

Silica Sand

Essential to World Growth





RESOURCE CONNECTASIA

TRIBECA FUTURE FACING COMMODITIES CONFERENCE

SINGAPORE 2025





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Compliance Statement

The information in this document that relates to the estimation and reporting of the Mineral Resource and Ore Reserves for the Company's silica sand projects is extracted from releases to ASX on 28 August 2019,11 November 2022 and 6 March 2024 (Arrowsmith North), 17 September 2019 (Arrowsmith Central), 9 May 2023 (Arrowsmith Brand), 18 October 2019 (Muchea) and Boyatup (18 August 2022). The Company confirms that it is not aware of any new information or data that materially affects the information included in this document and all material assumptions and technical parameters underpinning the estimates continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Persons' findings are presented have not been materially modified from the original market announcements.

The Company confirms that all the material assumptions underpinning the production target, or the forecast financial information derived from the production target, in the initial public report (6 March 2024) continue to apply and have not materially changed.

Silica Sand: The Second-most Consumed Material on Earth



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VRXSILICA The world is facing a global sand supply crisis



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World Class Silica Sand Projects

Project development pipeline to ensure disciplined, staged development of world-



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- Five very large scale, high grade and low impurity silica sand projects each project capable of independent operation to supply processed material to diverse markets
- Simple, low impact mining and processing
- Access to established infrastructure (logistics, power, water and gas)
 - rail lines to port run adjacent to all project tenements
 - gas pipelines run adjacent to each of the project areas
- Scale of projects provides long-term opportunity for silica sand export and potential glass manufacturing and downstream industries in Western Australia
- Grant of geothermal permit in the Mid West and JV with Steam Resources provides alternative energy solution



Market Outlook - Foundry Sand

VRX Target Market - Metal Casting/Foundry for Automobile Parts

Arrowsmith North silica sand project Foundry Sand products

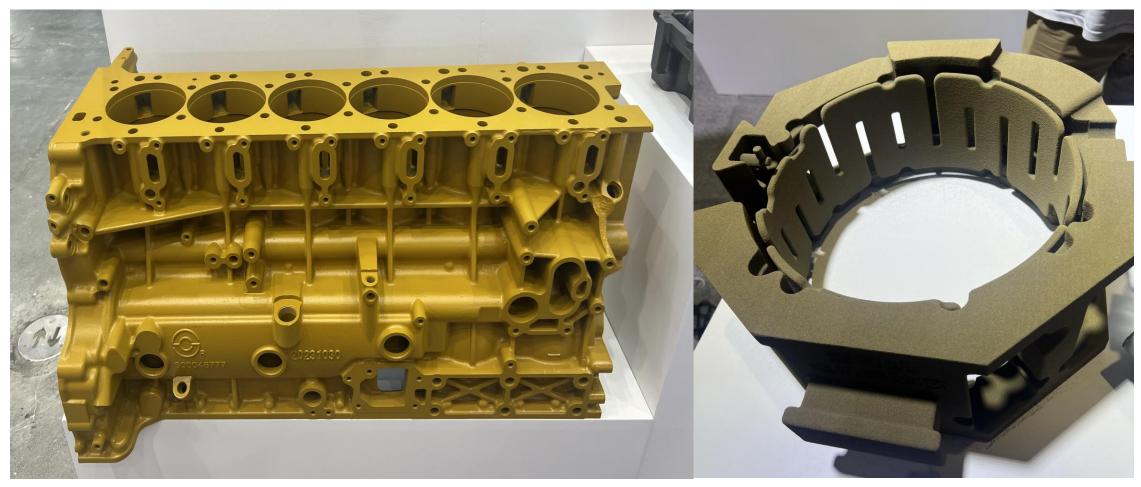
Used for moulding sand and core sand for non-ferrous alloy castings, iron castings and small steel castings.

Increasing demand for high-performance and high-quality castings in automobile, railway transportation, aerospace and other industries. The market demand scale of casting products continues to grow, and the demand for casting sand continues to expand. Recent advances in sand media for 3D printing of intricate moulds.

		Country	Volume (Million t)	Market Value (USD Million)	Growth	Key Industries
VRX's Production Market		South Korea	1.5-2	90	2-3%	Automotive, steel
	$ \rightarrow$	Japan	3.5-4	270	3-4%	Automotive, high-end machinery
	L	China	11-12	810	3-5%	Automotive, steel, electronics, 3D media

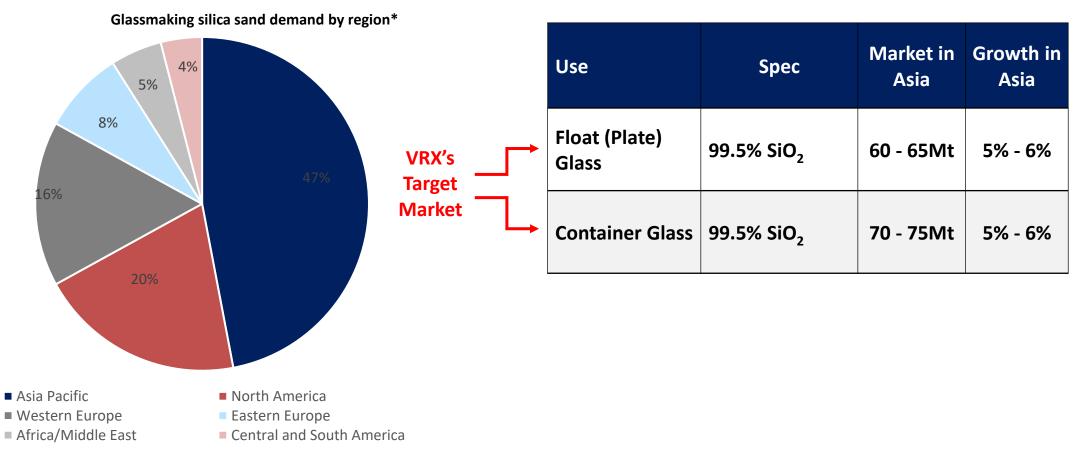


Metal Casting Media New Industry 3D Printing Intricate Patterns



Market Outlook - Glassmaking

Asian glass making production increasing 5-6% per year (~8 - 10Mtpa Growth) VRX Target Market - Float, Container



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WA Leading Silica Sand Projects

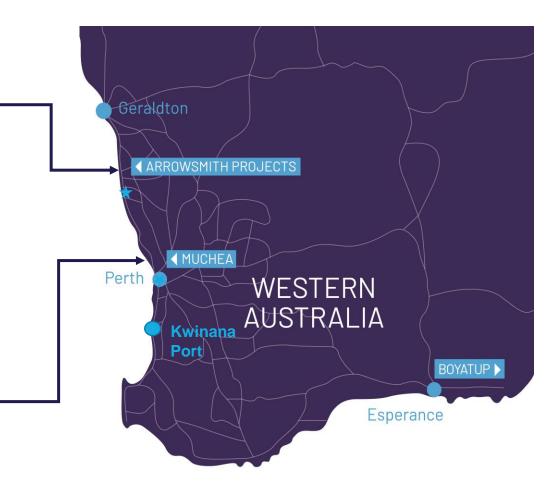
Arrowsmith North (100%)

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- High-grade with exceptional financial metrics
- · Close proximity to port and rail infrastructure
- Glass making and foundry products
- Potential +100 year mine life:
 - JORC Proved and Probable Reserve of
 - 221Mt @ 99.5% SiO₂
- Updated BFS completed March 2024
- Environmental and mining approvals expected Q2 2025
- Final offtakes and financing to follow

Muchea (100%)

- Very **high-grade** product with outstanding financial metrics
- Well located to key port and rail infrastructure
- Specialist solar panel glass products
- Potential +100 year mine life:
 - JORC Indicated and Inferred Resource
 - 208Mt @ 99.6% SiO₂
- BFS completed Oct 2019



Arrowsmith North Silica Sand Project

Project Site Vegetation Kwongan Heath Loose sand/shallow root systems suitable for VDT



Arrowsmith North

Near-term development opportunity for a world-class silica sand project

- Production expected to commence 8-12 months following final environmental approvals, finance and FID
- □ 221Mt Ore Reserve @99.5% SiO₂ (100-year production) (See Reserve Table)
- Grade controlled Proved Ore Reserve 9.2Mt for first 6 years of production
- Tailored 2Mtpa processing plant with patented process circuit, final capital estimate and independent technical review nearing finalisation
- □ Access to established infrastructure
 - Established bore for water from Yarragadee North deep aquifer
 - Access by adjacent Brand Highway
 - Potential hybrid gas and solar power supply



Arrowsmith North

Environmental and Mining Approvals Nearing Completion

- Original Referrals to Commonwealth and State environmental agencies late 2020
- Confirmation by Commonwealth of accredited State assessment under the EPBC Act
- Approvals for Mining, Works and Water lodged 2022
- EPA public review and response to submissions 2023-2024
- Final EPA report, recommendation to Minister and proposed approval conditions Jan 2025
- Awaiting final Ministerial consent following completion of appeals process, expected April 2025
- Commonwealth and other approvals expected Q2 2025



Arrowsmith North

Independent Technical Review Underway

Updated BFS (March 2024) demonstrates robust financial metrics for a World-class silica sand project

Ungeared NPV₁₀ of \$167m based on 25 years mining of a +100 year Reserve

Proved and Probable Ore Reserve of 221Mt @ 99.5% SiO₂

Four products for international foundry and glassmaking industries

Independent technical review by AMC Consultants to support financing nearing finalisation



Unique Mining

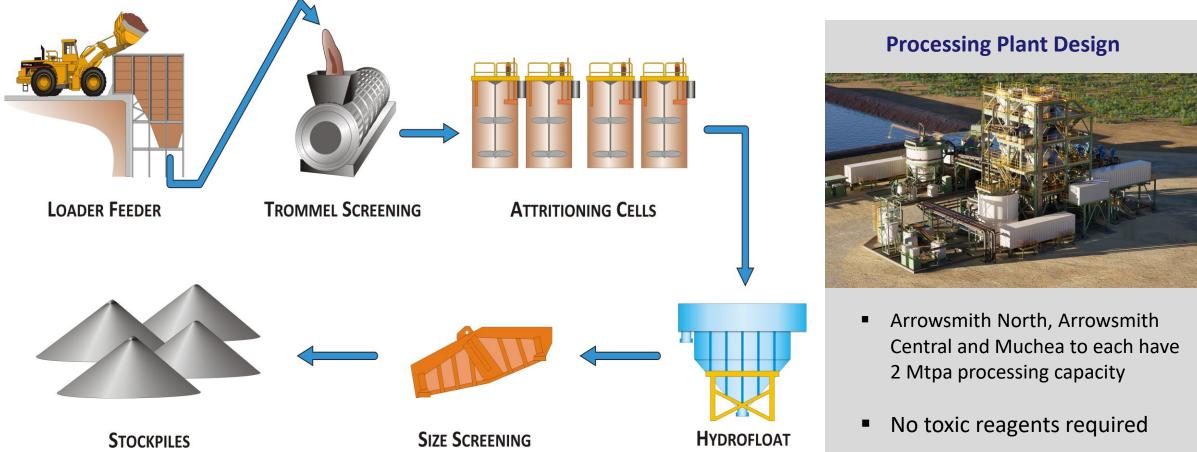
A made-for-purpose mining method designed around continuous rehabilitation

- VRX has developed a unique and continuous rehabilitation silica sand mining method
- The Vegetation Direct Transfer (VDT) method provides a rapid and comprehensive regeneration of mined areas
- Removes a 400mm-deep sod with topsoil containing the topsoil and native flora remaining intact
- Root structures in the loose sand are relatively shallow at 200-300mm in depth
- Modified loader bucket required for VDT fabricated and ready for use





Simplified wet processing, multiple products, no dust, 2mtpa processing plant at each site



Processing Plant Design

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No dust No toxic chemicals

Muchea Silica Sand Project Site

Vegetation: Banksia Woodland Low grasses and sedges suitable for VDT



Muchea

Large scale, world class high-grade and low impurity silica sand project

- Production to follow Arrowsmith North subject to EPA approval
- Utilise VDT and duplicate plant
- Access to established infrastructure
 - Underutilised railway connects to Kwinana (100km)
 - Grid power
 - □ Water from Yaragadee deep aquifer
 - Adjacent to Brand Highway
- Granted Mining Lease and Miscellaneous Licences for access
- Significant metallurgical testwork +99.9% SiO₂ <100ppm Fe₂O₃ after processing (high-grade, low impurity)



Muchea

Downstream processing capabilities

- Critical Minerals Prospectus VRX Muchea project is included in the 2024 Critical Minerals Prospectus published by Austrade (now online)
- Raw material for premium ultra-clear cover glass production for solar panels
- Potential for production of solar panels in Western Australia
- Potential for production of silica flour for LCDs and other applications
- IAF Grant VRX has received a grant from the Western Australian Innovation Attraction Fund to investigate the production of silica flour:
 - 1 tonne sample successfully tested by specialist laboratory in Germany
 - □ Samples despatched to potential buyers
 - □ Significant interest in products capable of production



Sustainability, Environment, Social and Governance (ESG)

VRX is delivering on its ESG responsibilities aligned to the UN's Sustainable Development Goals





Corporate Summary



Capital Structure				
Share Price	A\$0.046*			
Ordinary Shares on Issue	747 million			
Options on Issue	92 million			
Market Capitalisation	A\$34 million*			
Cash	A\$4.8 million**			
Debt	Nil			
Enterprise Value	A\$29.2 million			

Shareholders				
Board and Management	10%			
Top 20 Total	37%			

* Closing share price on ASX on 31 March 2025

** Cash at 31 March 2025



Our Team

Board

Executive

Person	Role	Experience		Person	Role	Experience
Paul Boyatzis	Chairman	Governance: over 30 years' experience in investment, equity markets and managing public companies		Ryan Baxter	General Manager	Production: 15 years' experience in mining and construction with 10 years exporting silica sand
Bruce Maluish	Managing Director	Technical and finance: over 40 years' experience in mining industry including previous roles as ASX MD and General Manager	David Reid		Exploration Manager	Technical: responsible for exploration and mineral processing
Peter Pawlowitsch	Non- Executive Director	Senior executive: finance and corporate roles		Steven Papadopoulos	Commercial Manager	Legal and commercial: over 25 years' experience as corporate lawyer and commercial advisor
David Welch	Non- Executive Director	Senior executive: responsible for strategy, business transformation and performance, commercial negotiations	transformation and		Marketing Manager	in resources and other industrie Marketing: 19 years' experience selling silica sand in the Asian market

Right Time, Right Place

Opportunity for WA to capture an economic advantage of abundant silica sand and domestic gas reserves to build world-class glass manufacturing and downstream processing industries

- Very long life, high-grade silica sand supply with combined 1.4 billion tonne Resource, 99.6% to 96.5% SiO₂ grade
- Arrowsmith North environmental and other approvals expected Q1 2025

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- □ WA domestic gas reserves and burgeoning hydrogen projects in mid-west, with exposure to geothermal energy solutions
- Long term supply of essential raw materials and potential green energy for glass manufacturing (LNG gas/wind/solar/hydrogen)
- High-tech ultra-clear glass and HPQ production capability from Muchea
- Manufacturing of solar panels in WA for a huge and growing market in Australasia



Thank you

Bruce Maluish

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VRXSILICA Silica Sand Resources and Reserves

Mineral Resources - as at 30/06/2024

Project	Classification	Mt	SiO ₂ %	Al ₂ O ₃ %	Fe ₂ O ₃ %	TiO ₂ %	LOI %
	Indicated	29	99.6	0.1	0.03	0.1	0.2
Muchea	Inferred	179	99.6	0.1	0.02	0.1	0.2
	Total	208	99.6	0.1	0.02	0.1	0.2
	Measured	10	95.9	1.9	0.7	0.3	0.7
Arrowsmith	Indicated	237	97.7	1.0	0.4	0.2	0.5
North	Inferred	266	98.4	0.7	0.3	0.2	0.4
	Total	513	98.0	0.9	0.3	0.2	0.4
Arrowsmith Brand	Inferred	523	97.3	1.4	0.4	0.2	0.6
	Total	523	97.3	1.4	0.4	0.2	0.6
Arrowsmith	Indicated	28.2	96.6	1.7	0.4	0.2	0.7
Central	Inferred	48.3	96.9	1.5	0.4	0.2	0.7
	Total	76.5	96.8	1.5	0.4	0.2	0.7
Boyatup	Inferred	60	97.8	0.8	0.2	0.1	0.9
воуатир	Total	60	97.8	0.8	0.2	0.1	0.9

Total Mineral Resource 1,381 Million Tonnes

Ore Reserves - as at 30/06/2024

Project	Classification	Product	Mt	SiO ₂ %	Al ₂ O ₃ %	Fe ₂ O ₃ %	TiO ₂ %	LOI %	
Muchea	Probable	F80	10.2	99.9	0.02	0.008	0.03	0.1	
		F80C	4.25	00.0		0.000	0.00	0.1	
		F150	4.25	99.8	0.07	0.015	0.035	0.1	
Mu	chea Ore Res	erve	18.7	Million Tonnes					
		AFS20	0.8	99.5	0.25	0.07	0.05	0.1	
	Bround	AFS35	3.9	99.5	0.5	0.06	0.05	0.1	
	Proved	AFS55	2.7	99.2	0.5	0.1	0.05	0.1	
		Local	1.8						
Arrowsmith	Proved Ore Reserve 9			Million Tonnes					
North	Probable	AFS20	24.2	99.5	0.25	0.07	0.05	0.1	
		AFS35	102.5	99.5	0.5	0.06	0.05	0.1	
		AFS55	51.1	99.2	0.5	0.1	0.05	0.1	
		Local	34.1			-	· · · · · ·		
	Probable O	212	Million Tonnes						
Arrowsmith North Ore Reserve				Million	Tonnes	5			
	Probable	CF400	4.2						
Arrowsmith		C20	8.4	99.6	0.25	0.04	0.03	0.1	
Central		C40	4.2	1					
		High TiO ₂	2.2			<1%	2%		
Arrowsm	Arrowsmith Central Ore Reserve			Million	Tonnes	5			
	Total Ore Reserve			Million	Tonnes	5			