

Qualified person & forward looking statements

Mr. Craig Scherba, P.Geo., President and CEO of NextSource Materials, is the qualified person who reviewed and approved the technical information provided in this presentation.

Safe Harbour: This presentation contains statements that may constitute "forward looking statements" within the meaning of applicable Canadian and United States securities legislation. Readers are cautioned not to place undue reliance on such forward-looking statements. Forward-looking statements in this presentation relate to the results of the Feasibility Study, funding of the development of the Molo Project, implementation and commencement of the build-out of the Molo Project, commencement of production at the Molo Project, commencement of procurement for mine infrastructure, the procurement of equipment to construct a mine, value engineering, any and all product test results and product analysis, and the permit application. These are based on current expectations, estimates and assumptions that involve a number of risks, which could cause actual results to vary and in some instances to differ materially from those anticipated by the Company and described in the forward-looking statements contained in this press release. No assurance can be given that any of the events anticipated by the forward-looking statements will transpire or occur or, if any of them do so, what benefits the Company will derive there from. The forward-looking statements contained in this presentation are made as at the date of this presentation and the Company does not undertake any obligation to update publicly or to revise any of the forward-looking statements, whether as a result of new information, future events or otherwise, except as may be required by applicable securities laws.

Other forward looking statements relate to growth of the lithium-ion market, graphite demand in the future, electric vehicle projections and other market demands for graphite. These are based on current expectations, estimates and assumptions that involve a number of known and unknown risks, uncertainties and other factors that could cause actual results to vary and in some instances to differ materially from those anticipated by the Company and described in the forward looking statements contained in this presentation. These risks include, but are not limited to access to sufficient capital, governmental and political risks in Madagascar, legal and accounting risks, compliance with various regulators, potential loss of key personnel, no certainty as to commercial production of the Molo mine, inherent changes in mineral exploration and development, delays, external market factors, negative operating cash flows, lack of demand for graphite, cost overruns, permitting issues, fluctuations in the price of graphite, labour issues, title disputes and fluctuations in currency. Criteria of these risks and other risks are outlined in the companies 2019 Molo Technical Report, available at SEDAR.com, which investors are highly encouraged to review. No assurance can be given that any of the events anticipated by the forward looking statements will transpire or occur or, if any of them do so, what benefits the Company will derive there from.





The graphite market is opaque.

Lots of misinformation.

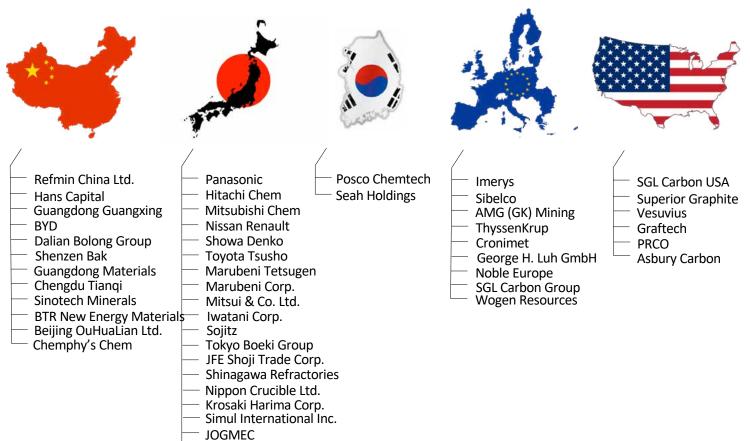
Need to do your homework.

NEXTSOURCE

We have done our homework

Honda

Management has had extensive face-to-face interaction with global end buyers in order to understand the graphite market.





Flake is the only type of graphite that can be used in all demand applications

675,000 tonnes per year



Graphite Mining (Flake)

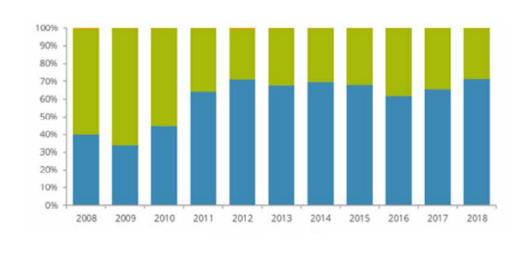
China 56%

Mozambique 17%

Brazil 14%

India 4%

Madagascar 2%



Flake

Amorphous

Vein



#2 BATTERIES

~20%

Experiencing largest growth.

Forecasted to be **#1** this decade.





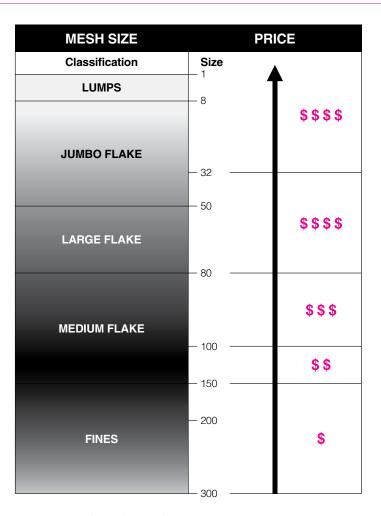
Graphite pricing

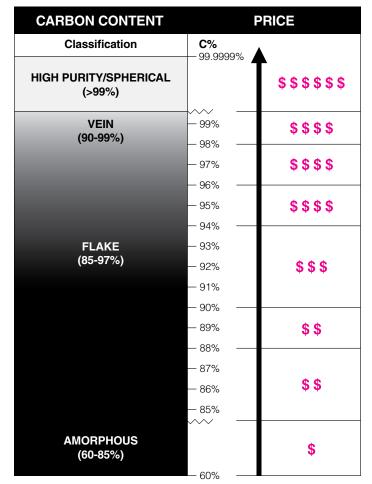
The larger the flake size, and higher the purity, the higher the price.



Graphite pricing explained

Two factors at play: flake SIZE and flake PURITY (carbon content)



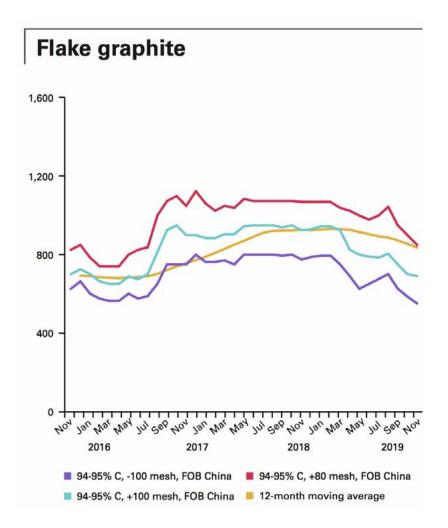


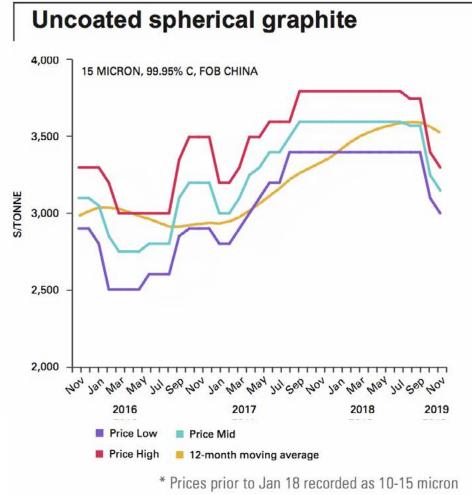
Additional processing costs required to achieve this





Graphite prices







Paradigm shift in automotive



Major OEM investments into battery factories



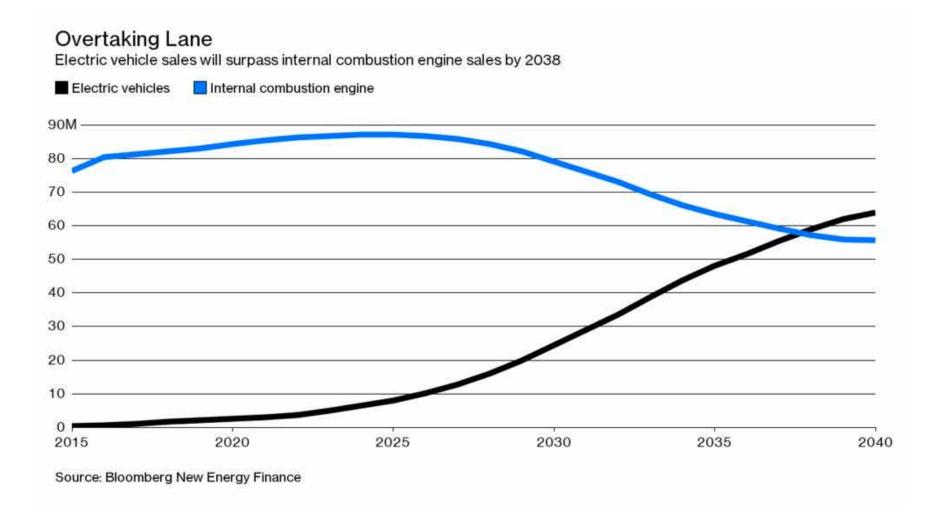
EV sales expanding rapidly

- 2018 was another record-breaking year for global electric car sales (1.98 million), raising total global stock to 5.12 million.
- Global EVs to hit 130 million by 2030





The tipping point for EV mass penetration is approaching





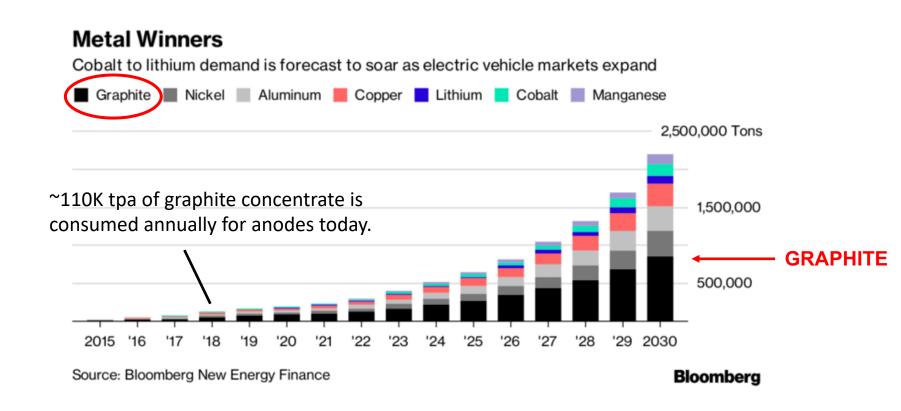
The four horseman of the ICE* apocalypse...



Graphite's VITAL role



Graphite is the largest raw material in Li-ion batteries by volume

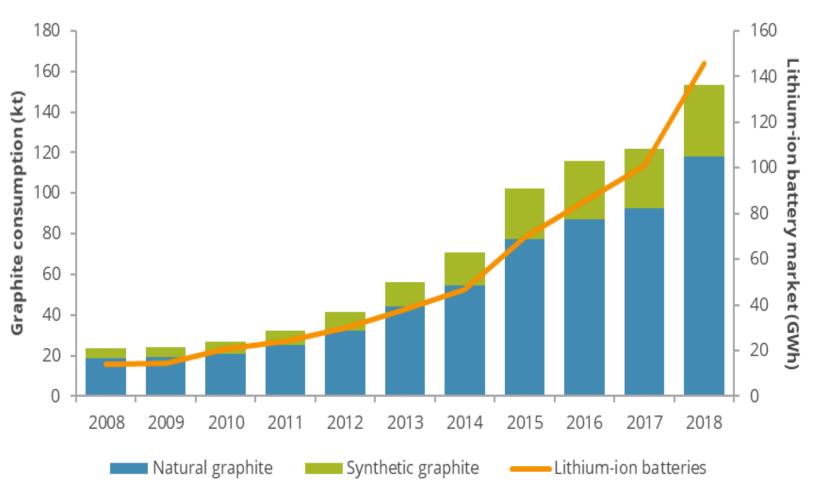


7x demand growth for graphite expected over next decade.



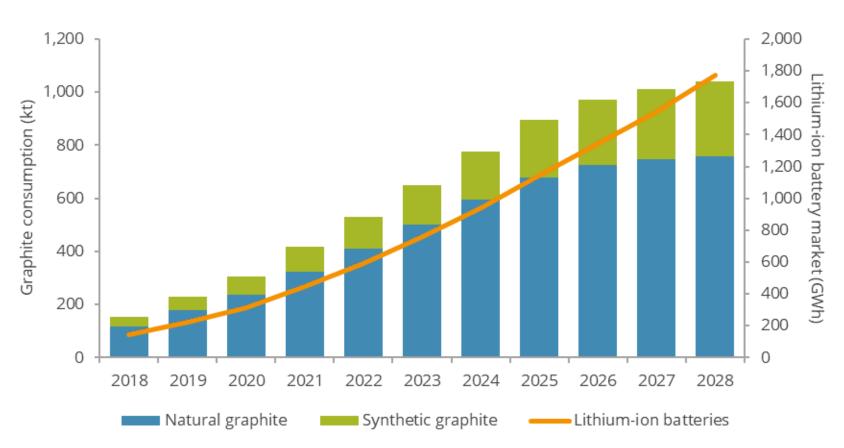
Graphite will remain the anode material of choice for Li-ion batteries

Consumption of raw graphite and lithium-ion battery market, 2008-2018



Graphite to face scaling issues with expected EV demand

Forecast consumption of raw graphite and lithium-ion battery market1, 2018-2028





EVs require significant amounts of graphite



Each 100kWh EV requires ~250 pounds of flake graphite.

Rule of Thumb: 2.5 lbs of flake graphite per kWh, all li-ion chemistries combined



Rise of the megafactories – Rapid and relentless

84 megafactories in the pipeline.



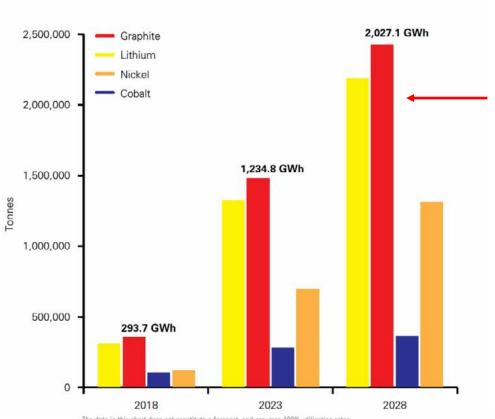
1,227.8 GWh

Total battery megafactory capacity in pipeline to 2023



Megafactory impact on raw materials

Raw material demand vs global lithium ion cell/Megafactory capacity



MATERIAL	2018	2023	2028
LITHIUM	305,577	1,323,842	2,190,361
GRAPHITE ANODE	352,440	1,481,736	2,432,496
COBALT	98,141	277,912	360,380
NICKEL	116,616	694,523	1,314,677
TOTAL GWh	293.7	1,234.8	2,027.1

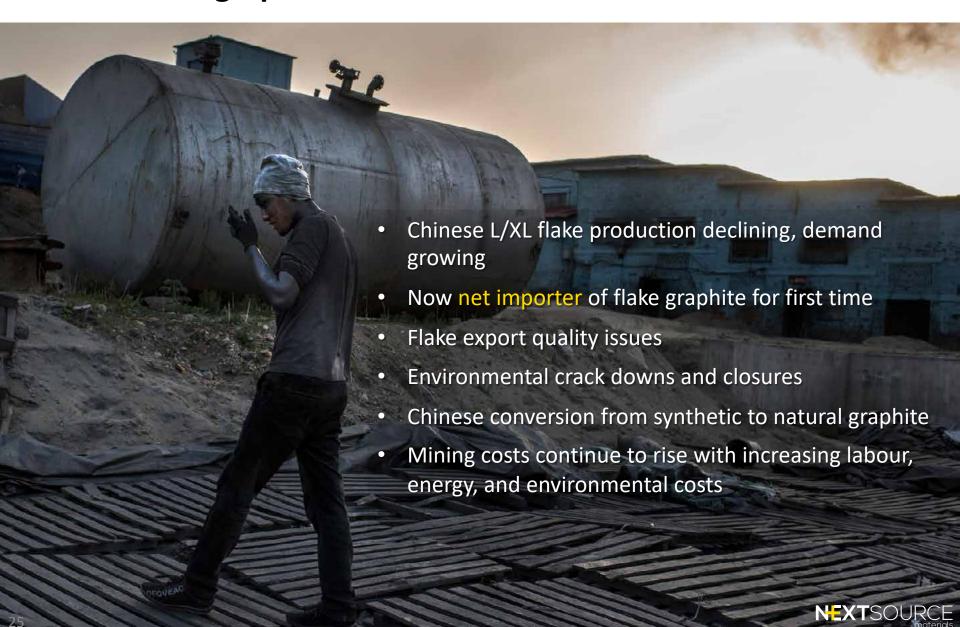
More graphite mines will be needed to meet EV demand.

The data in this chart does not constitute a forecast, and assumes 100% utilisation rates

Benchmark's forecast numbers are available via a separate subscription, please contact info@benchmark minerals.com for further information



China and graphite



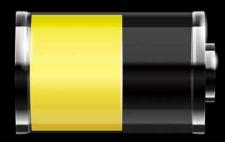
Market reality check.



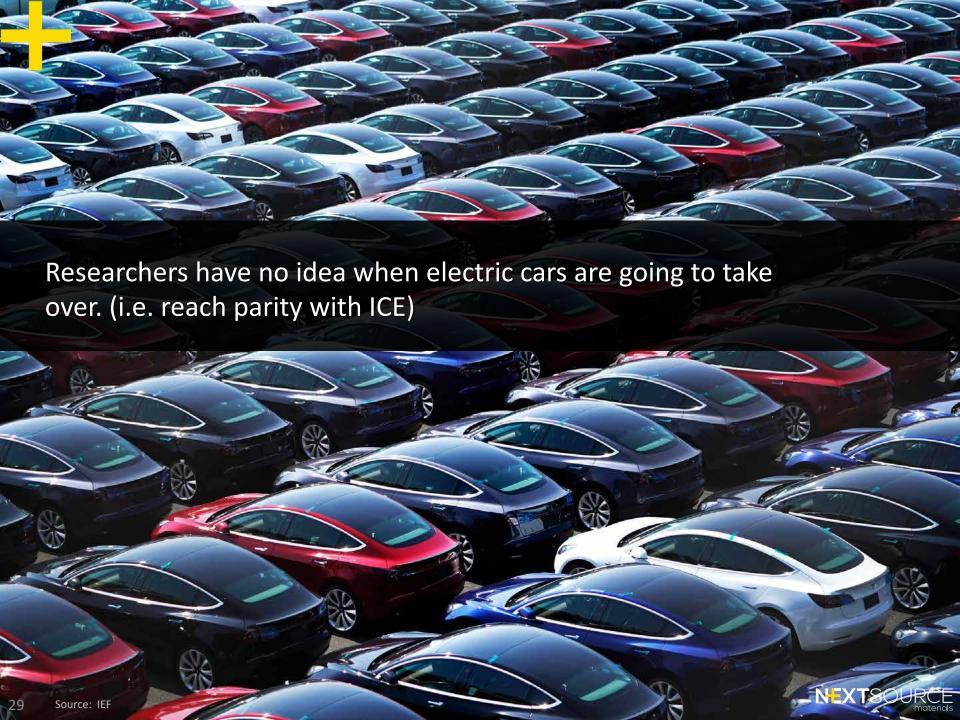


Battery anodes still a relatively small market for natural graphite ...for now.

18% Charged
Full charge in 5-10 years







Beware projects that:

Relying solely on a battery or graphene story.

Promote overly-large production volumes in order to state a low operating cost.

Make metallurgical / economic claims without a technical Feasibility Study to back them up.





Projects *must be economical* based on selling to traditional markets at *realistic* volumes and prices TODAY.





The Molo Project



Molo flake graphite project Fotadrevo, Madagascar



Madagascar is no stranger to mining.



>\$8 Billion Ambatovy Nickel & Cobalt Mine



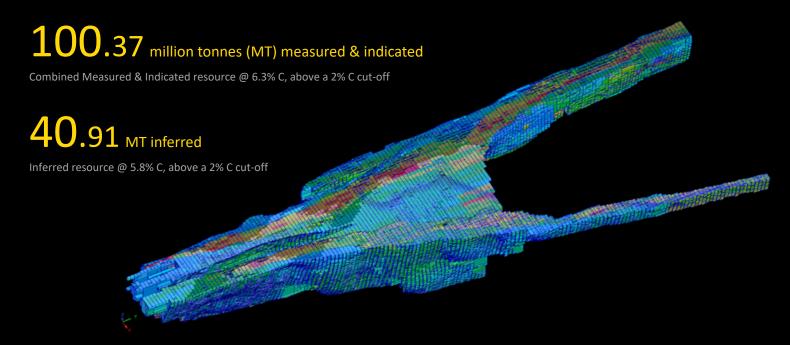
\$1 Billion QMM Rio Tinto Ilmenite Mine



Ideally located to key demand markets



Very large resource



RESOURCES; above a 2% C cut-off

- 23.62 Mt) Measured @ 6.32%,
- 76.75 Mt Indicated @ 6.25% C
- 40.91 Mt Inferred @ 5.78% C

RESERVES; above a 4.5% C cut-off

- 14.17 Mt Proven @ 7.00% C,
- 8.37 Mt Probable @ 6.25% C
- 22.44 Mt Proven & Probable @ 7.02% C



With graphite, grade is **NOT** king.

There is strong evidence that there is an *inverse* relationship between head grade and flake size.



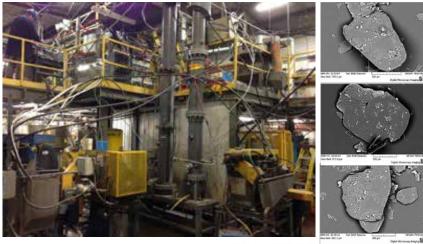
Molo SuperFlake® is a very high-quality concentrate

- 13 tonnes of flake graphite produced in full-scale pilot plant
- Almost 50% is premium large (+80mesh) & jumbo (+48mesh) flake
- 97%C-98%C achieved with simple flotation

SuperFlake® Distribution

Mesh Size	% Distribu	tion '	Grade % Carbon (t	t)
+48 (jumbo flake)	23.6		96.9	
+65 (coarse flake)	14.6		97.1	
+80 (large flake)	8.2		97.0	
+100 (medium-large flake)	6.9		97.2	
+150 (medium flake)	15.5		97.3	
+200 (medium-small flake)	10.1		98.1	
-200 (small / fine flake)	21.1		97.5	

46.4% large/jumbo flake



Molo pilot plant produced 13 tonnes of SuperFlake® at SGS Canada Inc.



Verified for all top demand markets by end-users



- 98% carbon (c) purity achieved with simple flotation
- Excellent thermal expansion (>500x) for graphite foil applications
- Easily upgraded to 99.97% C (battery grade)
- Verified by end users for ALL top demand markets for graphite



Steel Making / Refractories



Lithium Ion Batteries for Electric Vehicles



Graphene Inks



Fire Resistant Material

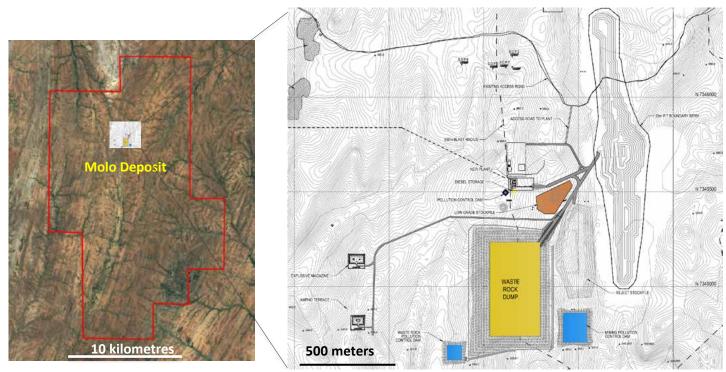


Expanded Graphite Foils for Consumer Electronics



Mining & Environmental permits in place for a large area

- Permitted area is very large
 - **176.4** km² or 17,640 ha
 - **68.11 mi**² or 43,590 acres
- >36 km of continuous graphite mapped on permitted area
- Exploration permits have an additional 200 km of surficial graphite





Easy extraction



Low environmental impact

All technical studies were undertaken/completed in accordance and partnership with:

- **Equator Principles**
- World Bank & IFC requirements
- South African and Malagasy environmental consultancy firms,
 - GCS Water and Environment Ltd.
 - AGETIPA (set up by World Bank)











Extensive community involvement & acceptance

Engaged in a multitude of community outreach programs.

- Training on how to improve agricultural yields
- Distribution and training of agricultural equipment selected by communities
- Training on how to effectively use organic fertilizers
- Establishment of 2 vaccination corridors; vaccination of 200 zebus
- Seeding of pastures for zebu grazing
- Construction of ponds for livestock
- Establishment of water wells in various communities
- Construction of community latrines
- Reconstruction of a local school











All-modular build approach - GAME CHANGER



Established and proven modular plant solutions fabricator currently supplying major CPG firms

- Entire plant is 35 modules
- Constructed off-shore (6 months) at contracted prices with equipment guarantee
- Factory Assurance Tested (1 month) prior to sign off by process engineers
- Dismantled & shipped to site (1 month)
- Re-assembled at site (1 month) with minimal mine footprint



Phased buildout plan

A phased buildout using a modular design allows for easy expansion as market demand requires.

Phase 2

- 45,000 tpa total production by adding 2 additional modules with 28,000 tpa capacity
- Supply refractory industry
- Supply expandable industry
- Supply Li-ion industry

Phase 3

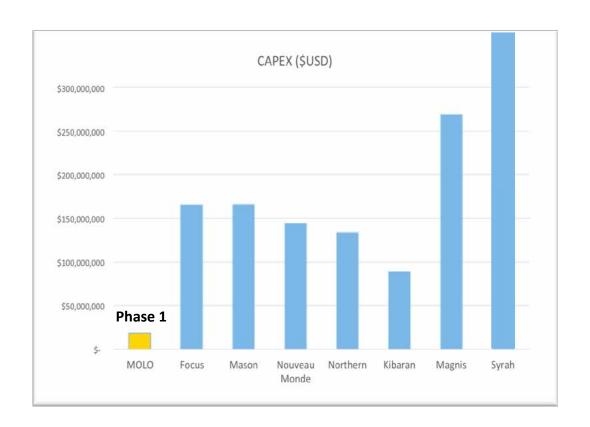
- Expansion
- Not quantified in FS; volume dictated by market demand
- Supply refractory industry
- Supply expandable industry
- **Supply Li-ion** industry
- · Value-add processing

Phase 1

- **17,000 tpa** production
- Supply refractory industry
- Supply expandable industry
- Validate for Li-ion supply chain with production-run material



Lowest CAPEX of any competing project



 us21_{million} + us$39_{million} = us$60_{million}$

PHASE 1

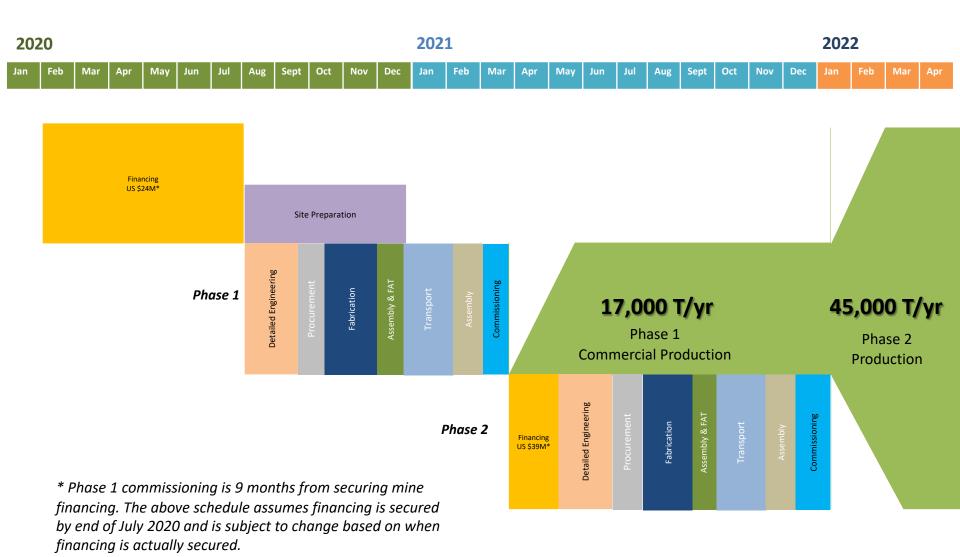
PHASE 2 **PHASE 1&2**

NEXTSOURCE

Lowest quartile operating costs



Accelerated scheduling due to phased modular build approach



Feasibility Study Results - Phases 1 & 2

- Assumes expansion from 17,000 T/yr to 45,000 T/yr in third year of production
- 30 year mine life
- Assumes NO gearing

NPV: 8% discount	US\$237.1M	US\$184.3M

Pre-tax

IRR: 43.1% 36.2%

Payback: 3.4 years 3.8 years

	Year 1-3	Year 3 Onward
Annual Production Graphite:	17,000 T/yr	45,00T/yr
CAPEX:	US\$21M	US\$46M
Working Capital	US\$3M	US\$7M
OPEX (Ex-plant):	US\$433/T	US\$381/T
OPEX (FOB Mada)	US\$566/T	US\$514/T
Average Head Grade:	8.05% (C)	7.0% (C)
Average Selling Price:	US\$1208/T	US\$1208/T



Post-tax

Off-Takes in place for Phase 1 and Phase 2

1) Primary graphite supplier to Japan's #1 EV anode producer



Terms

- 2,000 tonnes Phase 1
- +18,000 in Phase 2
- 10-year period
- FOB China pricing (floating)
- FOB Madagascar port delivery

Value-add Opportunity

- In discussions regarding potential JV collaboration on value-added, downstream products
 - graphite foils
 - anode plant (SPG -spheronized, purified graphite)

2) Finalizing offtake with major European steel maker and trader



Terms

- 15,000 tonnes Phase 1
- 10-year period
- FOB China pricing (floating)
- FOB Madagascar port delivery





NextSource also 100% owns Green Giant vanadium deposit

One of the largest delineated vanadium deposits in the world

Classification	Tonnage	V ₂ O ₅	Grade
(at 0.5% V ₂ O ₅ cut-off)	(million tonnes)	(million pounds)	$(\%V_2O_5)$
Indicated	49.5	756.3	0.693
Inferred	9.7	134.5	0.632

- Separate from graphite resource
- Sedimentary deposit (i.e. NO magnetite)
- At surface
- Expandable as delineated over 50km trend

Vanadium flow batteries competitive for grid-scale energy storage*

- Store up to hundreds of MWh of energy
- May be charged by renewables or baseload power plants
- Deliver power near instantaneously
- Much longer life that Li-ion batteries can be easily scaled up



The "Other" Gigafactory; world's largest battery by Rongke Power.



Strong operations team with extensive Madagascar experience



Craig ScherbaPresident and Chief Executive Officer P.Geo.

- Discovered both the graphite and vanadium deposits as former head of exploration in Madagascar
- Former managing partner of Taiga Consultants Ltd. that developed Nevsun Resources' gold/copper/zinc Bisha project in Eritrea
- · Extensive African experience, including Madagascar



Oliver PetersSr. Consultant, Process Engineering PrEng

- Head process engineer at SGS Minerals Canada (Lakefield)
- · Former process engineer at DRA Global
- 25+ years of process engineering experience in Africa and Canada
- Extensive graphite processing experience



Robin Borley Chief Operations Officer Pr.Tech Eng

- Former Director of Mine Operations for DRA Global
- 25+ years experience building and operating mines internationally
- Extensive operation experience in Madagascar (coal)



Johann de BruinSenior Consultant, Operational Readiness PrEng

- · Managing Director, Erudite Strategies
- Retired Managing Director of DRA Global Africas
- 30+ years of mining operations experience in Africa, Australia and Canada, including graphite mining



Dean ComandNon-Executive Director, P.Eng

- Former VP of Operations for Sherritt's Madagascar Ambatovy Project
- Mechanical engineering and modular plant expertise
- Extensive Madagascar mining operations experience

NEWS RELEASE – February 5, 2018

Top Graphite Processing Engineer to Commission NextSource Materials Madagascar Graphite Project

Mr. Oliver Peters M.Sc., MBA, P.Eng., one of the graphite industry's top metallurgists and process engineers, will commission the Company's Molo graphite mine in Madagascar and act as the Company's principal process engineering consultant for Phase 1 of the Molo mine.

NEWS RELEASE - March 2, 2017

NextSource Materials Hires Former MD of DRA Africa to Head Operational Readiness for Molo Graphite Project

Mr. Johann de Bruin, former Managing Director of DRA Africa (DRA), has joined NextSource Materials and will oversee all aspects regarding the operational readiness of the Molo Project as the Company prepares for the commencement of procurement for mine infrastructure.





The only project with SuperFlake® graphite.