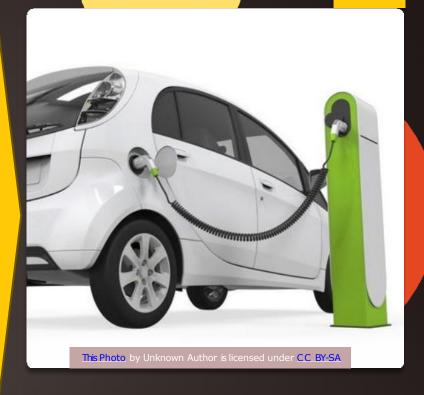




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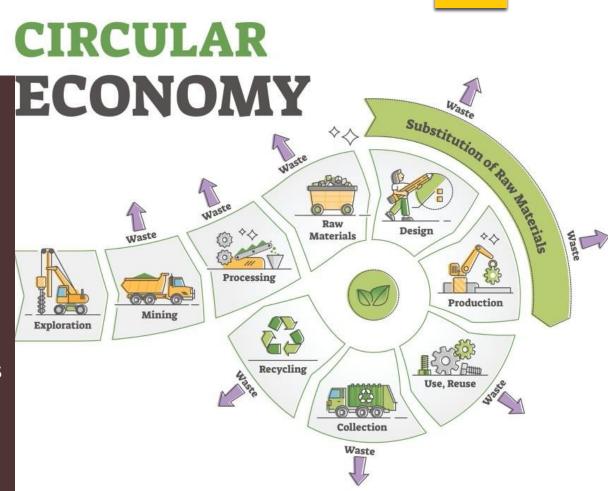
TRANSFORMING CIRCULAR ECONOMY FOR WASTE TO BATTERY MATERIALS

KEYNOTE PRESENTATION AT 10TH NEF ON 8TH JULY 2025

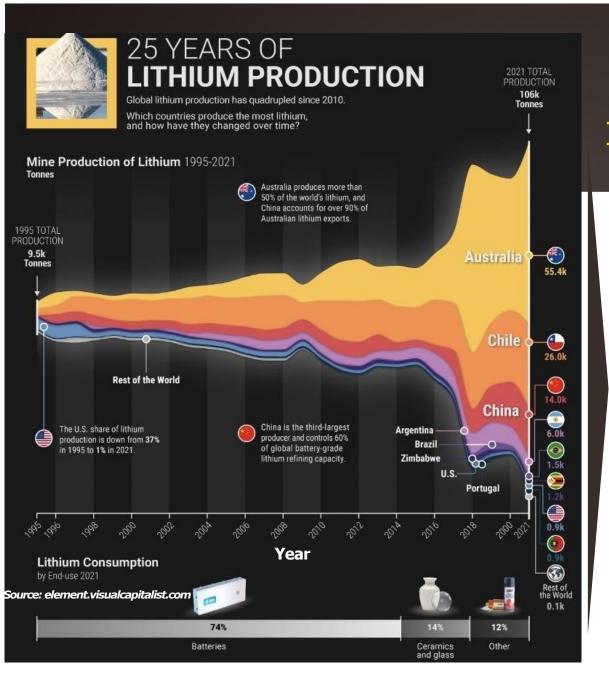
DR. OLUWOLE DANIEL ADEUYI

Transformation Pathways

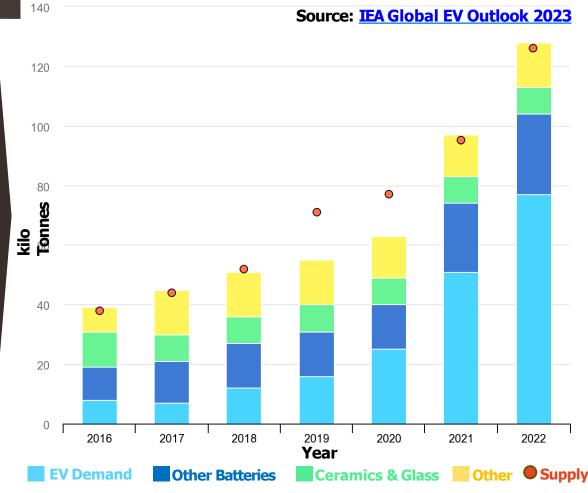
- Source waste/low-grade mined materials in Nigeria → Cheaper than anyone else through existing network of producing mines
- Set up trading post to aggregate/blend waste material near Port →
 Acquire s refurbish brownfield site(s) = lower set up costs
- Install pilot concentrator at brownfield site s rapidly upscale → Add value s transform waste to higher-value products
- Supply bulk, consistent, high-grade battery materials/concentrates to Offtakers globally → Diversify global supply chain s resilience
- Repurpose tailings concentrator → Avoid ~80% cost of shipping waste s GHG = Produce eco-brick for construction/road sector



Source: https://www.linkedin.com/pulse/circular-economy-recycling-mining-industry-favor-sustainability-xjnqe

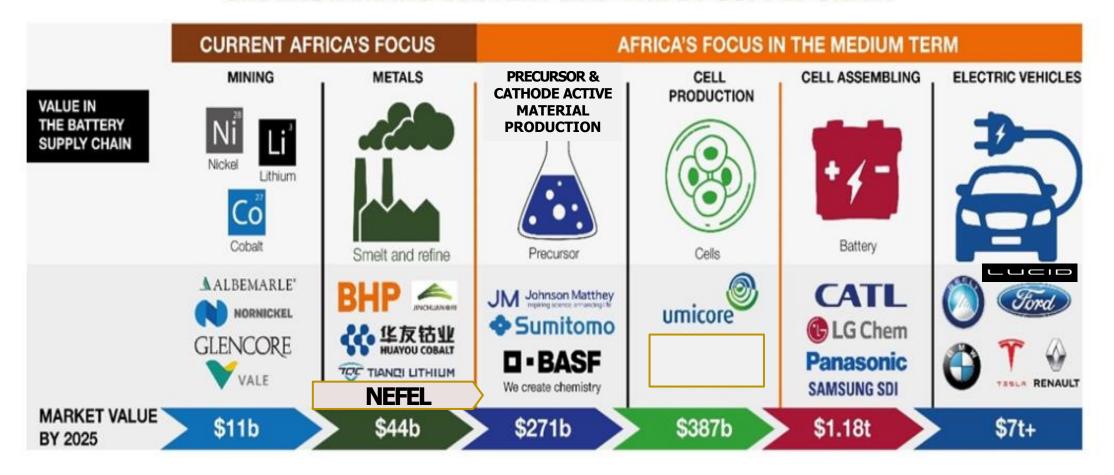


Lithium Growth Drivers Increasing Global EV Demand



Battery plus EV Value Chain & Market Value

UNDERSTANDING BATTERY AND THE EV SUPPLY CHAIN



Low-carbon Lithium Project Upscal nase 1

(150k TPA of SC6 plus Refinery Prep)

SC6 Strategic Offtake Agreement for Yr1 @ 50k TPA and/or Equity

Investments

Q3 25-Q3 26: SC6 **Factory Q3 25: Execute** Construction, Start of SC6 Production & First Supply 50k TPA @Yr1 & 150k by Yr2/3.

Q3 26-Q1 28: SC6 **Expansion**, plus Refinery construction ~10k-20k TPA LiOH/Carbonate



Q2 24: SC6 **Asset ESIA** detailed draft report completed & 03-04 23: feedstock **Factory Land agreement Secured &**

Factory ESIA

kick off

Innovation Strategy & *Timescales* (*Phase 1 & 2*)



Feasibility; Engagement of 1-2% Lithium Suppliers, Host Community, Offtakers & Manufacturer (from H2 '23)

 Yr 1 input; source waste/low-grade mined materials + Yr2 acquisition



Completed Draft Environmental Social Impact Assessment of SC6% Factory. Equip/Train 100+ persons

ESIA; EPC; Aggregate 15% Li20 Ore; Produce 6-7% Spodumene concentrate (from Q4 '23 – Q4 '25)

 Yr 1 SC6% Output: 50K tons; & 150k tons by Yr 2/3



First Export of Spodumene Concentrate 6% to Offtakers from Q4 26. discussions with

Europe / USA / China / Ireland / UK

Repurpose Tailings; Toll SC6 via 3rd
Party Refiner / Build Li Refinery
(from 2026 & beyond)

 Yr1 Li carbonate/hydroxide 5k tons; Yr2 10k tons; Yr3 20k tons.



Supply to Battery OEMs

Image sources: NEFCL; JXSC ; Stock Photos

Low-carbon Lithium ESG Compliance Approach

01

Environmental & Social Impact Assessment (Ongoing) → Site, Scoping Workshop, Wet season data completed Q4. 23

02

Circular Economy transforms waste/lowgrade ore → reduces environmental liability & foster improved ESG best practice 03

Consultation on community development agreement → establish fund for host community projects

04

Recycle process water & repurpose tailings -> achieve net zero wastewater in factory & reuse solid waste for brick in road construction

05

>70% reduction in GHG emissions from sea freight compared to BaU export of unprocessed ore to China

o Processing & de-risking critical minerals sourced responsibly for global energy transition

Brownfield Site (Acquisition Process Ongoing)

2hrs drive from Sea Port, existing structures & land total 23,000sqm

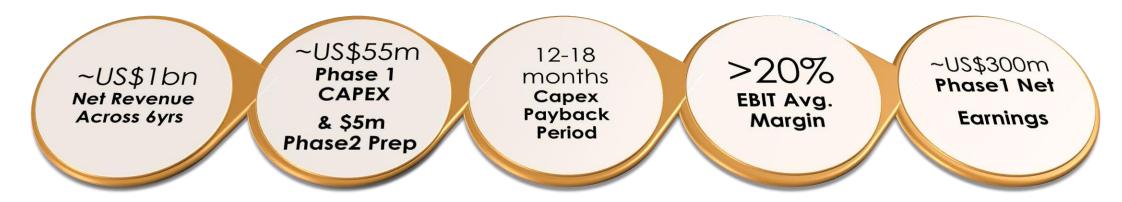






Economic Feasibility Study (Phase 1) 150kTPA SC6 + Refinery Preparation

o Yr. 2024 avg. spot price is half of Yr. 2023 prices & Yr. 2025 data is used to represent worse case:



~400k tons of SC6

@US\$ 700 / metric ton



~40k tons of Lithium Carbonate

@US\$ 8000 / metric ton

Pilot Ticket size ~ 10% Phase1

□ Phase 1 Ticket Size US\$60m: Debt-to-equity ratio (65:35)

Strategic Product Offtake Agreement Options

Headlines







O FFTAKE: FIRST RIGHT TO
PUR CHASE MINIMUM 40%
& UP TO 100%
CO NTRACTED PRODUCT
OUTPUT

EXECUTION: OF OFFTAKE AGREEMENT Q2 2025;

PRE-PAYMENT/ DIRECT
PURCHASE: ~30% OF FIRST YEAR
OUTPUT, REPAID USING EQUAL
SET OFFS 6% LI CONCENTRATE





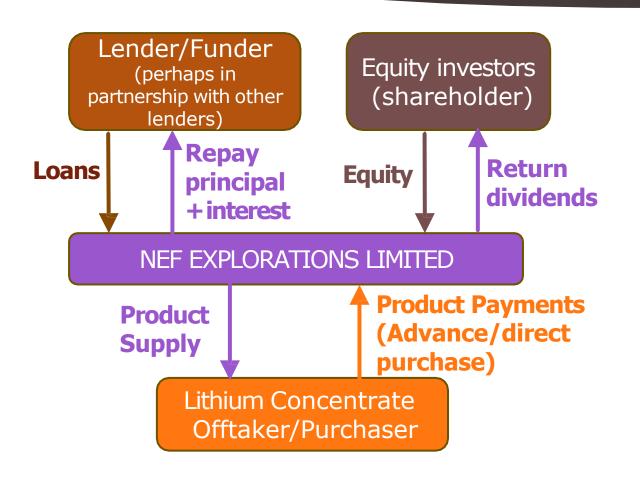


PR ICING: SPOT MARKET +
D ISCOUNT OPTION (FOR
PRE-PAYMENT)

COMMENCEMENT: FIRST SUPPLY FROM ~Q4 2026, UPON PRODUCT CERTIFICATION. DURATION: INTIAL TERM UP TO 3-5 YEARS + RENEWAL/REVIEW UPON REFINERY PILOT

Phase 1 Financing Structure

(Discussions ongoing with partners & co-financing /equity/offtake partners sought)



Current Ownership Structure NEF Consulting Limited (NEFCL)

Raising Strategic Debt / Equity / Product

Offtake Partnerships.



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W: www.nefexplorations.com