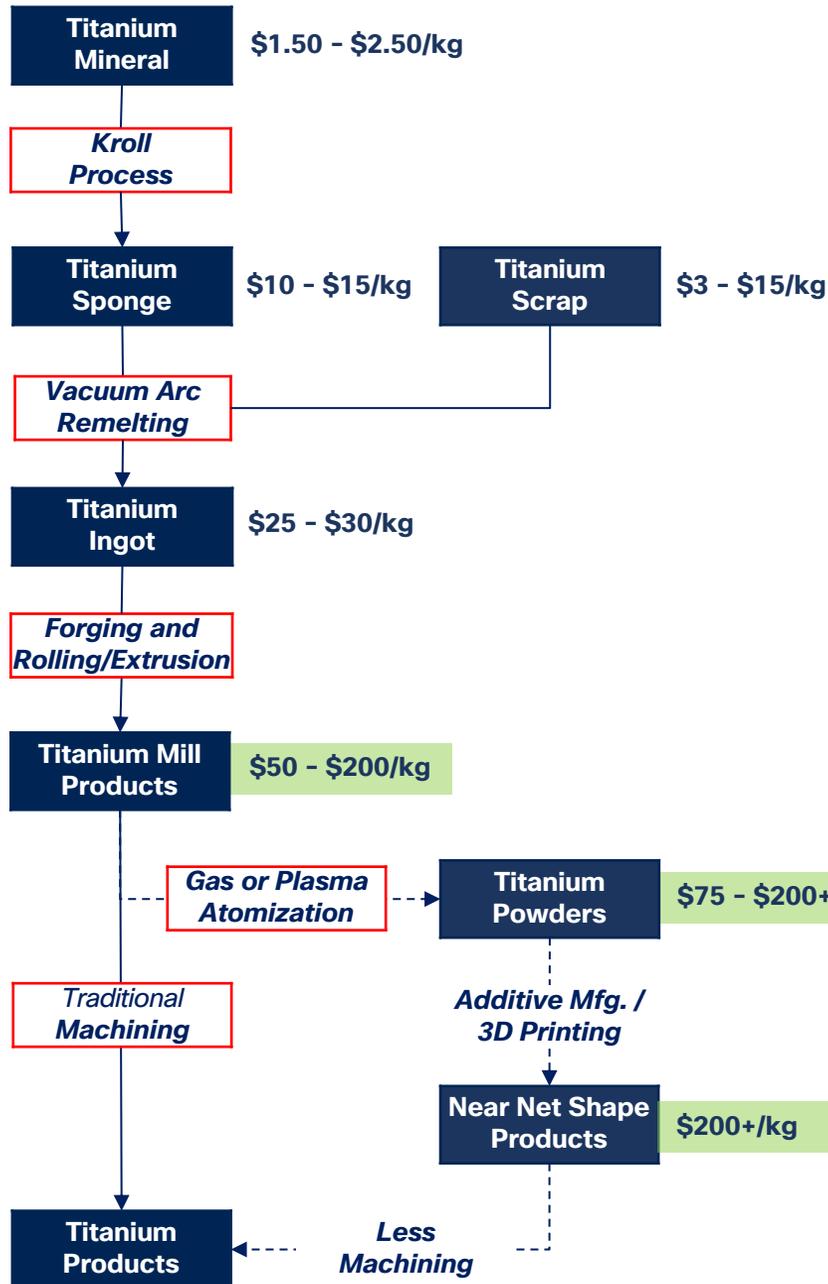


In the long term, the total addressable market is the global lightweight structural metals market



* Estimated Global Market Summary in USD. TAM market sizes are built up using 2022 material pricing
1. Sources: Roskill, Argus Metals. 2019 titanium melt products production of ~283kt at Q4-2022 Rotterdam Ti64 pricing of ~\$16/kg. Note: Titanium market size uses 2019 volumes as base year, due to the Ukraine-Russia conflict.
2. Sources: Jefferies Equity Research, LME. Harbor Aluminum. 2021 global aluminum demand of ~67Mt at Q4-2022 pricing of ~\$2.4/kg.
3. Sources: International Stainless Steel Forum, MEPS, 2021 global stainless steel melt shop production of ~56Mt at Q4-2022 304 Coil pricing of ~\$3.6/kg.

Titanium production is complex, high cost and unsustainable



✗ **Kroll Process**

- High temperature (1,300C°) batch process that requires high-quality titanium mineral feedstocks
- Uses chlorine gas and coke to produce titanium tetrachloride (TiCl₄) + carbon emissions
- TiCl₄ reduced by molten magnesium metal and the MgCl₂ is distilled under high temperature

✗ **Vacuum Arc Remelting**

- High temperature process (1,850C°) with titanium sponge mixed with low oxygen titanium scrap and alloying elements, welded into an electrode and then melted under a vacuum
- Process repeated 2-3x times to ensure homogenous product
- Ingot weights of 6-11 tons required to underpin economics

✗ **Forging and Rolling / Extrusion**

- 6-11 metric ton ingot is broken down into billets (or slabs) via high temperature forging
- Billets are then heated and rolled or extruded into plate, sheet, bar, wire etc.
- Multiple reheats required with each reheat step requiring grinding of the Ti-O “alpha case” layer
- Mill product yields are low e.g., **55-60% yield** from ingot to 0.2” inch plate

✗ **Traditional Machining**

- Mill products often require machining to final titanium metal product resulting in high scrap generation vs resultant product (i.e., the “Buy-to-Fly” ratio)
- Buy-to-fly ratios often lead to **<10% yield** - ~13:1 buy-to-fly ratio for watch cases from titanium bar are common

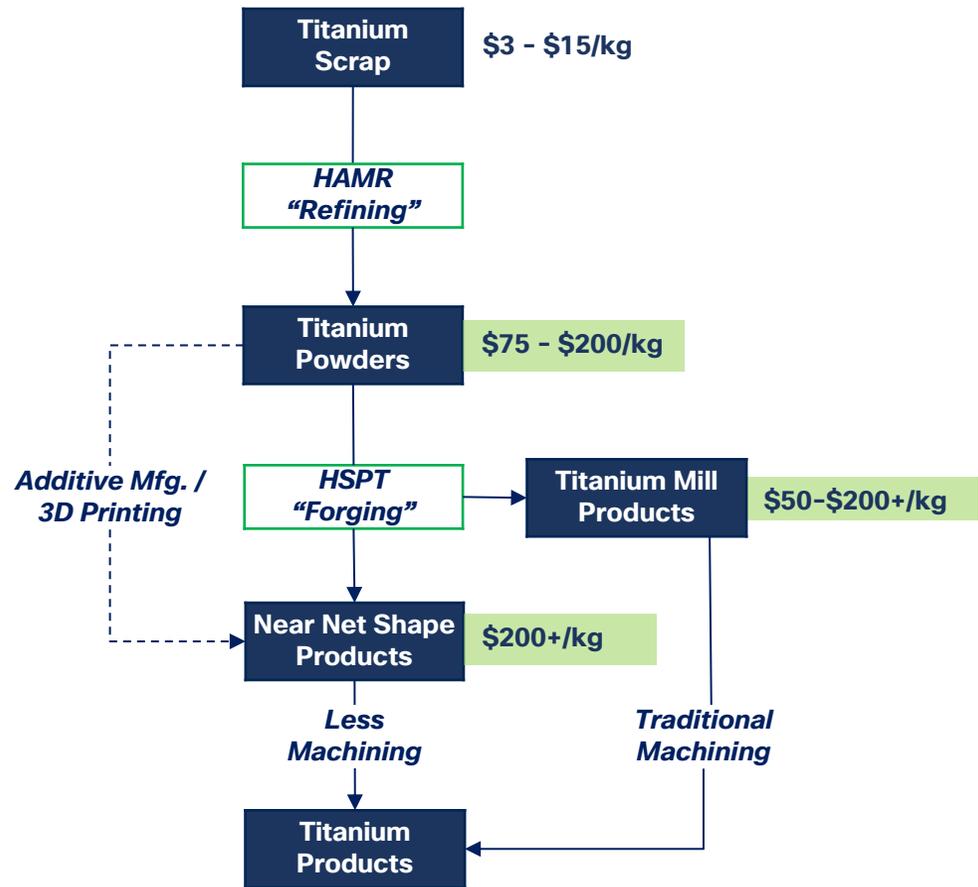
✗ **Gas or Plasma Atomization**

- High temperature process where high quality bar or wire is atomized in an inert atmosphere into spherical powders
- Wide range of sizes produced with **<50% yields** of “in-spec” powders

Our titanium technologies can deliver low-cost, high-strength and sustainable titanium production

✓ HAMR “refining” technology

- Hydrogen Assisted Metallothermic Reduction (HAMR) process is based on a scientific breakthrough by Dr Zak Fang, Professor of Metallurgical Engineering at the University of Utah
- HAMR works by destabilizing the titanium-oxygen bonds and allowing for a simple reduction process - similar to iron ore to iron
- HAMR process is a low temperature (<800°C) fast (<6 hours) batch process and results in high quality titanium metal powders - potential conversion to an even faster continuous process
- The result is an efficient, scalable process that avoids both Kroll and ingot melting and is <50% energy requirements of the current supply chain with zero Scope 1 and 2 carbon emissions



✓ HSPT “forging” technology

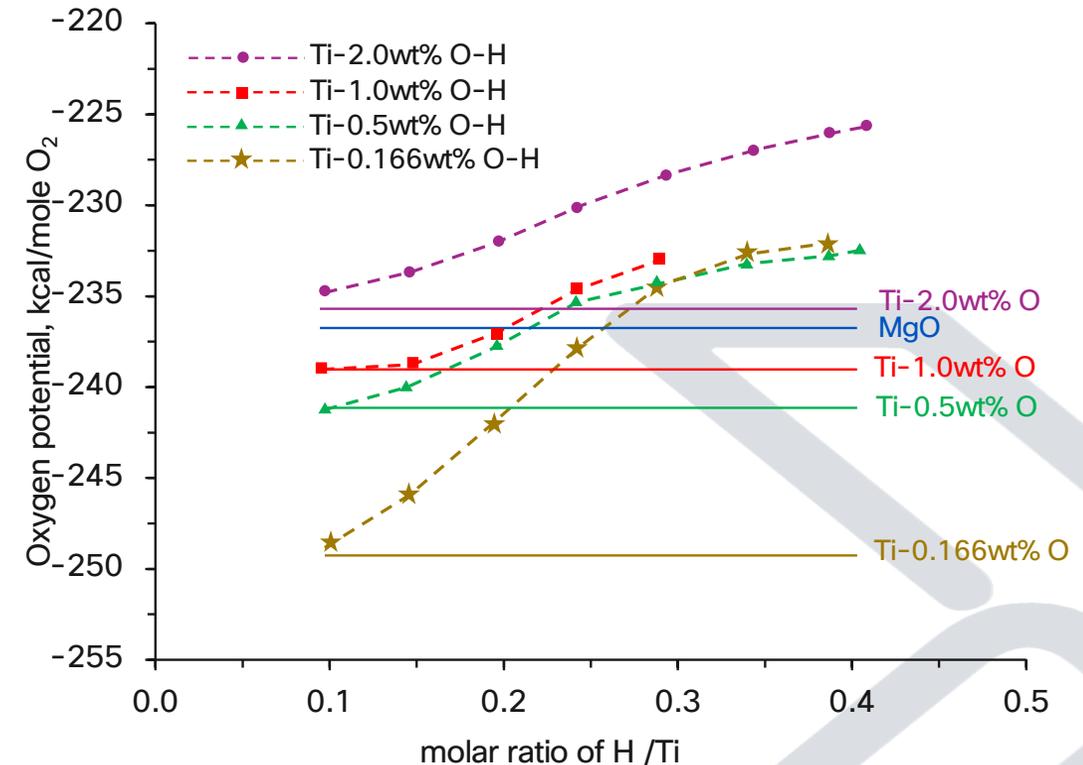
- Hydrogen Sintering and Phase Transformation (HSPT) is a non-melt sintering technology that results in ultrafine grain micro structured titanium metal products
- The HSPT products have “forged” or wrought like properties typically seen only with traditional forged titanium mill products
- Combined with low-cost metal powders, HSPT avoids the multiple high-cost forging steps, with the associated yield losses, to manufacture high performance titanium mill products
- HSPT can deliver “forged” near-net shape products to greatly reduce machining and final costs for titanium metal products

HAMR: The breakthrough science of a revolutionary technology

- Most common metals can be reduced to metal from oxides by carbon (or hydrogen) - this is not the case for Titanium Dioxide (TiO_2) because of the stability of the Ti-O bonds
- William Kroll invented a process to overcome this challenge and it relies on chlorination of TiO_2 in a carbothermal reaction to create TiCl_4 , which is then reduced by molten magnesium in a vacuum and distilled to produce titanium sponge
- Titanium sponge is then vacuum melted multiple times to create a titanium ingot which is then hot worked into mill products
- HAMR reduces TiO_2 with magnesium under a hydrogen atmosphere, with hydrogen destabilizing the Ti-O bonds
- This principle can also be used to de-oxygenate recycled titanium scrap, as the most difficult impurity to “remove” is the oxygen on the surfaces - especially with machining titanium scrap
- **HAMR revolutionizes the ability to manufacture high quality titanium metal and alloys from both titanium mineral or scrap**

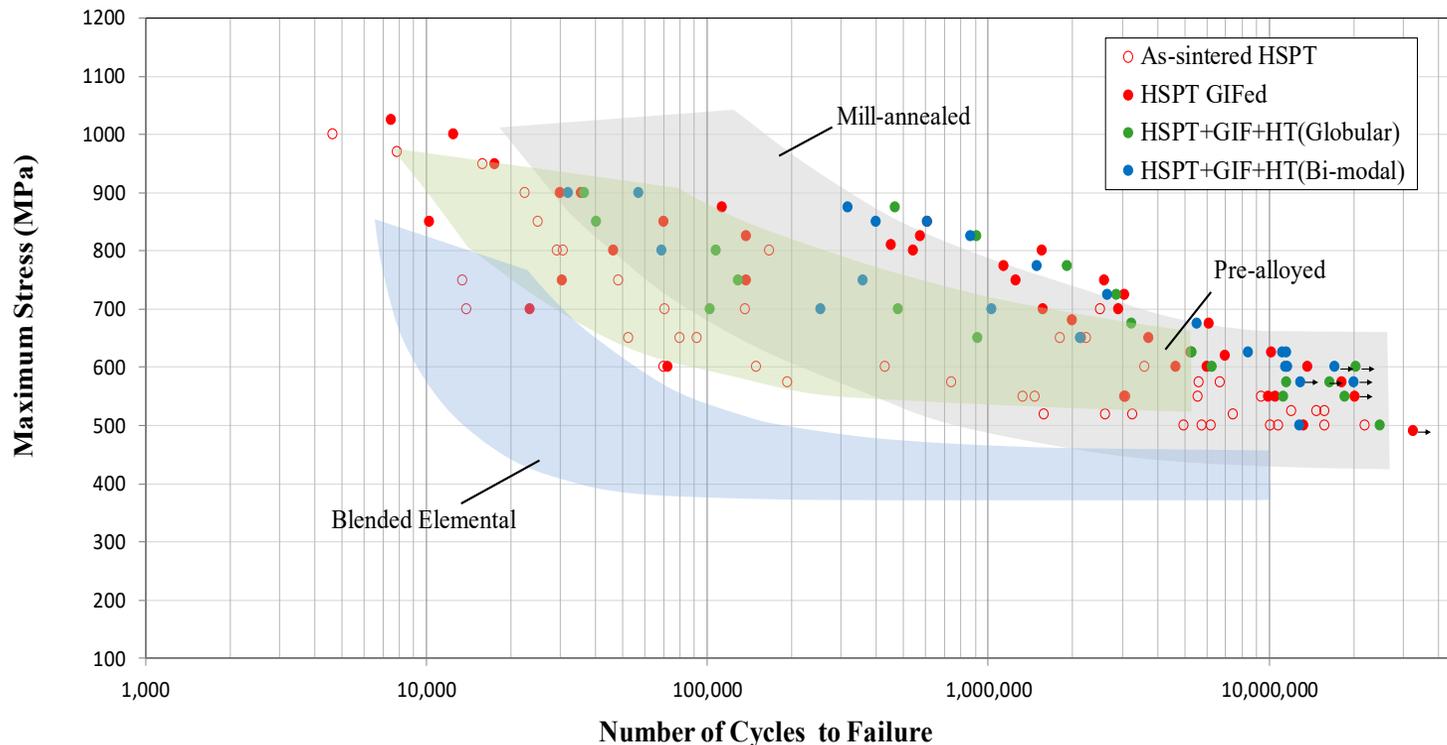
Hydrogen's effect on the Ti-O bonds

Ti-O bonds at various weight percent (solid lines) vs. Ti-O-H bonds destabilized at various weight percent (dashed lines) @ 700 C°

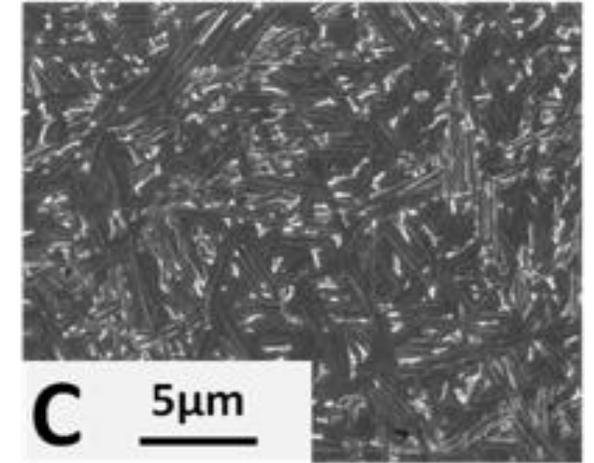


HSPT: 'Forged' titanium, without the high-cost forging process

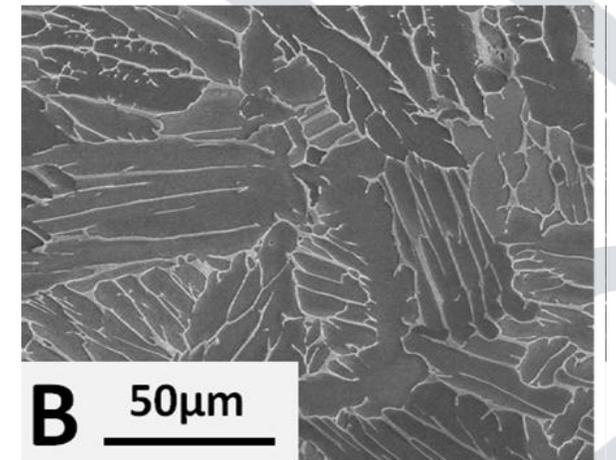
- Our patented HSPT technology unlocks a superior powder metallurgy pathway to manufacture 'forged quality' near-net shape titanium parts and components
- HSPT delivers mechanical performance properties with traditional forging processes, but avoids the high-cost and high-emissions associated with them
- The process can use angular HAMR titanium powder as the powder metallurgy feedstock
- **HAMR with HSPT provides a superior manufacturing solution for low-cost, sustainable and high-quality titanium parts for demanding applications**



HSPT as-sintered microstructure



Vacuum as-sintered microstructure



HAMR enables a fully circular titanium economy

Circular Economy Attribute	IperionX Technology	Kroll Process	Other Titanium Processes
Can recycle 100% titanium scrap	Yes	No	Some
Can upcycle high oxygen content titanium scrap	Yes	No	No
Can divert high-oxygen titanium scrap from landfill	Yes	No	No
Ability to perpetually recycle titanium	Yes	No	No
Enables fully circular titanium economy	Yes	No	No



EarthShift Global providing Life Cycle Analysis - Zero Scope 1 and 2 Emissions Identified

Lifecycle GHG emissions
(Scope 3) projected at
only
7.8 kg CO₂e/kg spherical
powder for TPF
production

Zero Scope 1:
No Direct
Carbon Use



No carbon dioxide or other GHG emissions produced in IperionX process, and no natural gas or direct carbon used

Zero Scope 2:
Carbon Free
Electricity



100% Renewable electricity utilized for IperionX process - both in UT & TN

Minor Scope 3:
Supply Chain
Emissions



Embodied carbon emissions associated with supply chain inputs

Life Cycle Assessment progress

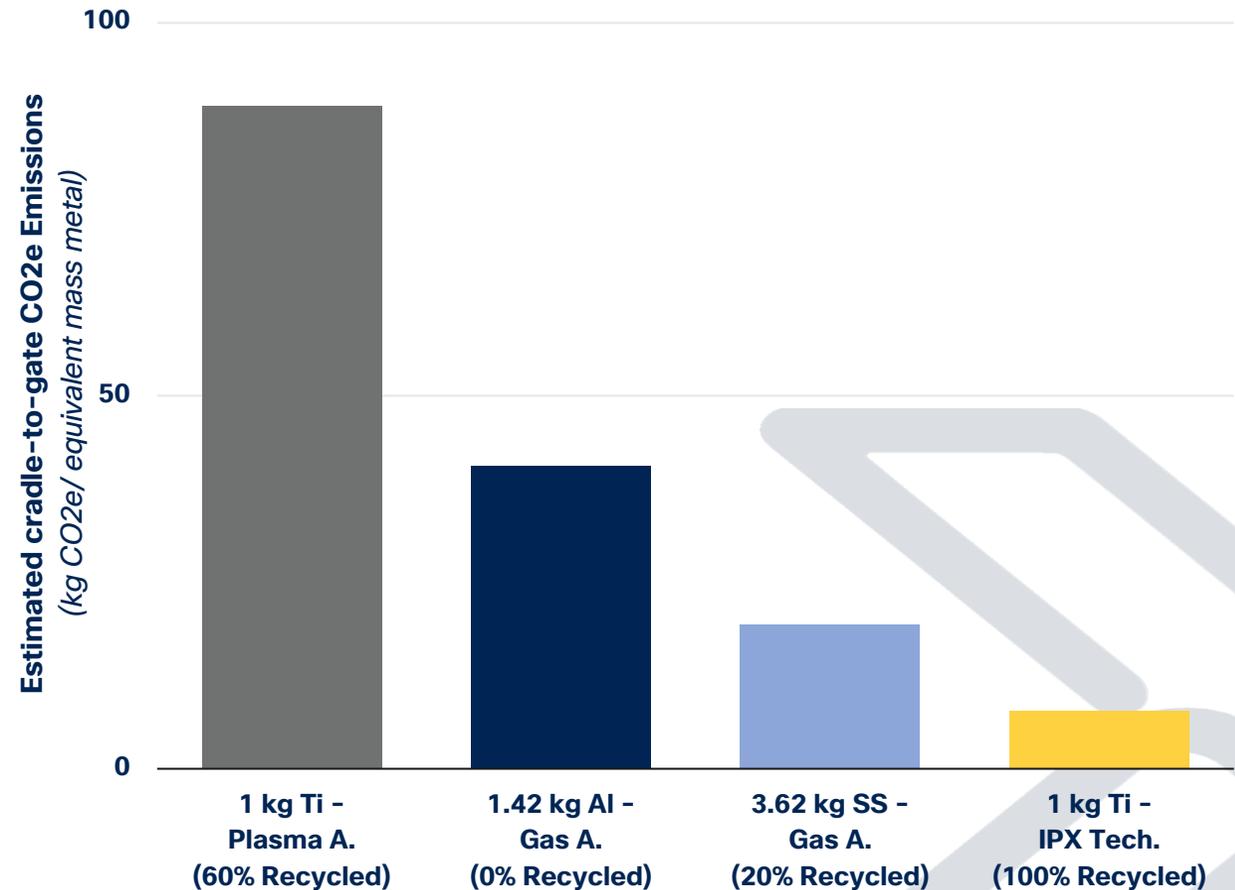
Single Product LCA - Q2-2023

- For IPX 100% recycled spherical titanium powder via HAMR/GSD process
- Critically reviewed

Comparative LCA - Q2-2024

- IPX spherical titanium powder compared to conventional titanium powder via Kroll process and plasma atomization, Aluminum powder via gas atomization, and Stainless Steel powder via gas atomization
- Panel critical review

Estimated Cradle-to-Gate Life Cycle Carbon Emissions of 1 kg of IperionX Recycled Spherical Ti Powder Compared to Conventional Spherical Ti, Al, and SS Metal Powders Based on Strength-to-Weight Equivalency



Note: IPX powder LCA based on 100% renewable energy, green argon, green hydrogen, and green magnesium inputs to process.

Completed UL 2809-2 - Recycled Content Environ. Claim Validation



VALIDATED

- IPERIONX TITANIUM Ti64 POWDER, 100% RECYCLED CONTENTS 100% RECYCLED CONTENT, CONSISTING OF 100% SCRAP TITANIUM Ti64
UL.COM/ECV

- UL validation of 100% recycled titanium powder completed in June 2023; re-validated in May 2024
- First known metal powder to receive this UL validation

