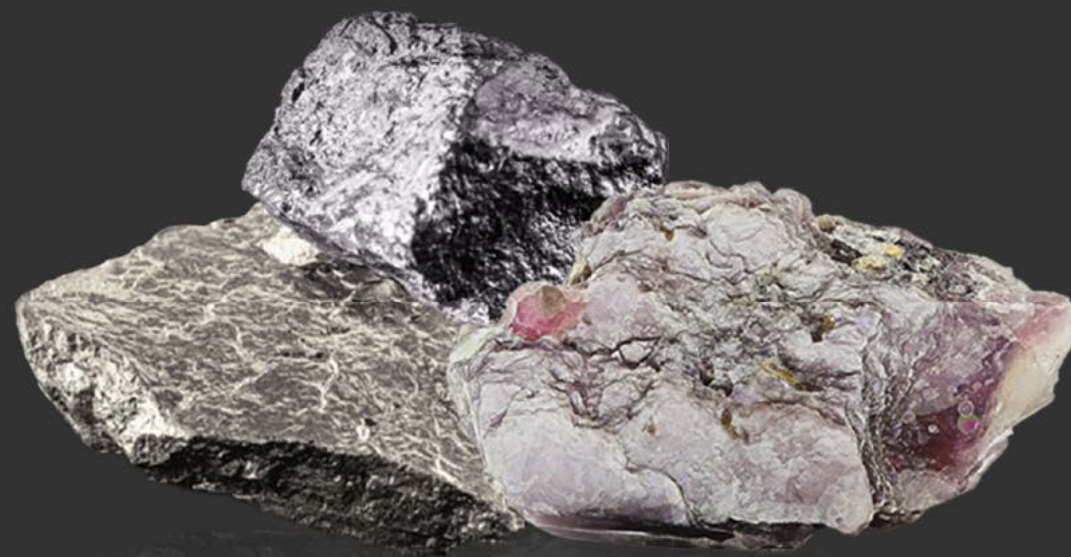


Minerals That Are Shaping Our World

Corporate Presentation
Q3 2022





Safe Harbour Statement

Certain statements in this presentation constitute “forward-looking statements” within the meaning of the Private Securities Litigation Reform Act of 1995 and Canadian securities legislation. Such forward-looking statements involve known and unknown risks, uncertainties and other factors which may cause the actual results, performance or achievements of the Company, or other future events, including forecast production, earnings and cash flows, to be materially different from any future results, performances or achievements or other events expressly or implicitly predicted by such forward-looking statements. Such risks, uncertainties and other factors include, but are not limited to, factors associated with fluctuations in the market price of precious metals, mining industry risks, recent operating losses, uncertainty of title to properties, risk associated with foreign operations, environmental risks and hazards, proposed legislation affecting the mining industry, litigation, governmental regulation of the mining industry, properties without known mineable reserves, uncertainty as to calculations of reserves, mineral deposits and grades, requirement of additional financing, uninsured risks, competition, dependence on key management personnel, potential volatility of market price of the Company’s common shares, dilution and certain anti-takeover effects. Such information contained herein represents management’s best judgment as of the date hereof based on information currently available. The Company does not intend to update this information and disclaims any legal liability to the contrary.



The Opportunity

- Early Stage Exploration and Development with near term production assets.
- Relative newcomer into Lithium Market with low market cap
- Initiated Feasibility Study on Manono Tailings Project for a 100ktpa production of 6% Li_2O Spodumene Concentrate (LOM of 6-8 years)
- High discovery potential with exploration drilling on hard rock lithium Corridor.



Focused on 3 Metals, All Facing Critical Shortages



Lithium

- Lithium-ion will be the leading technology in the electric vehicle (EV) industry.
- Market will be supply-constrained until into 2030.
- CAGR of 19% year on year 2022 to 2027, from 119,000 MT to 292,000 MT of lithium LCE. The EV industries need roughly five new mines each year.



Tin

- Tin is in a structural deficit with supply lagging demand.
- Tin is used mainly in: Solder 48% (essential for new technologies, especially semiconductors).
- Consumption of Tin will grow from 2022 to 2027 at a rate of 2.5% CAGR, year on year.



Tantalum

- Tantalum is considered a technology-critical metal.
- 75% of electronic components contain tantalum.
- CAGR of 4% year on year.
- Mainly used in: Capacitors - 44%, Engine Turbine - 22%, Semiconductors - 10%, Chemical Processing Equipment - 6%.



Developing Lithium, Tin and Tantalum Projects in Africa.

Manono Tailings project

Tailings Reclamation containing Lithium, Tin and Tantalum. Mineral Resource Estimate expected for November 2022.

Pegmatite Corridor Exploration project

Extensive hard rock Lithium potential immediately adjacent and downstrike from recently proven 400Mt lithium resource.

TiTan project

Tin and Tantalum alluvial concentrates production schedule to commence in Q1 2023.



Board of Directors



Hadley Natus
Chairman

Founder of Afrimet Resources, Hadley is an experienced commercial and operational centered around African business. Previously held roles in Trafigura and MRI Trading.



Eric Allard
CEO

Geologist, with 20 years experience in project and operations management. Held positions in both Canada and Africa, being actively involved in both commercial and technical project management.



Dr. Luisa Moreno
Director

A PhD, experienced in finance, business development and technical research. Luisa has advised governments and corporations on all forms of mine development and ESG related issues.



Yves Kabongo
Director

A Congolese native with a strong experience in directorship and management of Canadian, International and Congolese public companies. Yves has a trading background focused on Tin, Tantalum and Tungsten.



Simon Collins
Director

A commodities executive with over 25 years experience. Whilst at Trafigura, Simon was a member of the Management Board, with overall responsibility for the Metals and Mineral business.



Klaus Eckhof
Director

A geologist with over 20 years experience. Klaus was the founder and Executive Chairman of AVZ Minerals and key to early exploration efforts at the now known Alphamin Resources Tin Mine in the DRC.



Matthew Botell
Director

25 years experience in commodities, former trader and COO of Trafigura's Metals and Mineral division. Matthew is a co-founder and architect of the TradeCloud digital commodities platform.

Management



Kyle Appelby
CFO

Kyle has held executive roles in public and private companies in Canada and abroad, focused on financial reporting and controls, governance, financing, regulatory compliance and taxation.



Jeffrey Lindhorst
Head of
Exploration

An Australian geologist with over 30 years experience building and leading teams in exploration. Jeffrey has worked on diverse projects globally and has significant experience in African, including the DRC.



Jose Alberto Abad
DRC Country
Manager

Jose has over 20 years experience in Accounting and Project Finance and a member of CIMA. Previous roles include nine years at Almarai. An extremely well respected professional in the DRC.



Hannes Miller
COO

Over 40 years of experience focused on mining engineering and production all over the world. Hannes held senior positions at companies such as First Quantum Minerals, MGT International and Canadian Esperanza Resources.

Manono Tailings Project

PATH FORWARD

- Maiden Resource Estimate to be released – November 2022
- Appointment of Engineering Firm to conduct PEA and PFS. PFS scheduled for completion in June 2023.
- Environmental & Social impact Assessment (ESIA) commenced October 2022 –
- Phase 2 Metallurgical tests – commenced October 2022
- Conditional to Investment Decision by Q2/Q3 2023 and Financing secured, start of production scheduled by January 2025

Fast tracking for Q1 2025 production



Manono Tailings Project

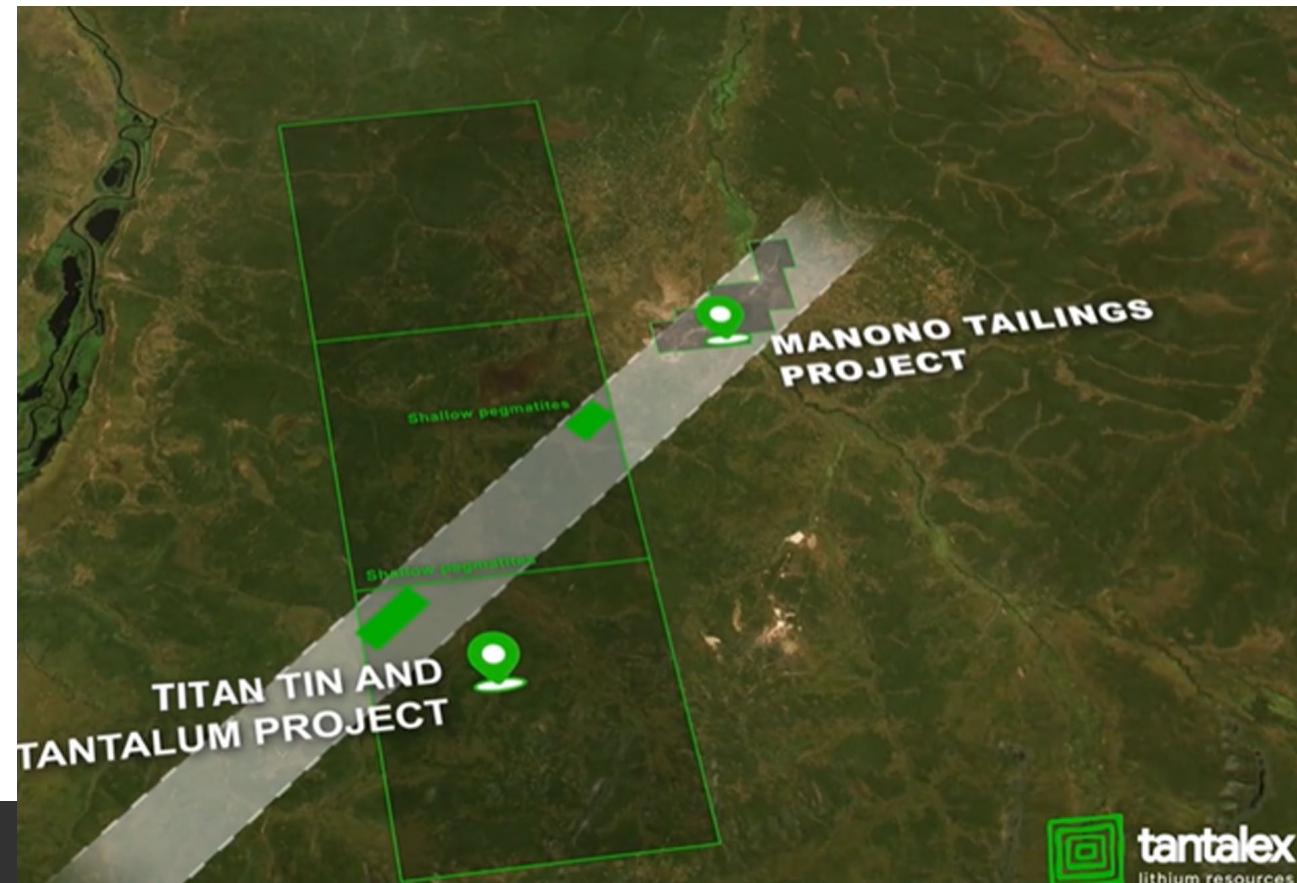
Phase 1 of the Manono Tailings project will focus on exploitation of the southwest dumps, namely dumps K, G, and I. Dump C will be considered in a Phase 2 program. Phase 1 mine life evaluated at 6.5 years producing 100, 000 tons of SC per year.

- Heavy Liquid Separation (“HLS”) tests produced a 6.5% Li₂O spodumene concentrate at overall lithium recoveries exceeding 60%. from 2 ton bulk samples taken from the K-dump
- Fe₂O₃ content of +- 1.3% in final spodumene concentrate to be reduced further with magnetic separation in Phase 2 testworks.
- Upstream classification, Dense Media Separation (“DMS”) gravity concentration and flotation technologies will be evaluated during the Phase 2 testwork program to design the optimal recovery for lithium, tin, and tantalum extraction.

Pegmatite Corridor Exploration Project

- Located southwest of a proven 400 million mt resource which extends throughout our licences 12447 and 12448
- 25 km long, 5 km wide corridor, which has been defined by an aeromagnetic survey. 400Mt Li resource Li-Sn-Ta deposit located 9km to the northeast, along the trend of the corridor
- Two 4 km x 2 km radiometric K anomalies are located at the northeast and southwest ends of the corridor, indicating the presence of pegmatites below a shallow cover
- Planned drilling program of 20,000m over the next 9 months.

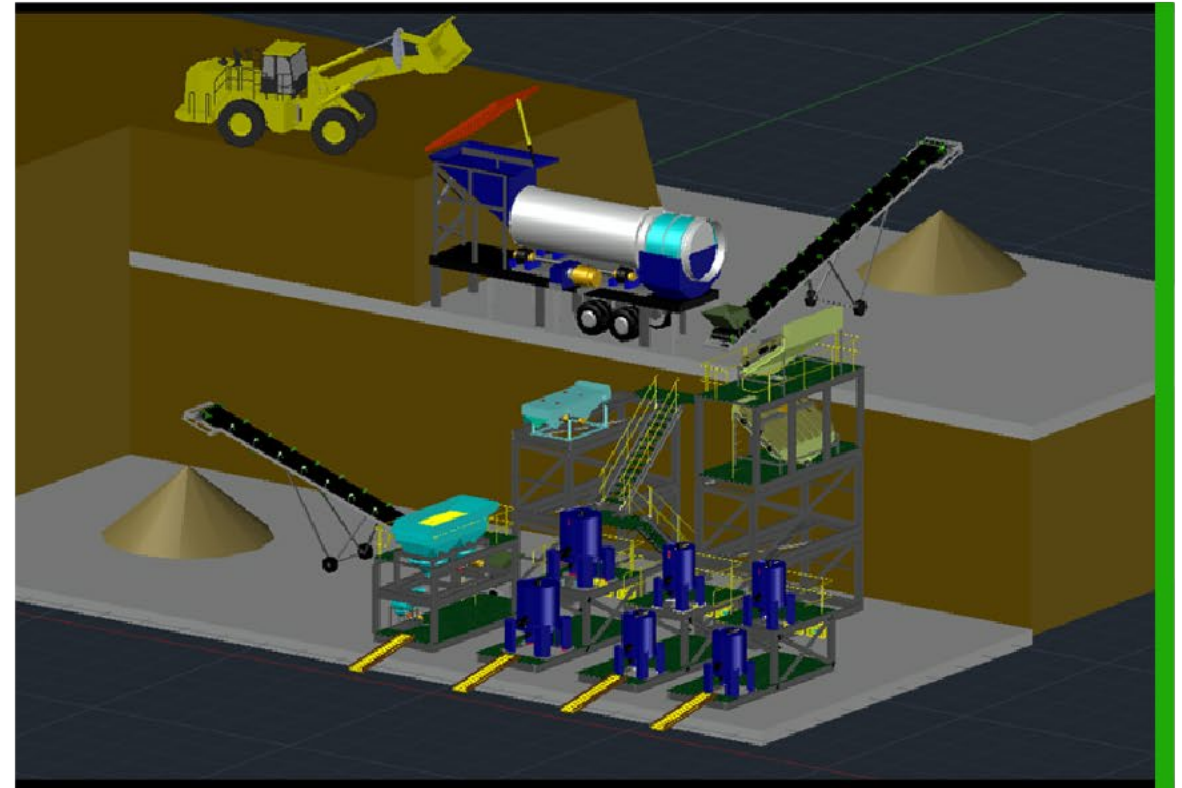
Extensive hardrock Lithium potential

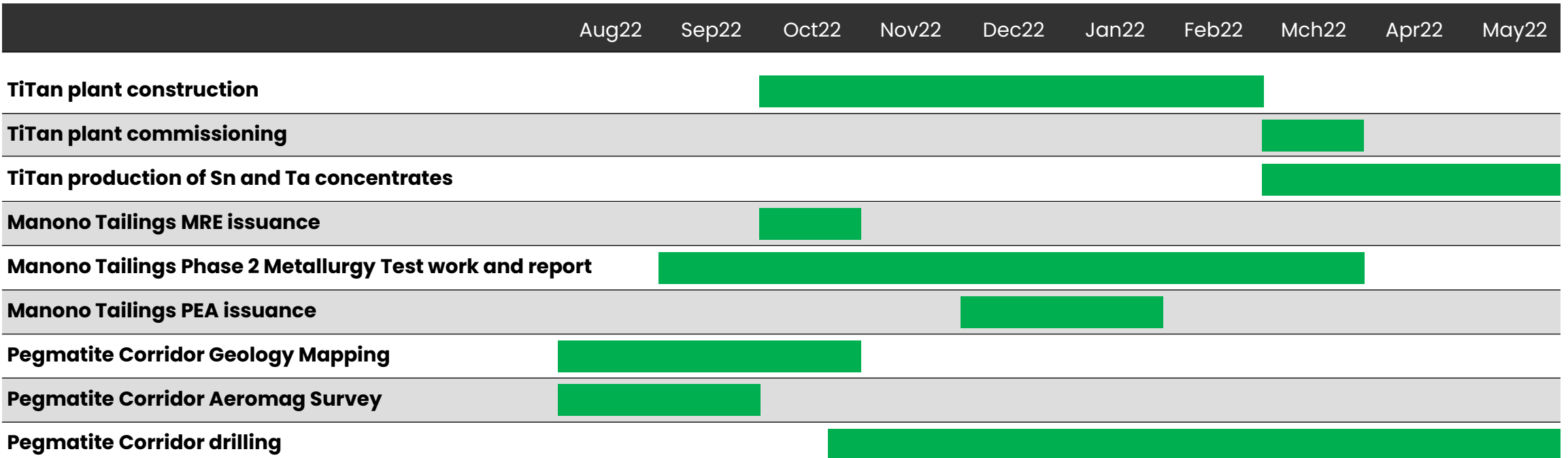


TiTan Project

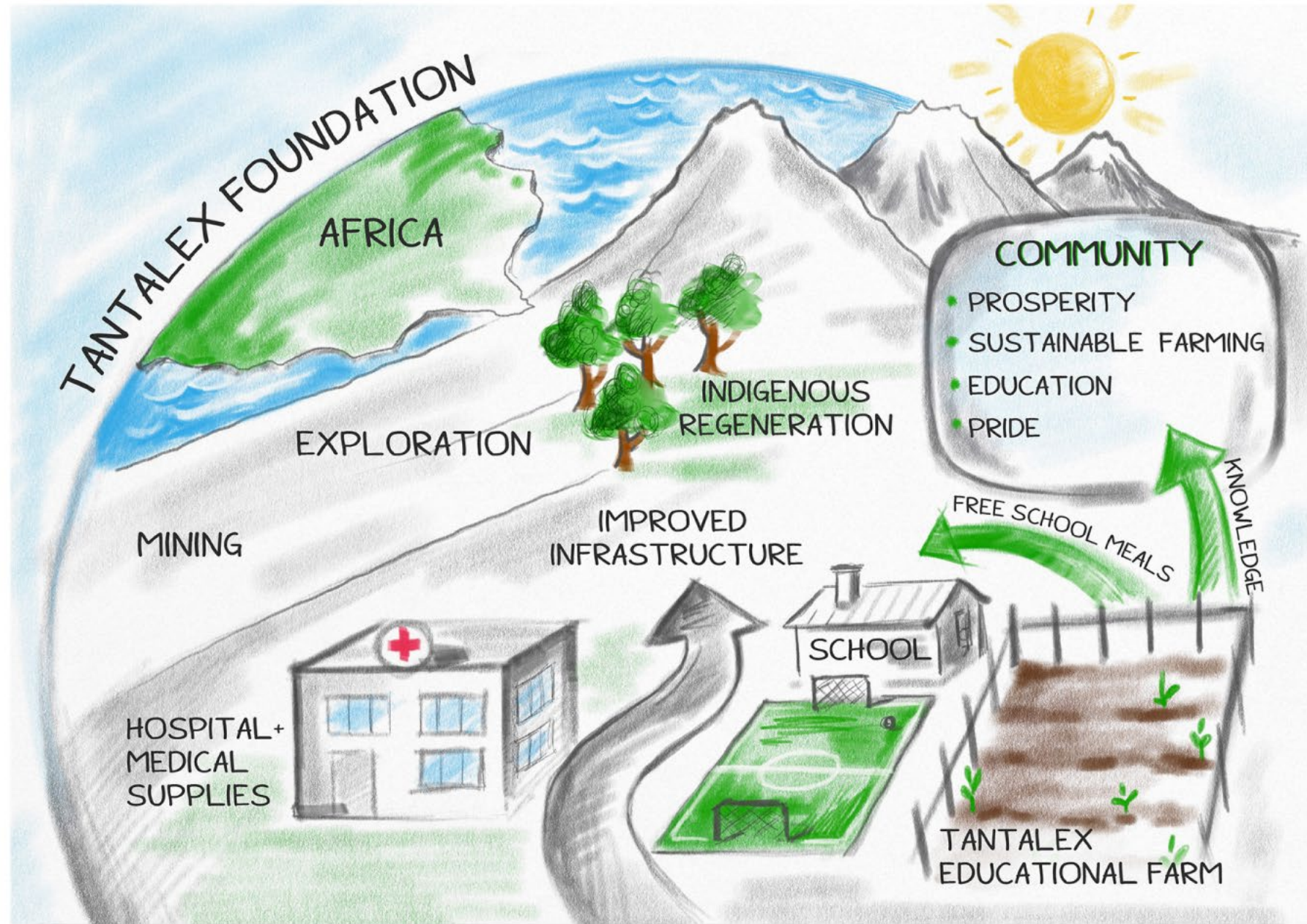
- A tin and tantalum alluvial rich area sitting above the pegmatite corridor in license 12447
- Transformation of licence to a mining concession received in October 2022.
- Plant and heavy machinery already mobilized to Manono. 120 days planned for plant construction and 30 days for commissioning.
- Production scheduled to commence in March 2023
- Projected to produce approximately 1,400 dmt of Tin concentrate and 220 dmt of Tantalum concentrate per annum
- Substantial Cashflow revenue to finance further exploration.

Tin and Tantalum concentrates production as of Q1 2023





Our Vision

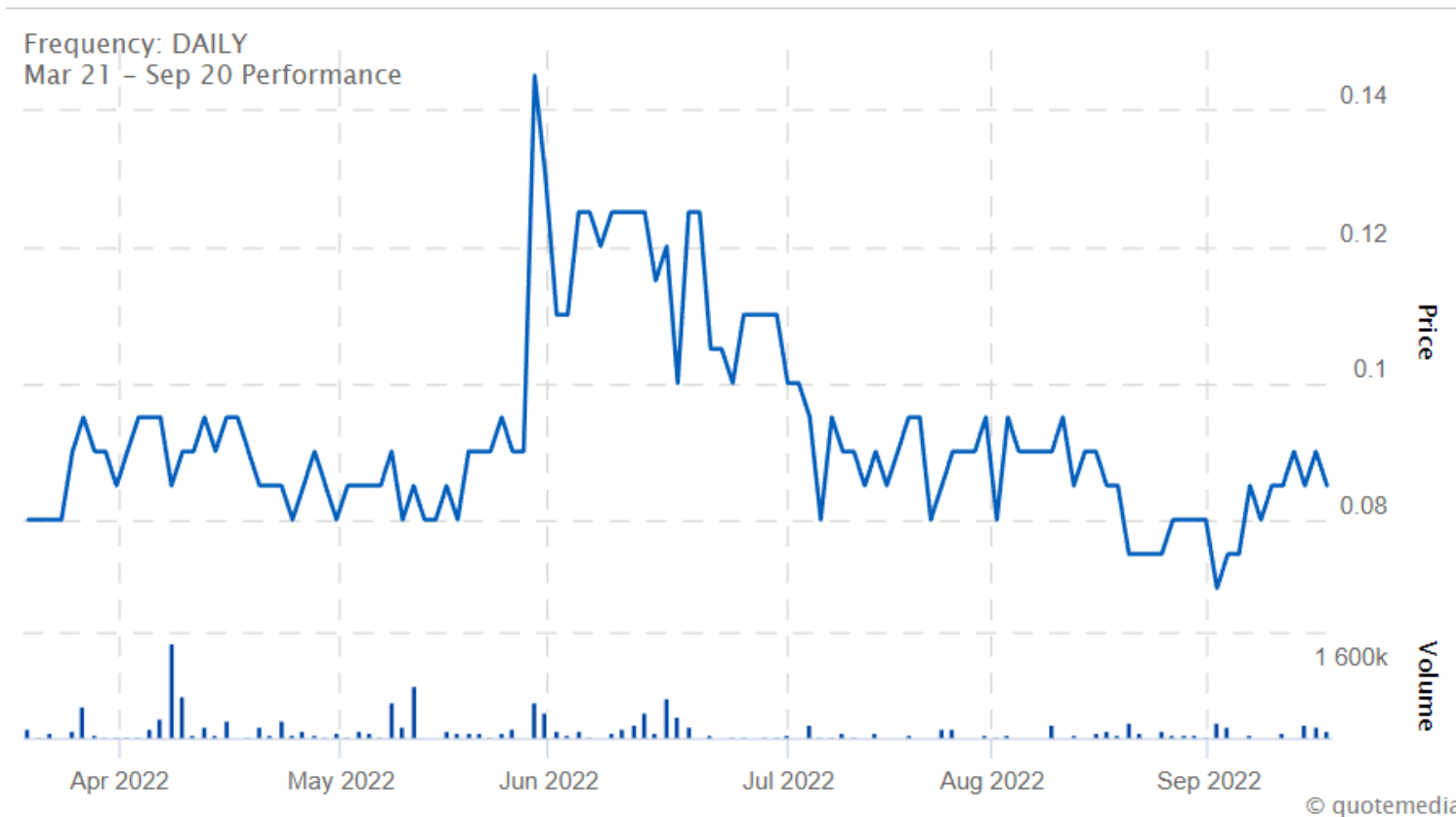


Share information

Capital Share Structure

Common Shares ISSUED as of Oct 15 th , 2022	522 785 256
Options & RSU	49 150 000
Warrants	2 500 000
Reserved for Issuance	121 613 912

Fully Diluted 651 814 168



Market Capitalization of Peer Hard Rock Lithium Developers (as of Sept 20, 2022)

Company	Project	Location	Grade (%Li ₂ O)	Global Mineral Resource Estimate (mt)	Contained LCE (mt)	Market Cap (USD)	Stage
Tantalex Lithium	Manono Tailings	DRC				\$39M	Exploration- MRE to be confirmed
Atlantic Lithium Ltd.	Ewoyaa	Ghana	1,31%	14.5	0.46	\$300M	Exploration-MRE confirmed
AVZ Minerals	Manono Kitotolo	DRC	1.65%	400.0	16.32	\$1 920 M	Development-DFS
Core Lithium	Finniss	Australia	1.32%	14.7	0.48	\$1 675M	Exploration-DFS
European Lithium Ltd	Wolfsberg	Austria	1.00%	6.3	0.30	\$115M	Exploration-PFS
Essential Metals Holdings Ltd	Cinovec	Czech Republic	0.42%	708	7.39	\$78M	49% ownership
Leo Lithium	Goulamina	Mali	1.46%	108	3.9	\$605M	Development-DFS
Piedmont Lithium	Carolina & NAL	USA/Canada/Ghana	1.10%	27.9	0.76	\$1 130	Exploration - PEA
Liontown Resources Ltd.	Kathleen Valley	Australia	1,40%	156	5.32	\$2 500M	Development-DFS
Sayona Mining Ltd.	Authier/NAL/Moblan	Canada	1.01%	20,94	2.75	\$1 470M	Development-DFS
Frontier Lithium	Spark & PAK	Canada	1.60%	41.8	1.5	\$375M	Exploration
Patriot Battery Metals	Corvette	Canada				\$435M	Exploration - MRE to be confirmed
Sigma Lithium	Grota do Cirilo	Brazil	1.55%	74	2.8	\$2 644M	pre construction

Highlights



Lithium, Tin and
Tantalum tailings
deposit above
ground



Greenfield
exploration potential
in a prominent
lithium district



Near term
production of Tin
and Tantalum
concentrates



Experienced
management
team



Results driven
board of
directors



Sustainable
development of
our resources





Thank you!



For more information, please contact us.



www.tantalex.ca



info@tantalex.ca

follow us

