

Greener Battery Materials

Disclaimer

Summary information:

This document has been prepared by Neometals Ltd (“Neometals” or “the Company”) to provide summary information about the Company and its associated entities and their activities current as at the date of this document. The information contained in this document is of general background and does not purport to be complete. It should be read in conjunction with Neometals’ other periodic and continuous disclosure announcements lodged with the Australian Securities Exchange, which are available at www.asx.com.au.

Forward-looking information:

This document contains, opinions, projections, forecasts and other statements which are inherently subject to significant uncertainties and contingencies. Many known and unknown factors could cause actual events or results to differ materially from the estimated or anticipated events or results included in this document. Recipients of this document are cautioned that forward-looking statements are not guarantees of future performance.

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Financial data:

All figures in this document are in Australian dollars (AUD) unless stated otherwise.

Not financial product advice:

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Investment risk:

An investment in securities in Neometals is subject to investment and other known and unknown risks, some of which are beyond the control of Neometals. The Company does not guarantee any particular rate of return or the performance of Neometals. Investors should have regard to the risk factors outlined in this document.

Compliance Statement:

The information in this document that relates to Exploration Results, the Mineral Resource Estimate and the Ore Reserve Estimate for the Barrambie VTM Project has been extracted from ASX Releases set out below, which are available at www.neometals.com.au

17/04/2018	Updated Barrambie Mineral Resource Update
11/07/2018	Barrambie Test Work Produces +90% Purity Titanium Slag at High Recoveries
22/12/2020	Barrambie Flowsheet Breakthrough
3/11/2022	Barrambie - Successful Commercial Smelting Trials For Barrambie
17/11/2022	Robust Outcomes From Barrambie Titanium Project PFS

The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements and that in the case of estimates of Mineral Resources or Ore Reserves all material assumptions and technical parameters underpinning the estimates in the market announcements continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person’s findings are presented have not been materially modified from the original market announcements.

EXECUTIVE SUMMARY



Neometals

Neometals is an emerging, sustainable battery materials producer.



3 business units supporting energy transition in the EV / ESS supply chains:

Li-ion Battery Recycling (Ni/Co)
Vanadium Recovery
Lithium Chemicals



Underpinned by proprietary, green, processing technologies

16 Granted Patents
54 Patents Pending



ESG commitment. Recycling and recovery minimise reliance on mined materials and reduce carbon footprint



Focus on continuous development and innovative commercialisation with strong partners


















Strong, growing team with track-record of value creation, project execution and shareholder return.

Green Battery Materials Portfolio

- Focus on Europe and North America
- Emerging as World's 2nd and 3rd biggest battery producing regions



Core Business Snapshot

Business Unit	<p>Lithium-ion Battery Recycling </p>	<p>Vanadium Recovery </p>	<p>Lithium Chemicals </p>
Business Unit Partners	<p>50:50 Incorporated JV Primobius</p>	<p>Co-operation Agreement for 50:50 Incorporated JV</p>	<p>Reed Advanced Materials ("RAM") 70:30 Incorporated JV</p>
Project Development Partners	<p>SMS group</p> <p> Mercedes-Benz</p> <p> </p>	<p>Critical Metals</p> <p>SSAB</p> <p>H2green steel</p>	<p> 30%</p>
Key Regions of Focus	<p>  </p>	<p> </p>	<p>Co-operation Agreement for 50:50 Incorporated JV with RAM</p> <p> EVOLVING CHEMISTRY</p> <p> </p>
<p>Underpinned by proprietary, sustainable processing technologies that recover battery materials</p>			

Experienced & Growing Team



Steven Cole
Chair



Chris Reed
Managing Director /
CEO



Dr Natalia Streltsova



Doug Ritchie



Dr Jennifer Purdie



Les Guthrie



Jason Carone
Company Secretary /
CFO



Giuliano Giordani
Financial Controller



Jeremy Mcmanus
GM – Investor
Relations and
Commercial



Pablo Carabajal
Manager - Finance



Anél Joubert
Manager - ESG



Paul Wallwork
GM – Marketing and
Product
Development



Matthew Carter
Manager - Data



Michael Tamlin
COO/Lithium



Matthew Read
GM – Lithium
Projects



Dirk Kotzee
Manager – Project
Services



Merrill Gray
Head of Recycling



Gavin Beer
GM – Lithium
Processing



Adam Farghaly
Senior Project
Metallurgist



Darren Townsend
CDO/Vanadium



Irena Ivanova
GM – Evaluation
Studies



Rihanna Vanin
Project Engineer



David Robinson
GM – Metallurgy and
R&D



Eric Taarland
GM – Vanadium
Marketing



Greg Hudson
GM – Geology



Owen Casey
Senior Project
Geologist



Casper Adson
GM – Barrambie
Project

Corporate Dashboard

JOINS ASX300 EFFECTIVE 16 SEPTEMBER 2022, NEOMETALS HAS SIGNIFICANTLY OUTPERFORMED THE ASX300, A\$82M RETURNED VIA DIVIDENDS AND BUY BACKS IN THE LAST ~6 YEARS

ASX: NMT	OTC:RDRUY		
Shares on Issue ⁽¹⁾	m	552.7	
Share Price	A\$	1.04	
Market capitalisation	A\$m	563	
Cash (30-Sep-22)	A\$m	50.8	
Debt	A\$m	-	
Investments (30 Sep-22) ⁽²⁾	A\$m	29.8	

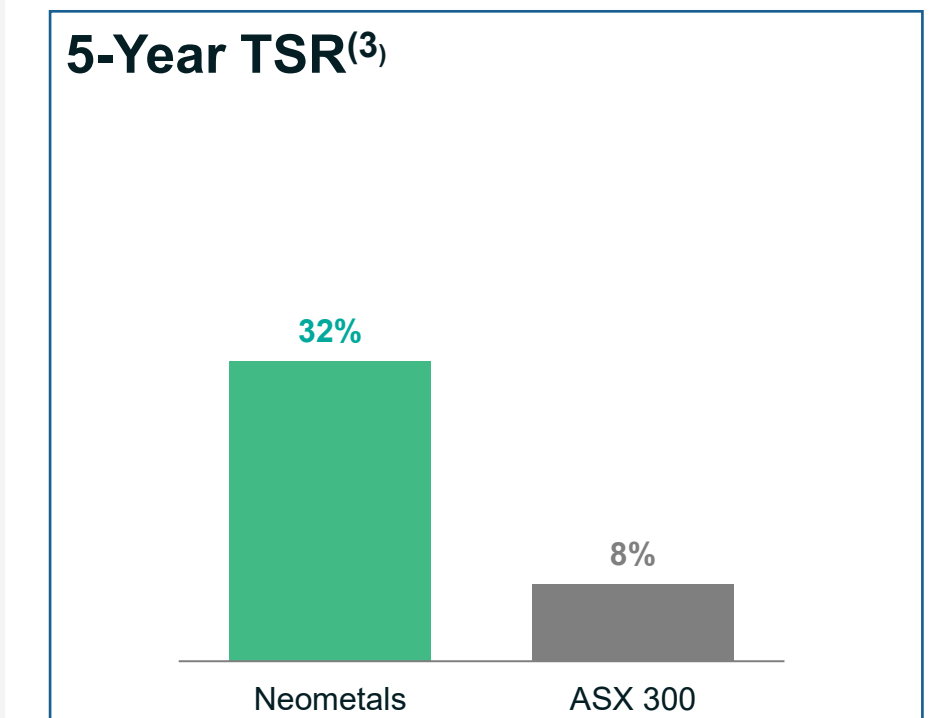
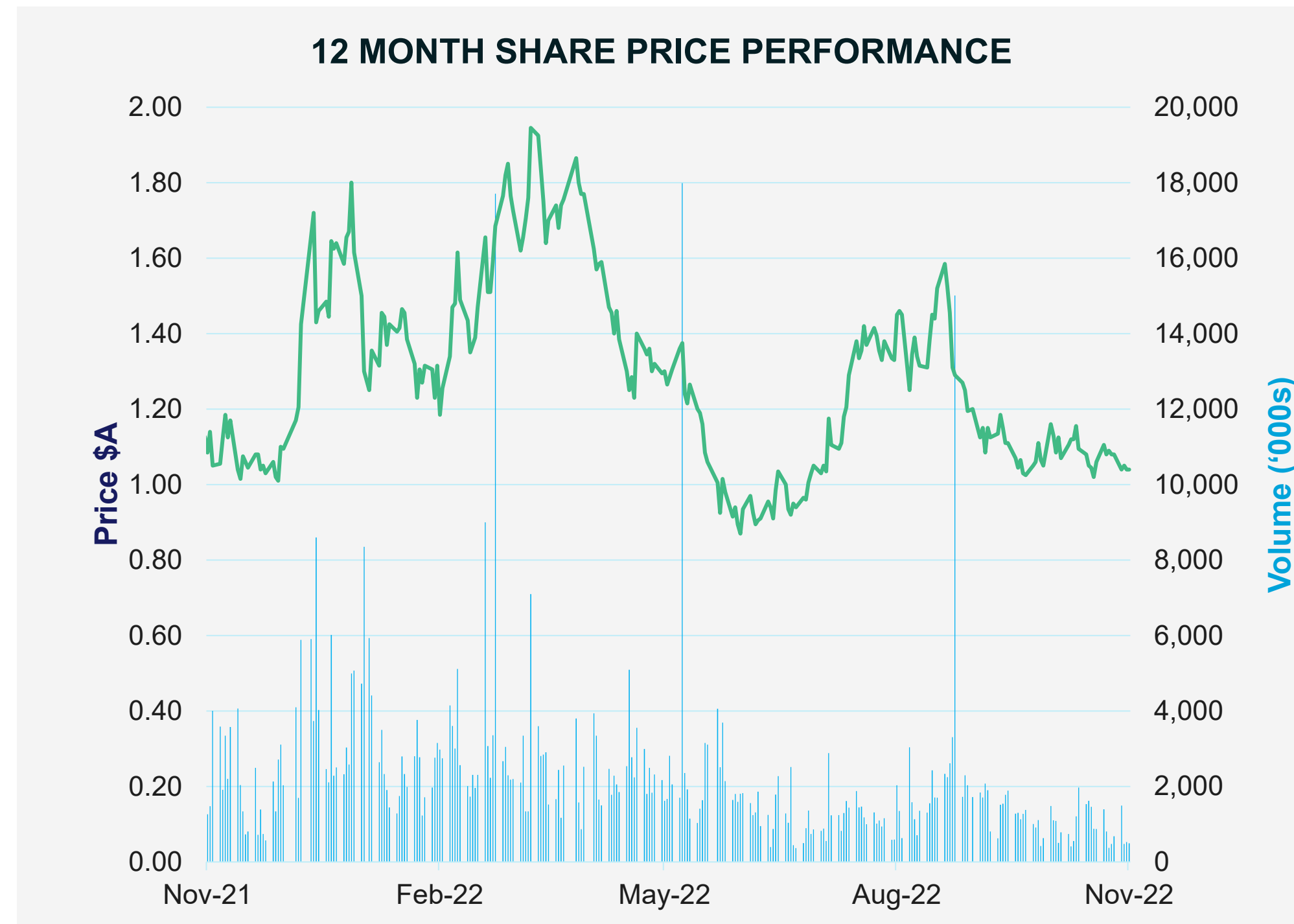
MAJOR SHAREHOLDERS	
David Reed	6.6%
Clearstream/Deutsche Börse	3.9%
Top 20	39.3%
No of Shareholders	~14,644

Notes: Market data as at 23 November 2022.

⁽¹⁾ Excludes 12.6M performance rights

⁽²⁾ Receivables and investments

⁽³⁾ Sourced from Bloomberg assumes dividends re-invested



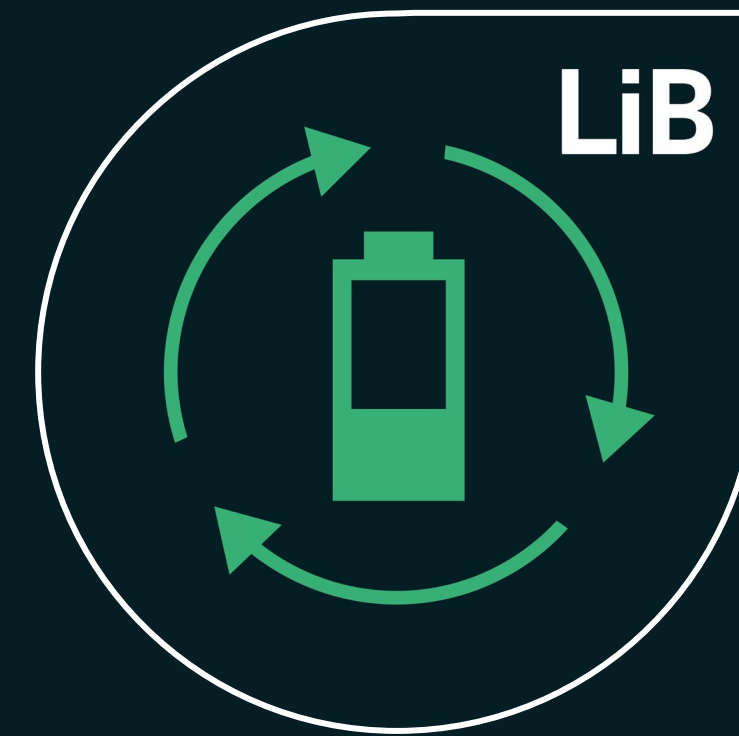
Sustainability



Neometals is committed to optimising finite resources with circular practices to benefit society and the environment for a sustainable future

- Focus on production of sustainable battery materials - reducing reliance on new mined materials.
- Commercialising internationally recognised award-winning sustainable processing technologies
- Transparent sustainability reporting to GRI, SASB, TCFD
- Neometals’ 3rd annual sustainability report released in September 2022





Lithium-ion Battery (LiB) Recycling

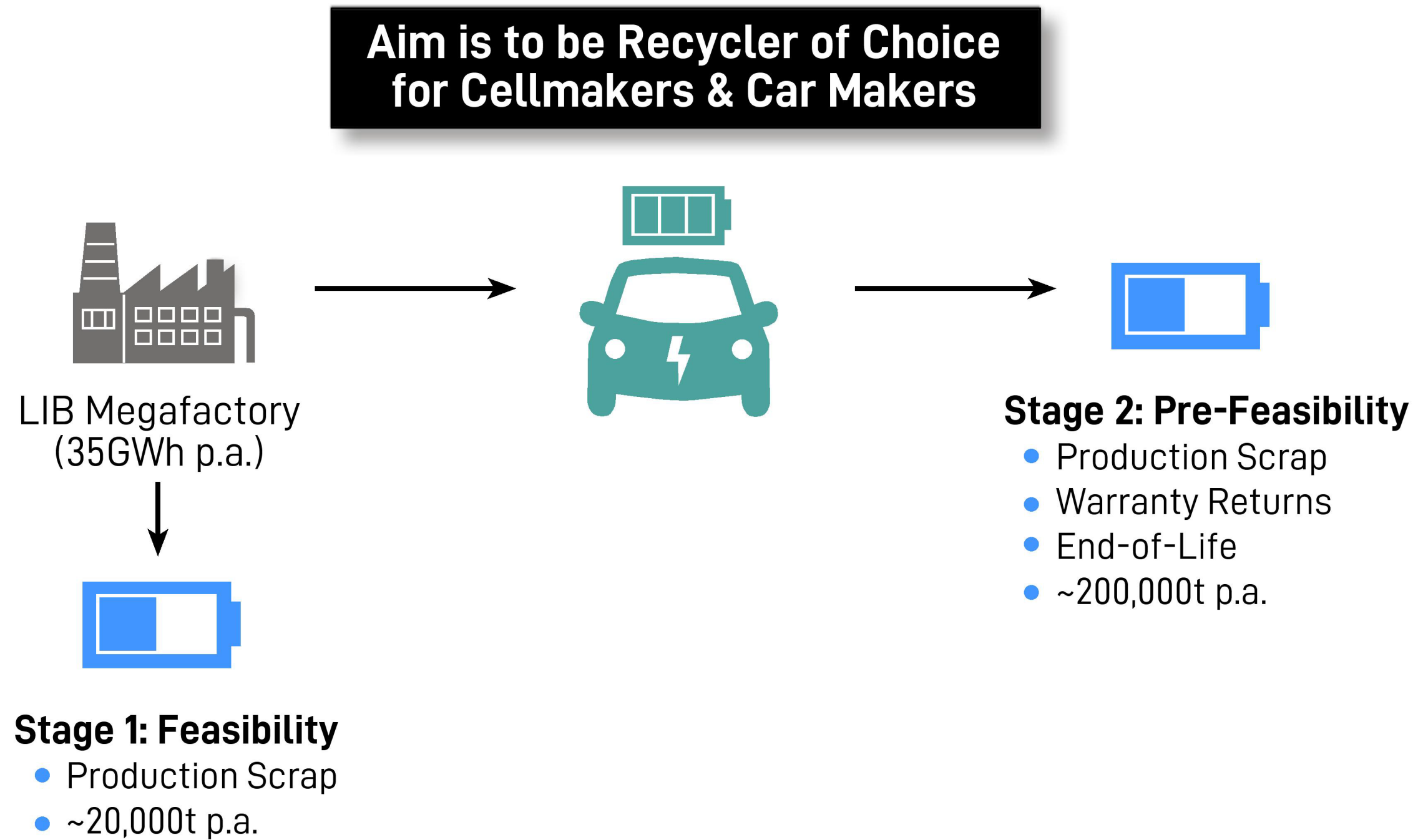
Intellectual Property Holding Company
100% Neometals (SMS group earning 50%)

Primobius GmbH – Commercialisation
Incorporated 50:50 JV with SMS group

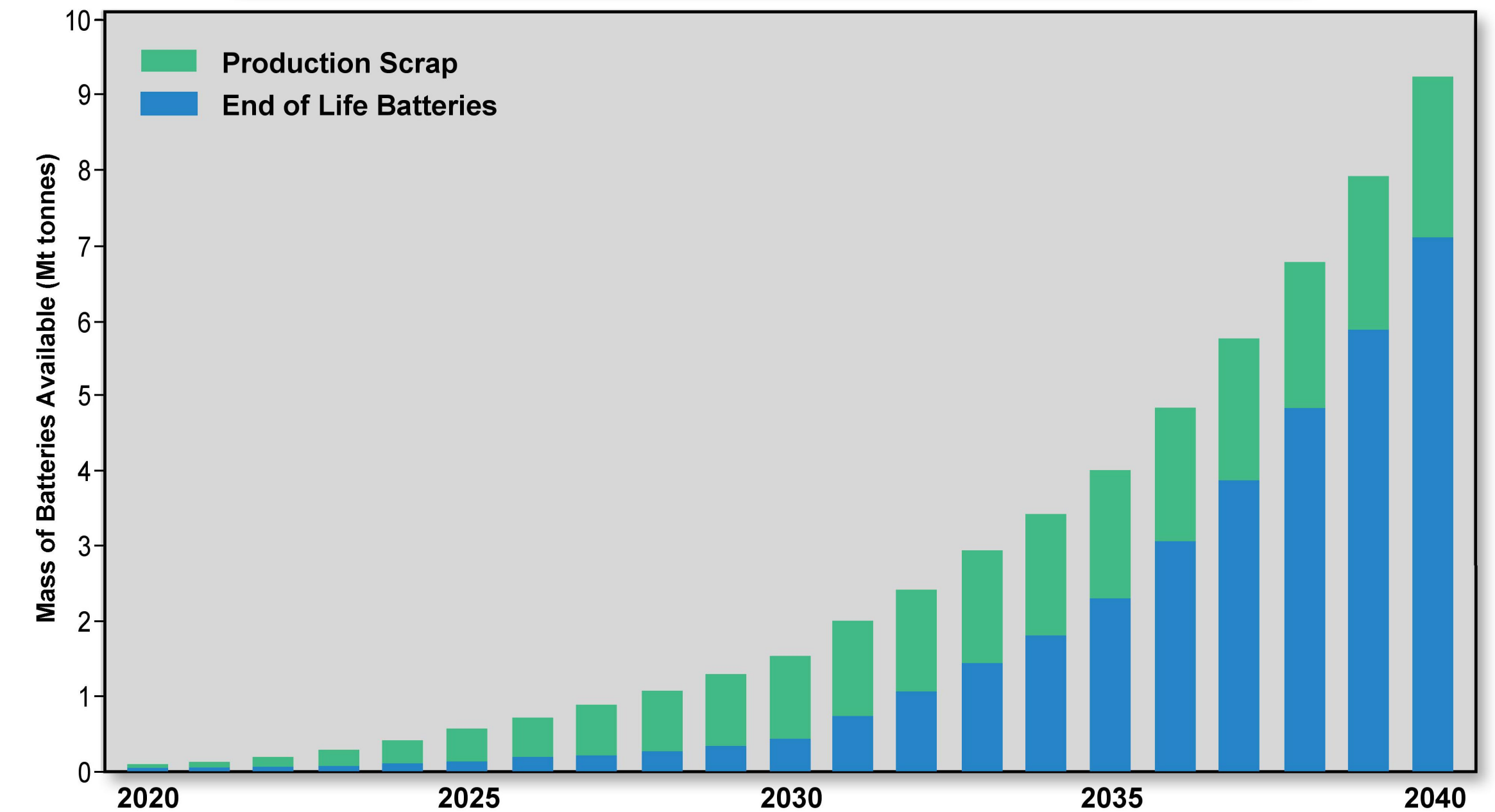
Primobius

Battery recycling without limits

Need ST Capacity for Production Scrap and LT Scale for EOL



Battery Volume Available for Recycling (40g/Wh)



Source: Benchmark Minerals Intelligence (2022)

Recycling demand drivers

PARTICIPANTS IN THE BATTERY VALUE CHAIN ARE SEEKING SOLUTIONS TO REDUCE CO₂ AND SATISFY REGULATORY / MORAL OBLIGATIONS



Fire Risk



Pollution (GHG)



Landfill



Material Shortages / \$



Circular Economy

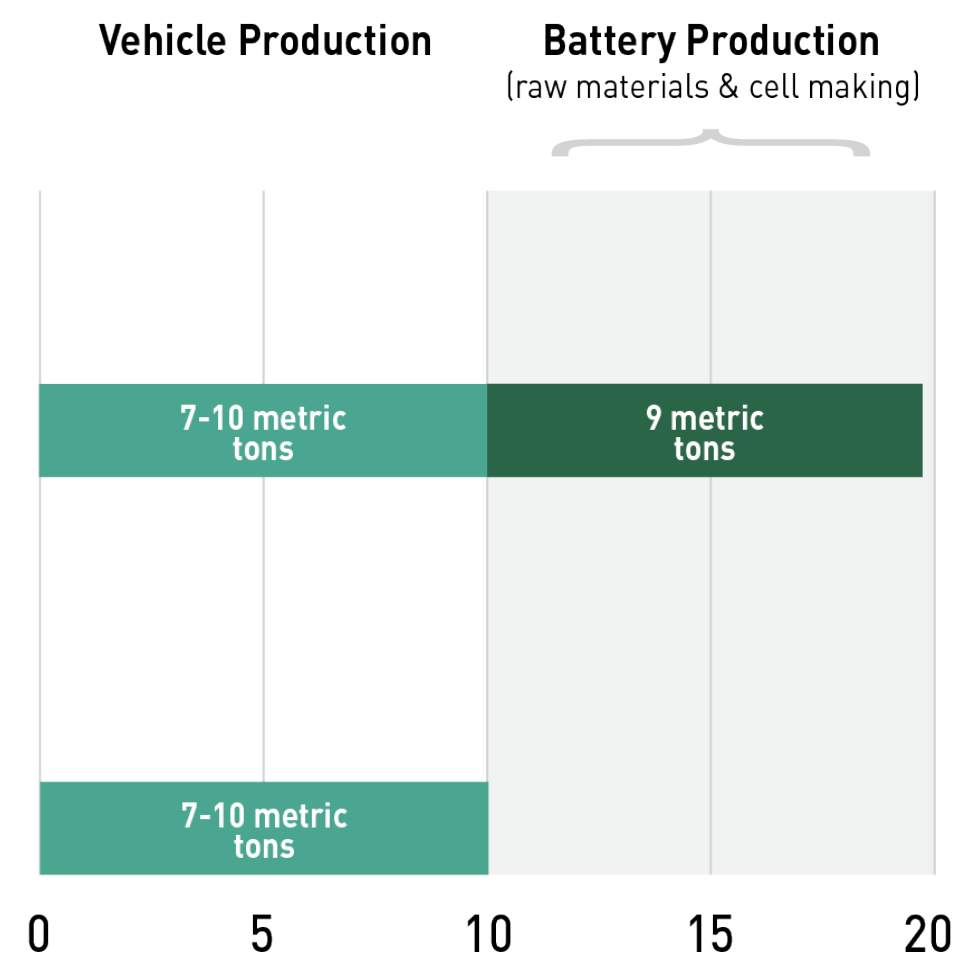


⚡ Electric car



💧 Internal combustion engine car

Vehicle Manufacturing CO₂ Emissions

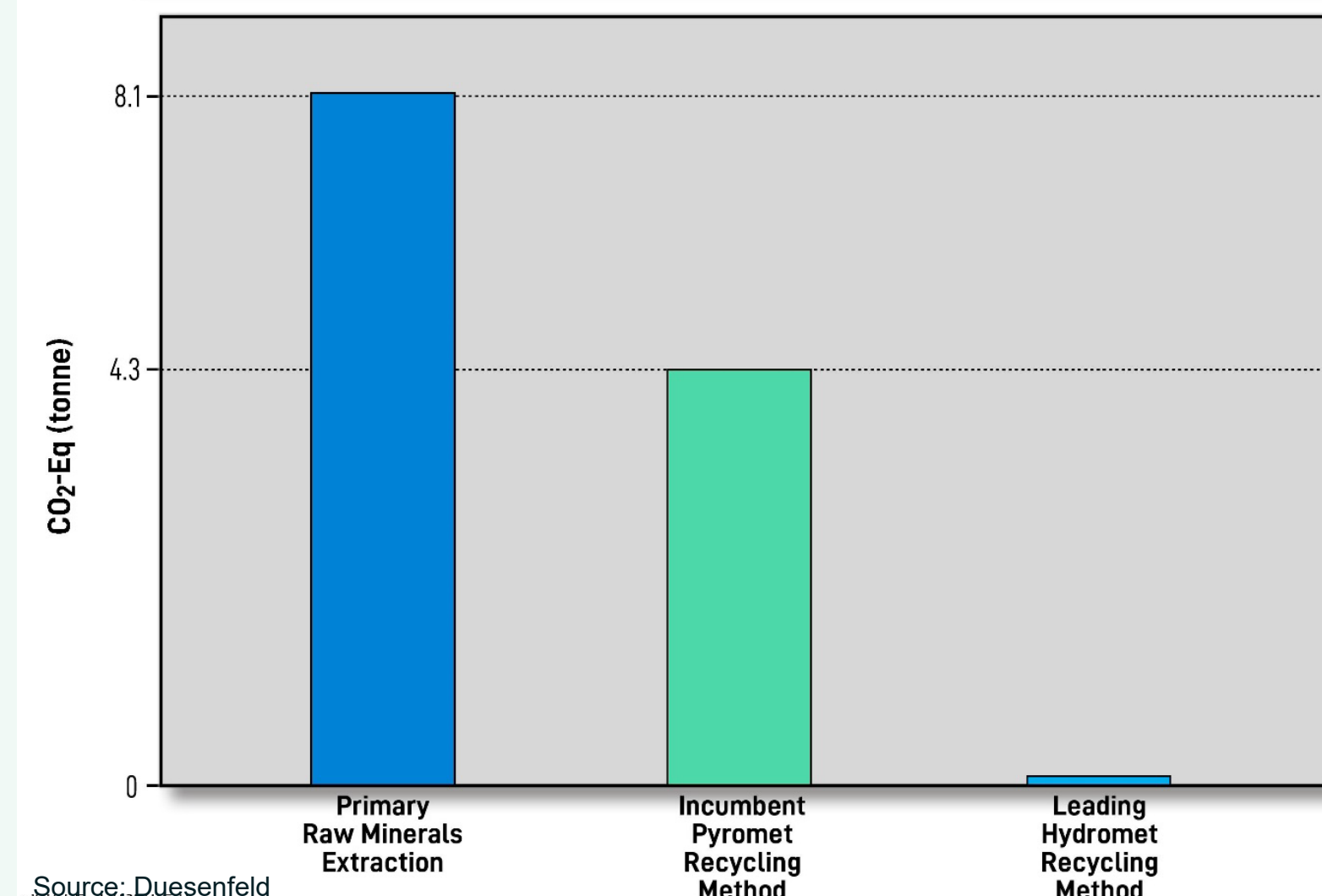


Source: Duesenfeld

LARGE OPPORTUNITY FOR SUNRISE HYDROMETALLURGICAL RECYCLING PROVIDERS

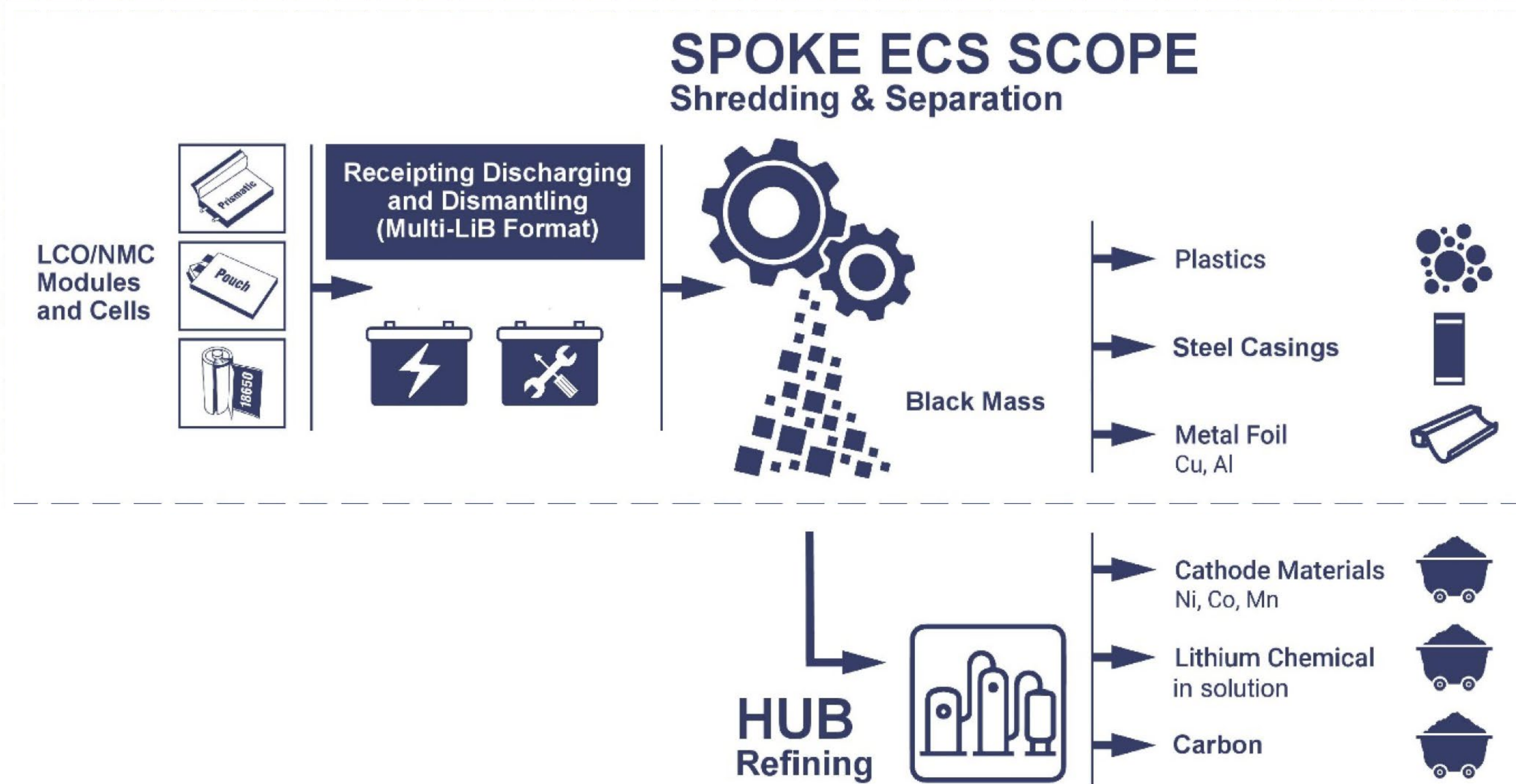
- Solution to OEMs needing to meet proposed regulations
- Strategic supply chain resilience
- Support to circular economy
- Compelling total addressable market (“TAM”)

Raw Material CO₂ Savings - Traditional Mining vs Battery Recycling



Source: Duesenfeld

Primobius Hub & Spoke Solution



✓ Sustainable, lower CO₂ emissions

✓ High battery material recoveries

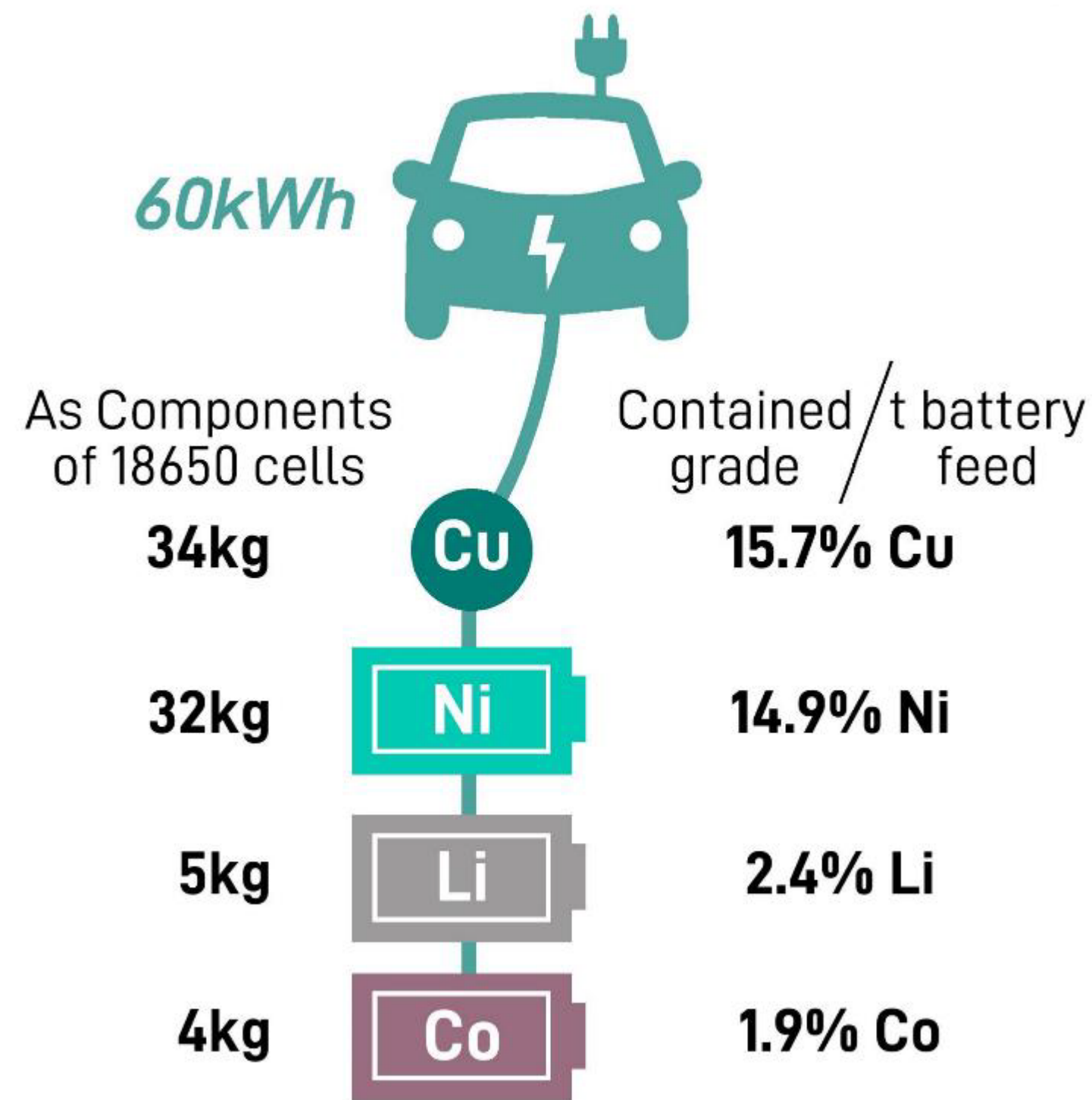
✓ Designed for industrial scale-up

✓ Established customer pipeline

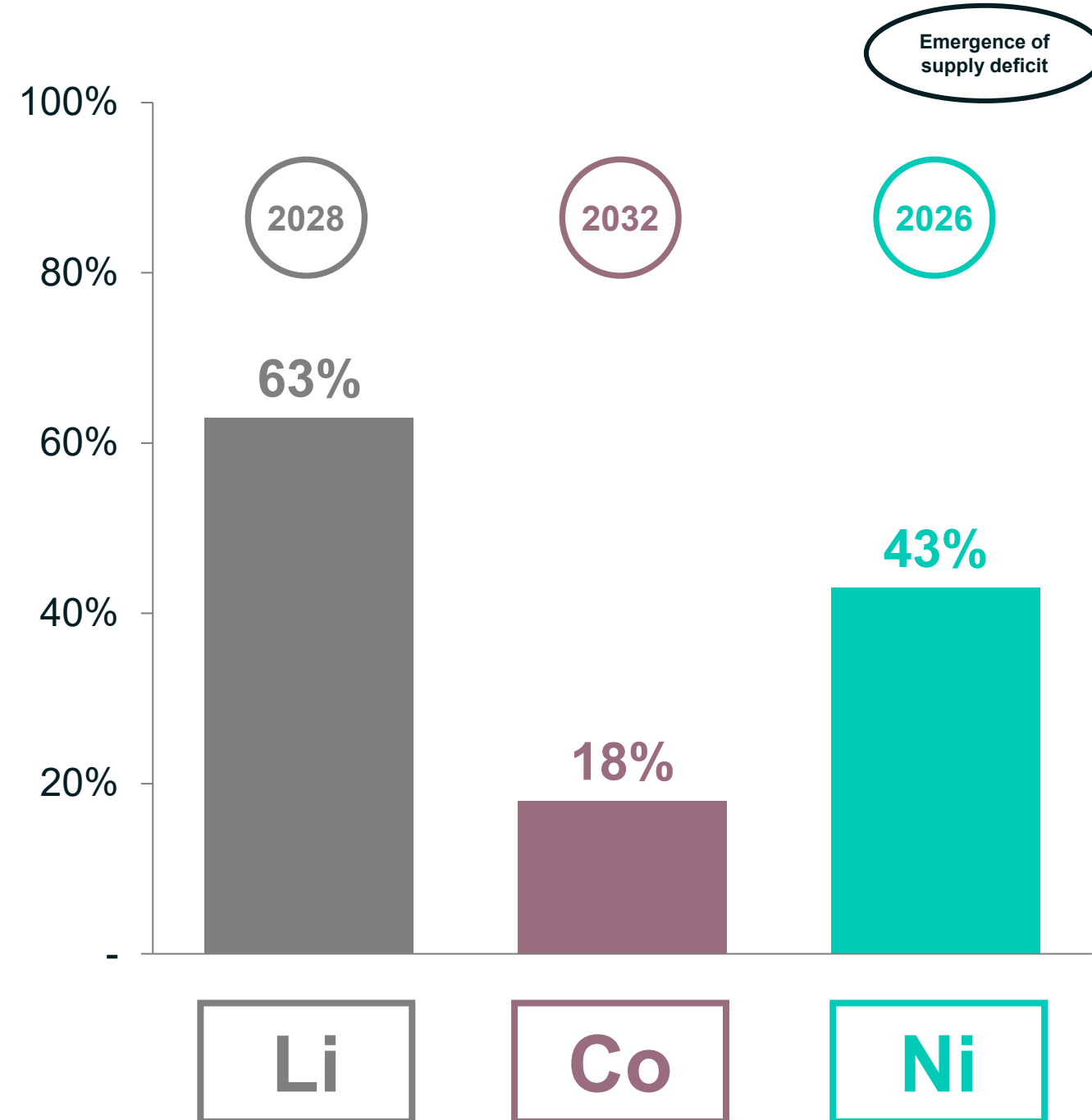


Base Metal Refinery Recycling Batteries and Producing Battery Raw Materials

Typical LiB EV Battery Composition Using NCM 811 Chemistry

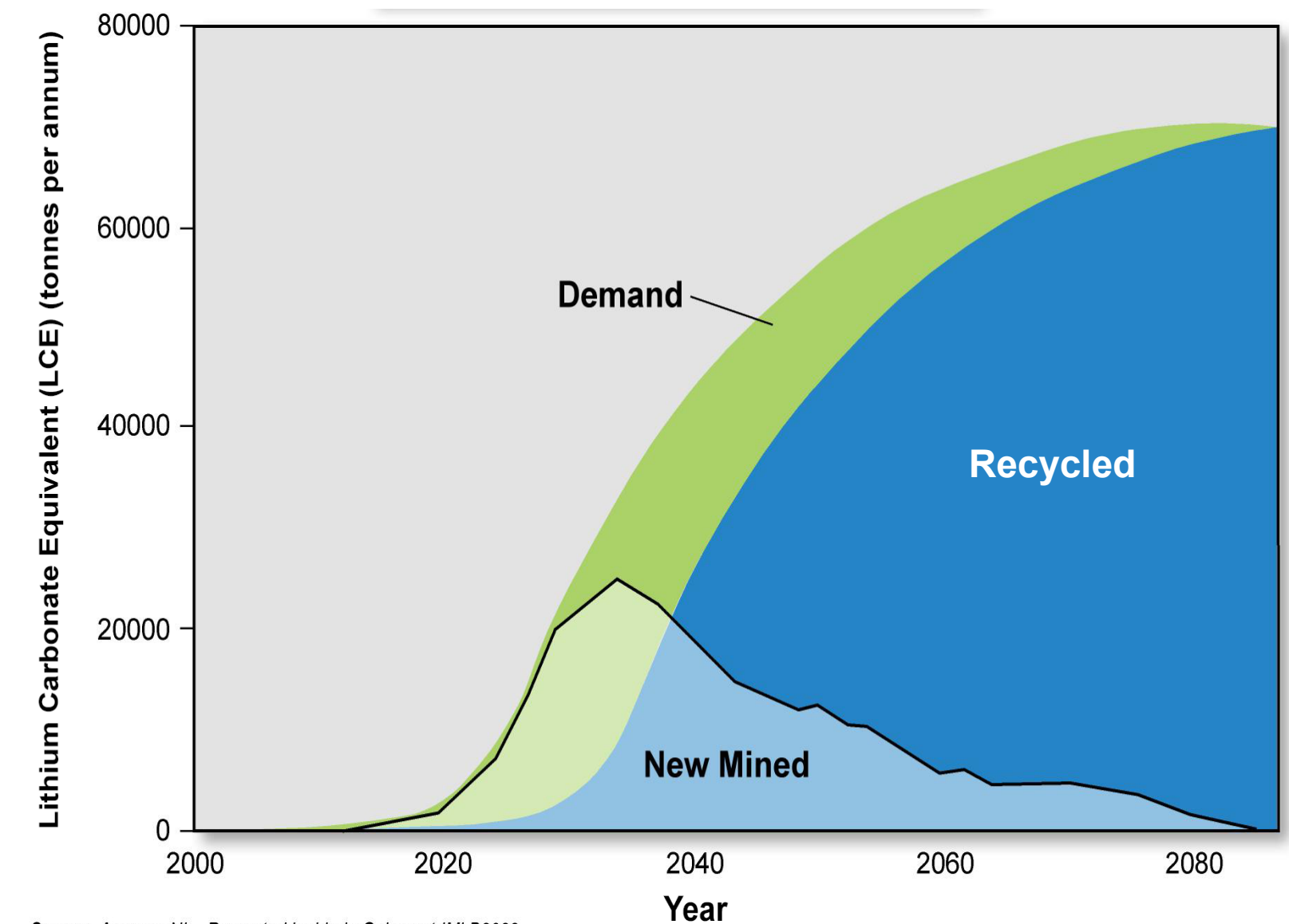


Supply Deficits for Key Recovered Material (% of Demand 2040)



Source: Wood Mackenzie

By 2040, Recycled LCE will be the main source of Lithium

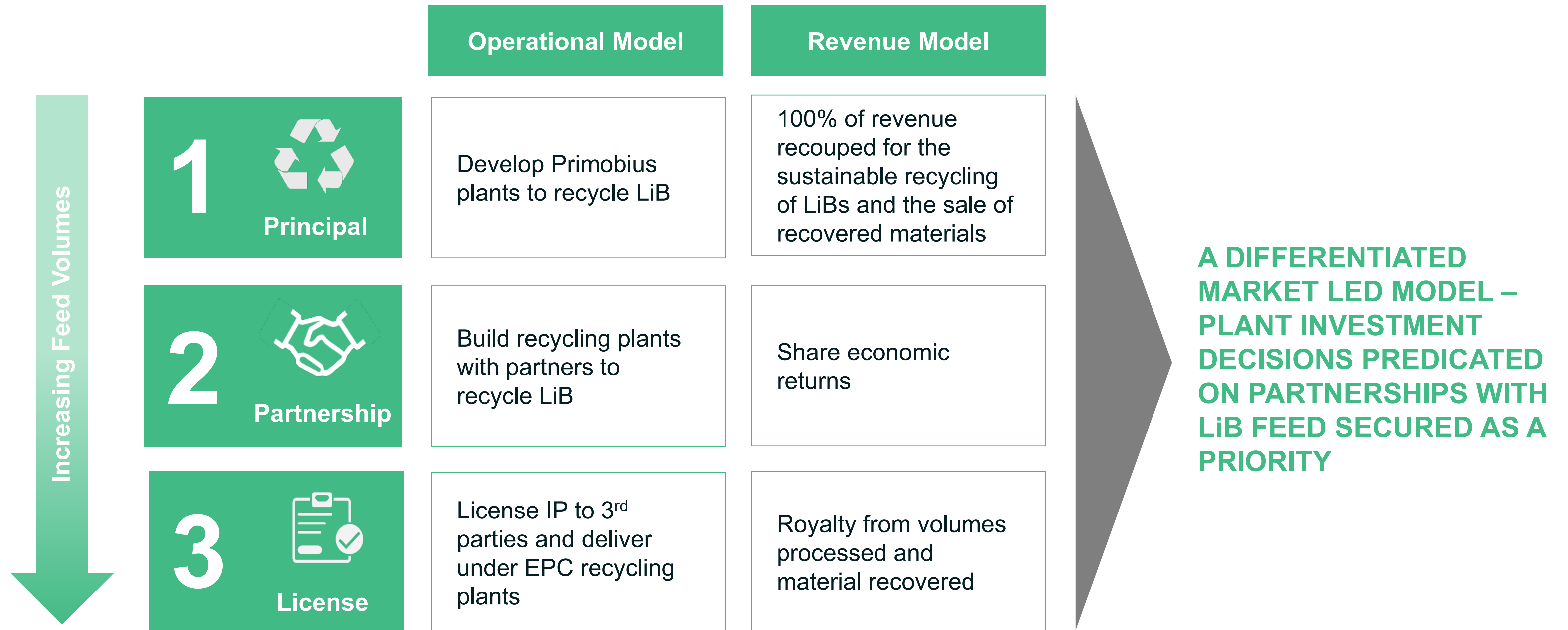


Source: Argonne NL - Presented by Linda Gaines at IMLB2022

Source: Argonne NL - Presented by Linda Gaines at IMLB2022.



Flexible Business Model to Meet Customer Needs





Commercial Pipeline*



Primobius
Battery recycling without limits

Capacity: 10tpd Spoke
Plant type: Shredding
Products: Black Mass
Business Model: Principal

STELCO
The Steel Company of Canada

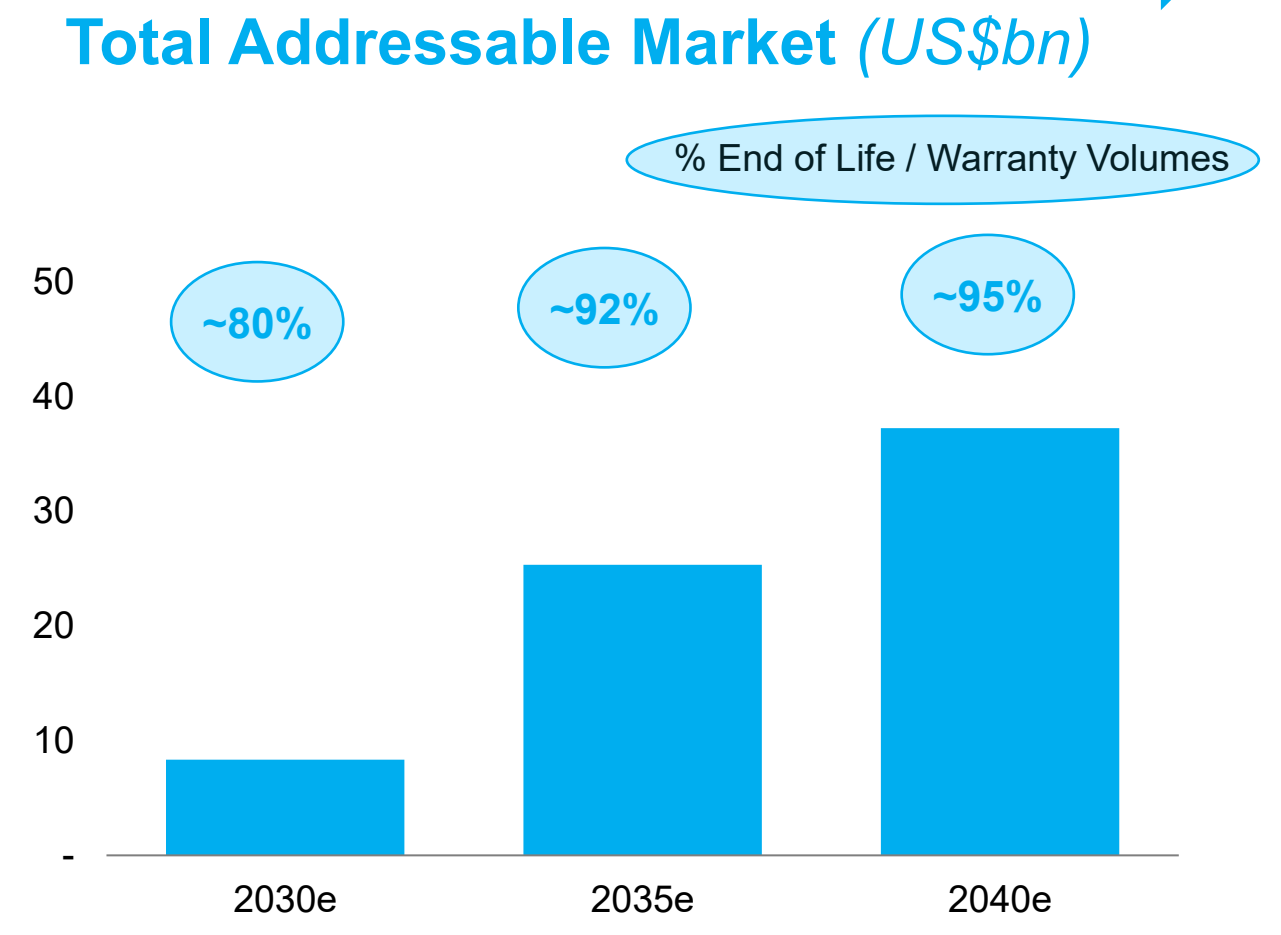
Capacity: 50tpd Integrated
Plant type: Shredding/Refining
Products: Black Mass and BGMS⁽¹⁾
Business Model: License & JV Option



Capacity: 10tpd Integrated
Plant type: Shredding/Refining
Products: Black Mass and BGMS⁽¹⁾
Business Model: Limited Royalty-Free R&D License

Primobius
Battery recycling without limits

Capacity: 50tpd Integrated
Plant type: Shredding/Refining
Products: Black Mass and BGMS⁽¹⁾
Business Model: Principal / JV



Economies of scale and access to feed key to the success of LiB battery recyclers scale-up

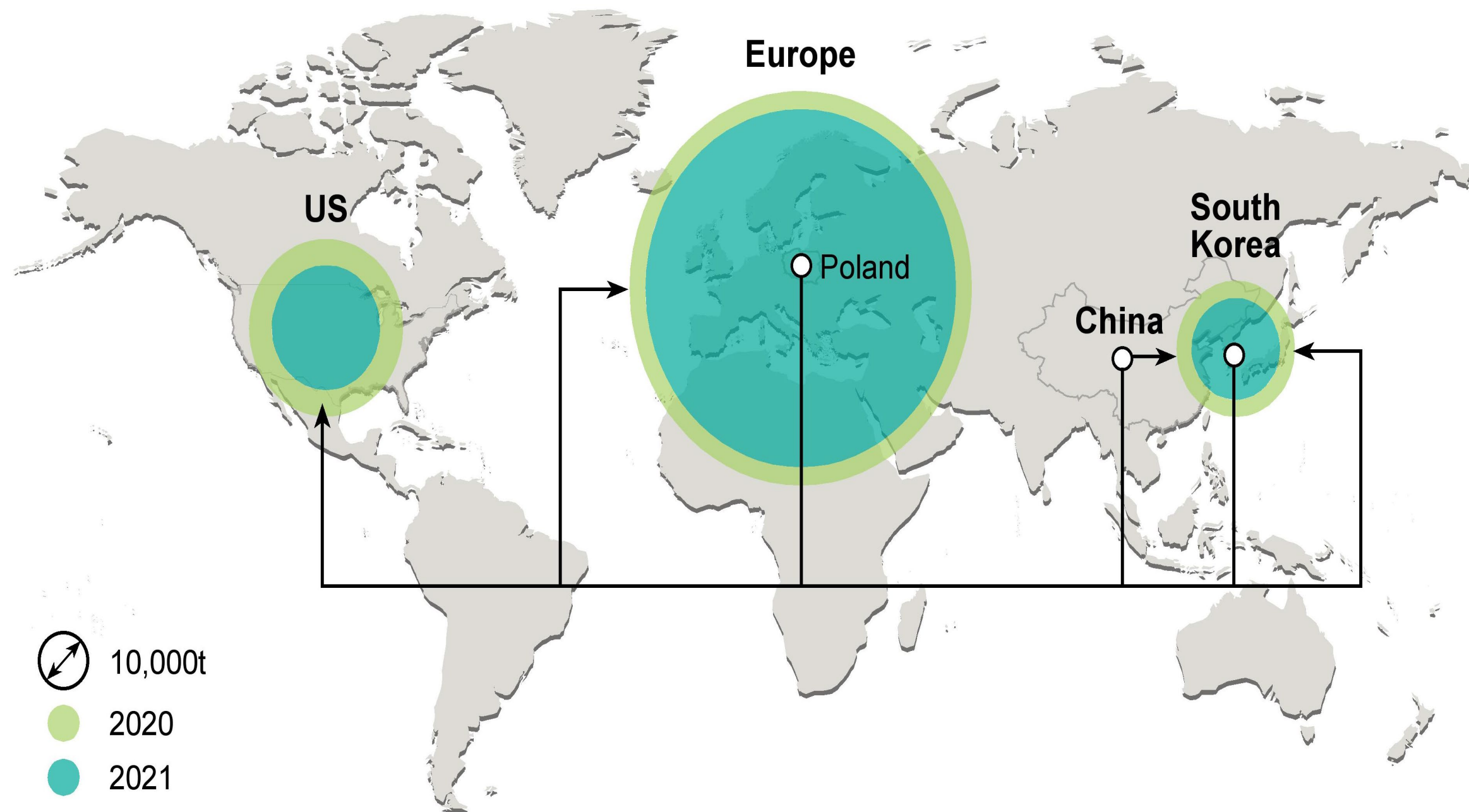
*Subject to Customer, Primobius and Neometals Board Approvals

1. BGMS = Battery Grade Metal Sulphates

Source: RBCe. NCM battery recycling North America and Europe.

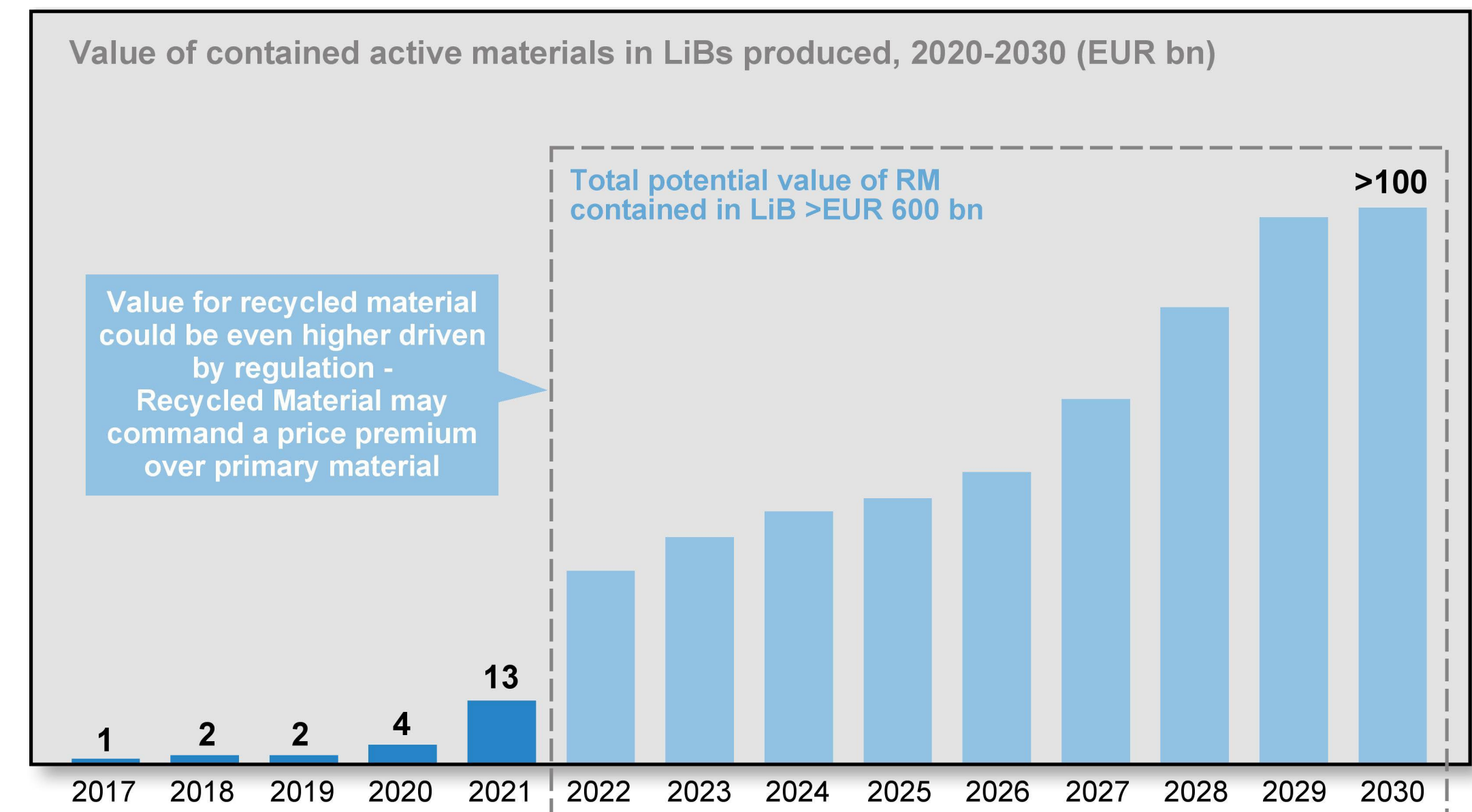
Hilchenbach Spoke – establishing market share in Europe then expanding to fill the capacity deficit

Key Lithium-Ion Battery Trade Flows, 1H21 & 1H22



Recycling Will Become a Significant Profit Pool

Batteries produced in the last 5 years contain Recycled Material in excess of EUR 20 bn & could exceed EUR 600 bn until 2030



Source: Argus Media Sept. 2022
 Note: Only battery production since 2017 considered, 2022 average spot market prices limited to Li, Ni, Co, Mn
 Source: Roland Berger Intergrated LiB Demand and Supply Model

Source: Benchmark Mineral Intelligence (Gigafactory cell capacity, June 2021 & Apr 2022) and Neometals Management (utilisation rate 75%, scrap rate 15%, 8 year battery life, and cell weight 4.5g/Wh)



Partnership with Mercedes-Benz

COOPERATION AGREEMENT WITH MERCEDES-BENZ (LICULAR GMBH)*



- One of the leading premium global automotive players having produced 2.3 million vehicles in 2021
- Targeting 100% of car sales to be EVs by 2030 requiring 200GWh of battery cell production capacity
- Eight new cell factories planned globally including with one in the U.S. and four in Europe



~3.5%
of Global
Vehicle Sales



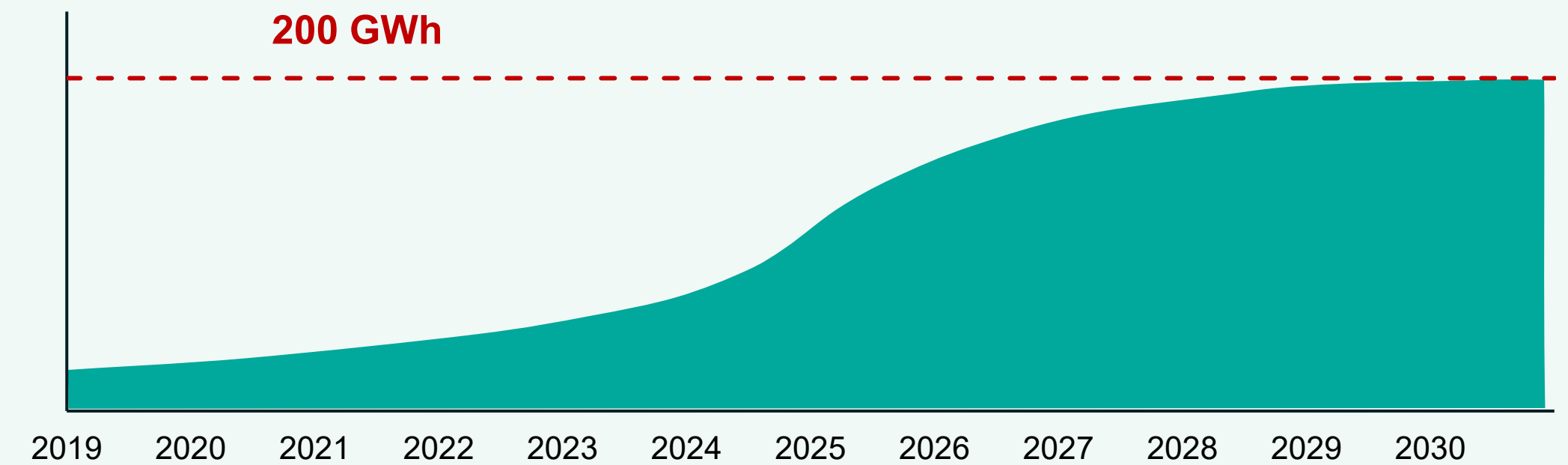
~5.4%
of EU Car
Sales



Partnership

- Cooperation agreement between Mercedes-Benz recycling subsidiary and Promobius
- Cooperation agreement follows partnership for designing and constructing a 2,500tpa Recycling Plant located in Kuppenheim, Germany
- Long-term collaboration to recycle next generation cell formats and chemistries
- Strong validation of the Primobius technology

MERCEDES-BENZ TARGET CELL PRODUCTION**



Key Illustrative Assumptions

- ~10 year battery life
- ~4.5MWh to tonne of battery

POTENTIAL MERCEDES-BENZ EOL LIB RECYCLING REQUIREMENTS BY 2040



900ktpa of
batteries

Potential EOL recycling requirement by 2040 with additional volumes potentially available from production scrap



~50 x 50tpd OR
5 x 500tpd Plants

Required to process*

*Based on Neometals assumptions.

*For further information, refer to ASX release dated 13 May 2022 – “Primobius executes Co-operation Agreement with Mercedes Benz”

**Source: Mercedes-Benz Strategy Update: electric drive, July 2021



Partnership with Stelco

TECHNOLOGY LICENSE AND JV OPTION (≤50%) WITH STELCO IN NORTH AMERICA*



Partnership

in North America

- Recycling venture to offer a holistic end-of-life vehicle recycling solution in North America with the ability to secure large feedstock volumes
- Stelco will be responsible for supply of LiB feedstock and the securing of sites for plants
- Exclusively licensed to Stelco in North America except right to recycle for German OEMs has been retained
- Primobius has an option to acquire 25–50% of the equity in Stelco’s recycling SPV
- Non election would lead to a 10% royalty on gross revenue earned from the use of the technology⁽¹⁾

STELCO IS POSITIONED TO BE A LEADER IN THE ELECTRIC VEHICLE CIRCULAR ECONOMY

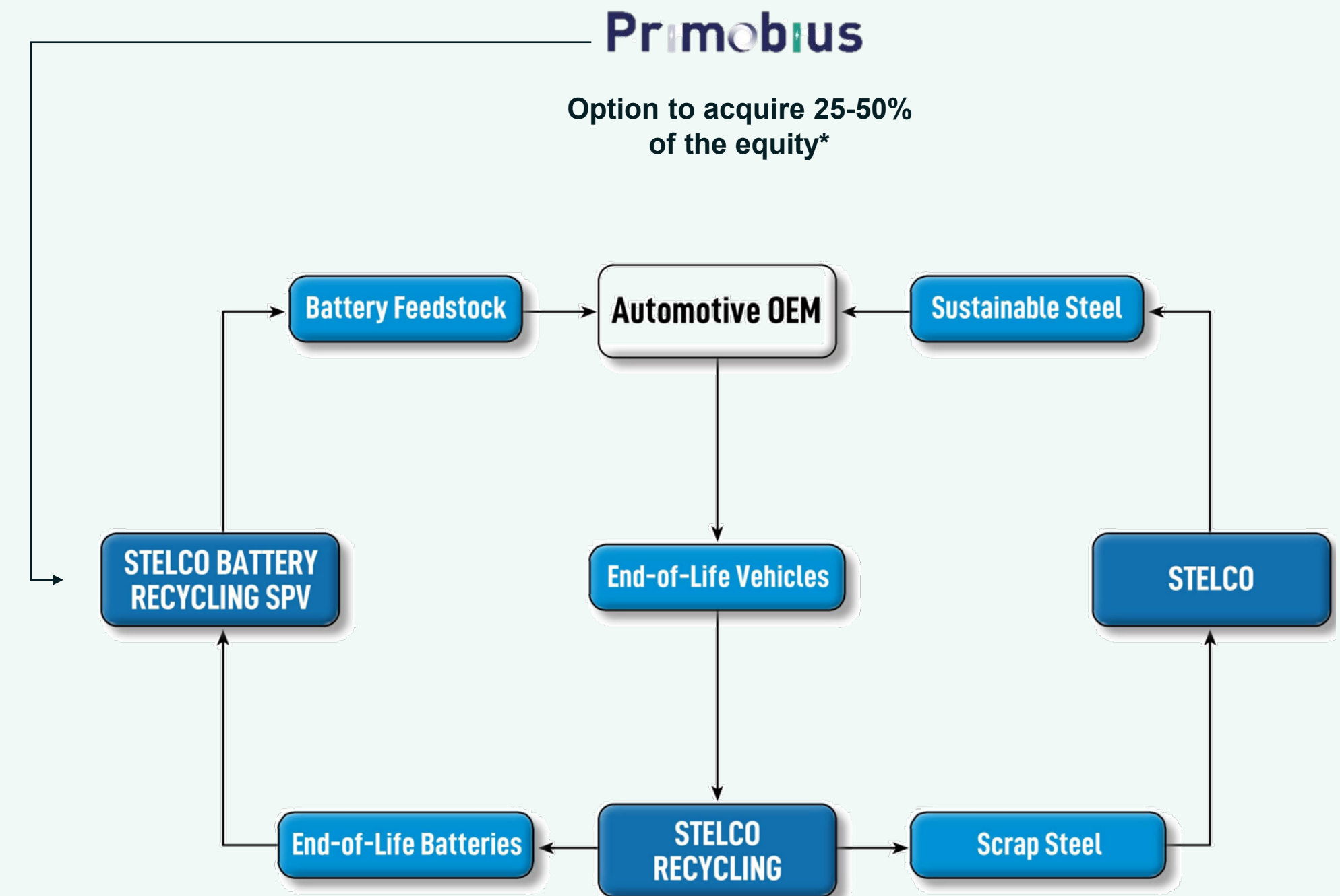


Diagram showing relationship between Stelco and the Electric Vehicle (Automotive OEM) value chain

*For full details refer to Neometals ASX release dated 31 December 2021 titled “Primobius to Enter North America with Stelco for Recycling of Electric Vehicle Batteries”

(1) Scope for reductions in the royalty rate depending on IRRs generated, and a minimum royalty fee in cases of stalled recycling production.



Greenfields Integrated Refinery - Germany

EVALUATION OF A POTENTIAL INTEGRATED OPERATION IN GERMANY

- Staged Engineering and Cost Study (“ECS”) will deliver Operating & Capital Costs for a 50 tpd (~20,000 tpa) integrated operation covering:
 - Inbound LIB storage
 - Discharging and Disassembly of modules
 - Shredding and Separation
 - Hydrometallurgical Refinery
- The Spoke and Hub are Primobius’ products which it can deploy under different business models
- Provides template for potential customers to integrate and re-estimate, tailored to their sites
- Kaiserslautern is a potential site in an existing industrial estate

New “Gigafactories” Being Built in Germany

1. Tesla
Grünheide,
up to 250 GWh

2. Microvast
Ludwigsfelde,
up to 6 GWh

3. Farasis
Ludwigsfelde,
8-10 GWh from
2022, later
up to 16 GWh

4. VW & Northolt
Salzgitter,
up to 24 GWh
from 2024

5. CATL
Erfurt, 14 GWh
from 2022, later
up to 24 GWh

6. SVOLT
Überherrn, 6 GWh
by 2023, later
up to 24 GWh

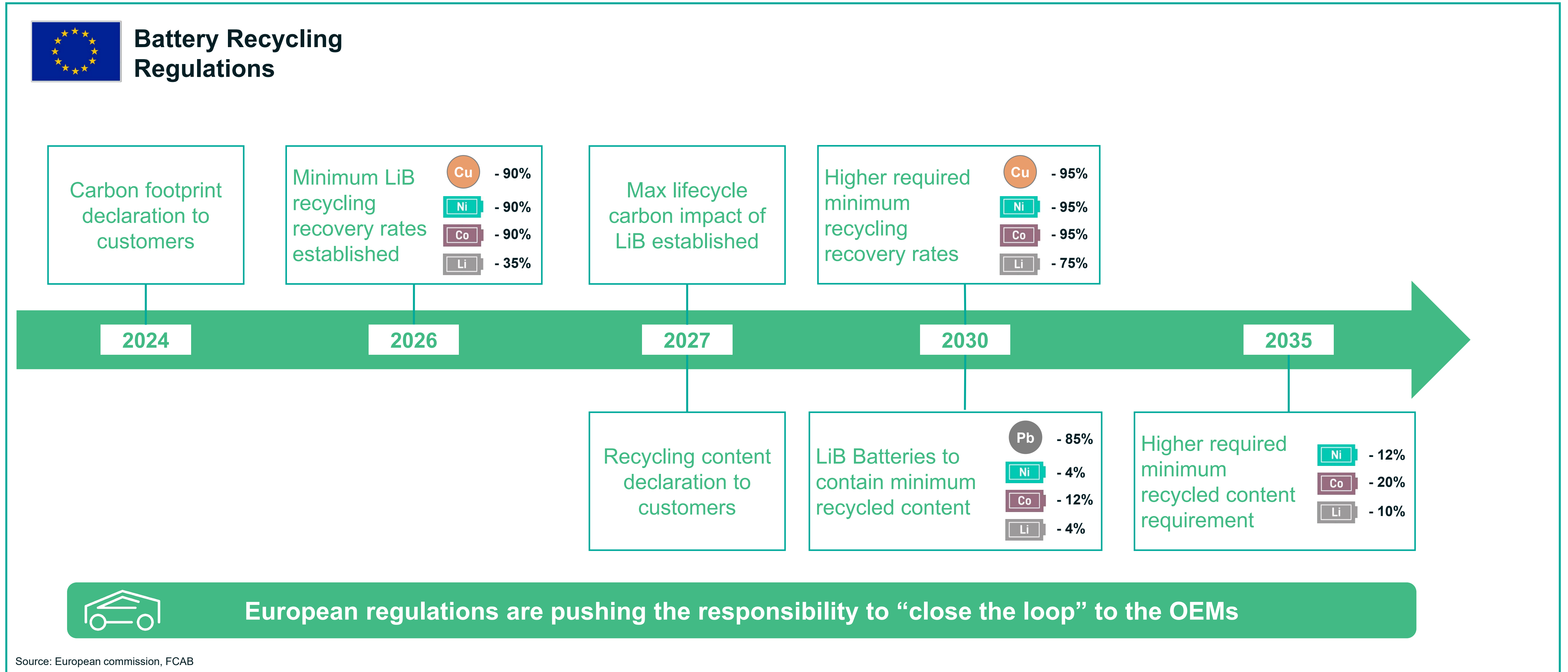
7. ACC
Kaiserslautern,
from 2023, gradual
commissioning of
individual units, up
to a total of 24 GWh



Source: en:former



European Regulation Driving Automakers to “Close the Loop”





Robust Economics Across Key Battery Chemistries

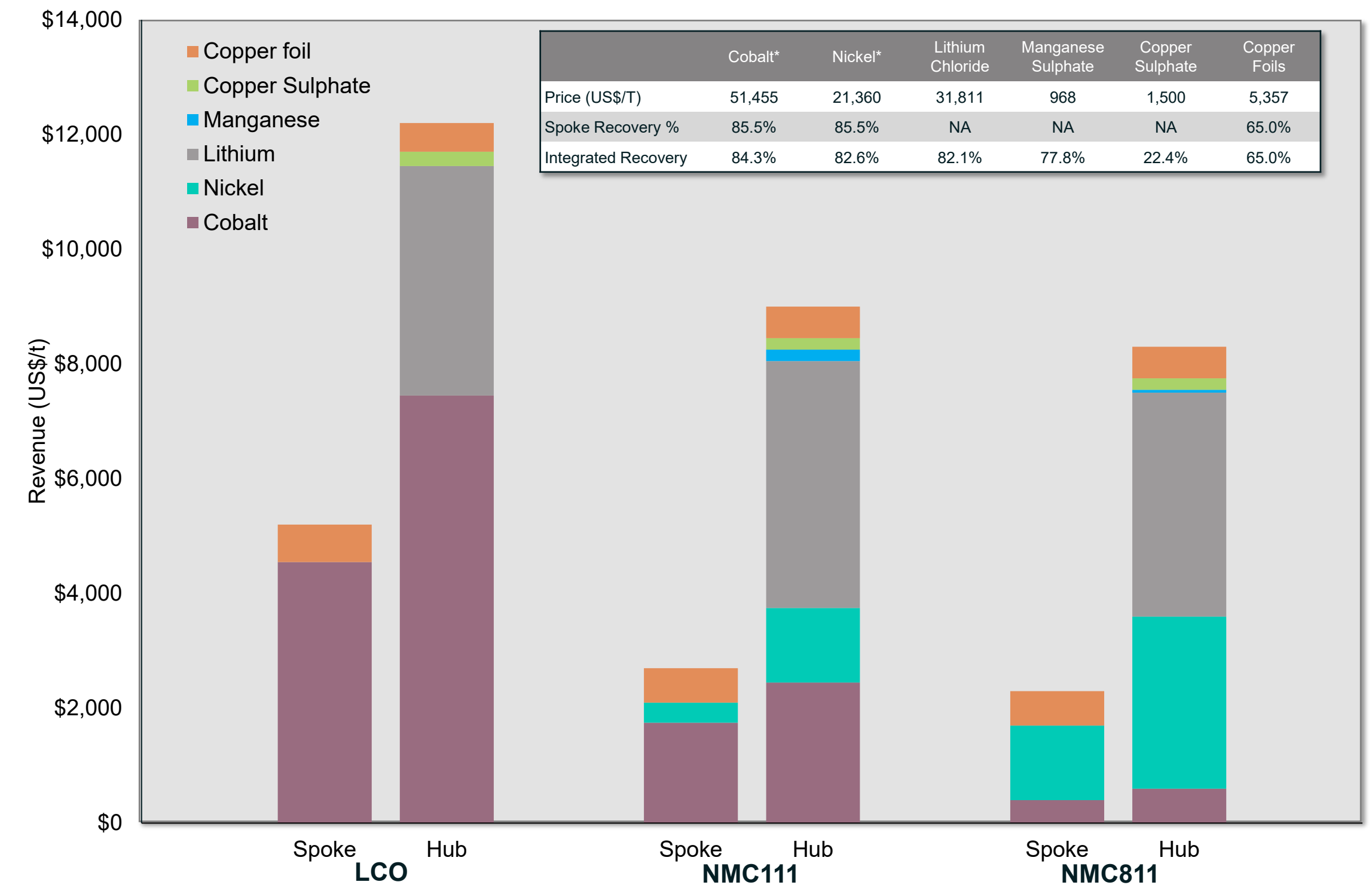
- Disclosed capital costs include land, plant, buildings, plant and equipment, installation, infrastructure, pre-production, EPC costs and contingency
- New design includes Europe's first integrated module discharge and disassembly operation – provides futureproof flexibility to handle any mix of production scrap, warranty return or EOL arising's
- Hub Engineering Cost Study Results expected 2Q 2023

Primobius Spoke ECS Outputs	
Annual Throughput (Feed)	21 ktpa
Annual Production (Black Mass)	7,130 tpa
Operating Cost per tonne of feed	US\$1,400/t ⁽¹⁾
Capital Costs (incl 20% contingency)	US\$104m

*For further information, refer to ASX release dated 13 September 2022 – “Primobius – 50tpd Spoke Engineering Cost Study Results” and the assumptions set out therein.

1. Assumes 1:1 USD:Euro FX

Integrated (“Spoke & Hub”) Projected Revenue per Tonne of Common LiB Cell Chemistries



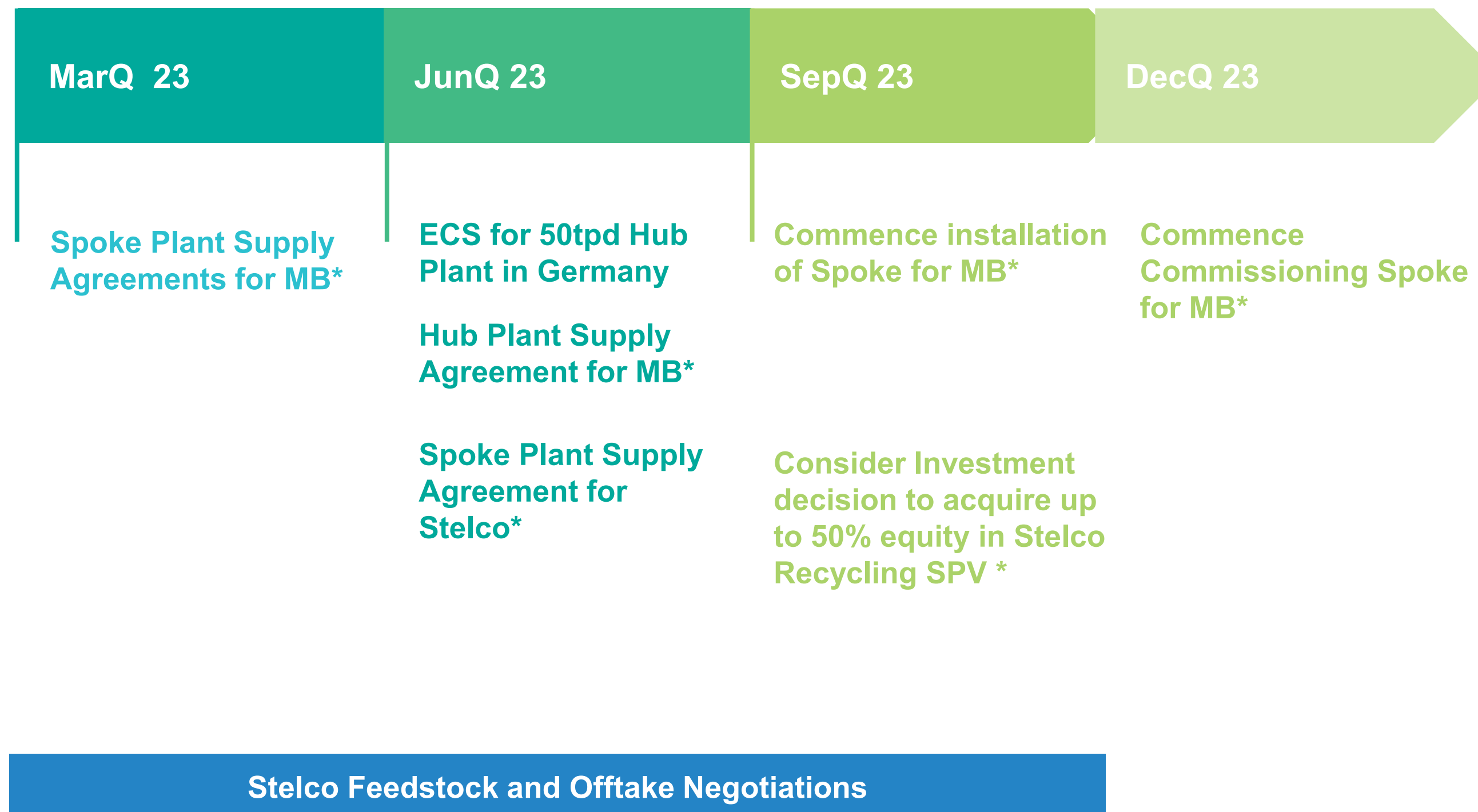
*For further information in relation to battery cell composition and product recovery assumptions, refer to ASX release dated 7 May 2021 – “Primobius Recycling JV – Operating and Capital Cost Estimates”

Source: Pricing - Fastmarkets (Co/Ni Sulphate, Manganese, Lithium, Copper - Spot Aug. 2022), LME (Co/Ni metal - contract Aug. 2022), Neometals Management (Lithium, black mass)

Note: *Black mass (spoke) revenue assumes payability for Ni/Co at 50% of contained metal value. Integrated produces Ni/Co as sulphates.



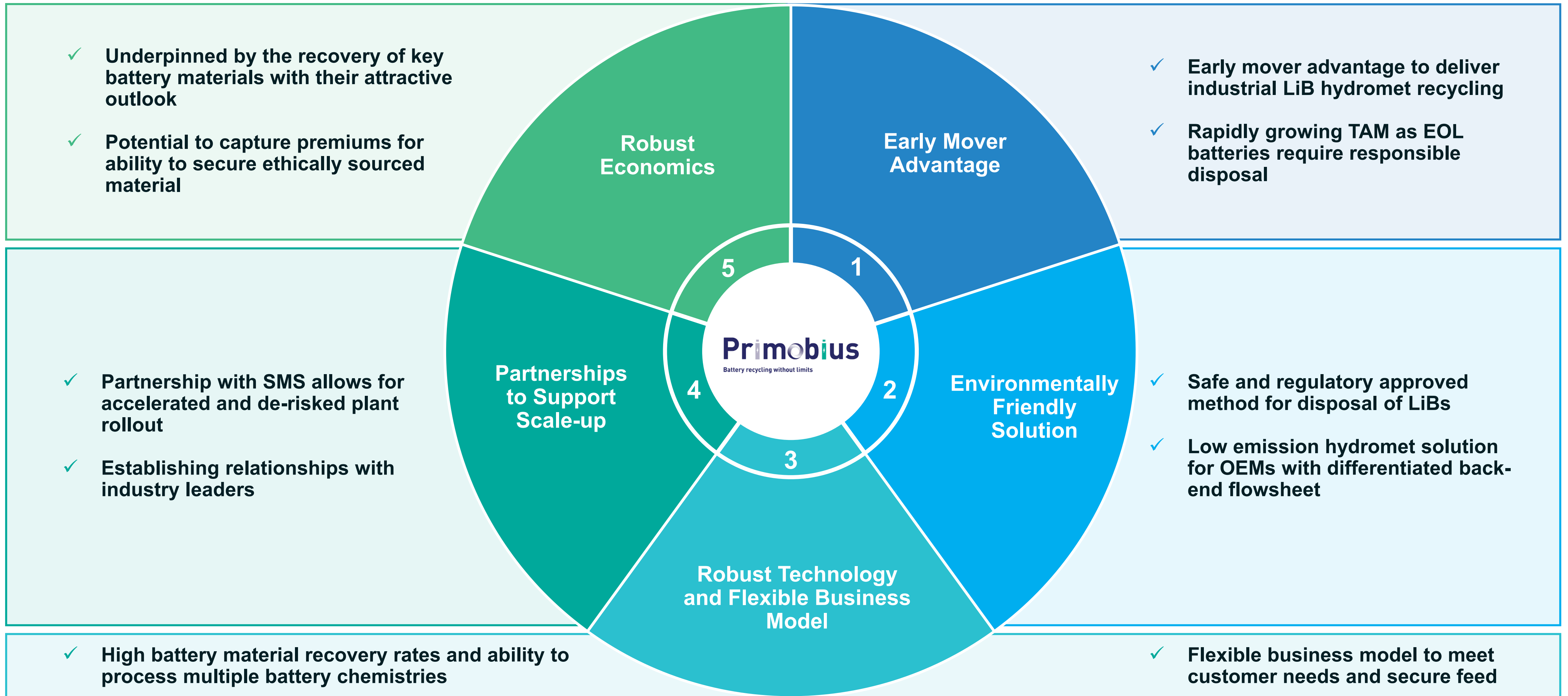
Indicative Timeline – LiB Recycling

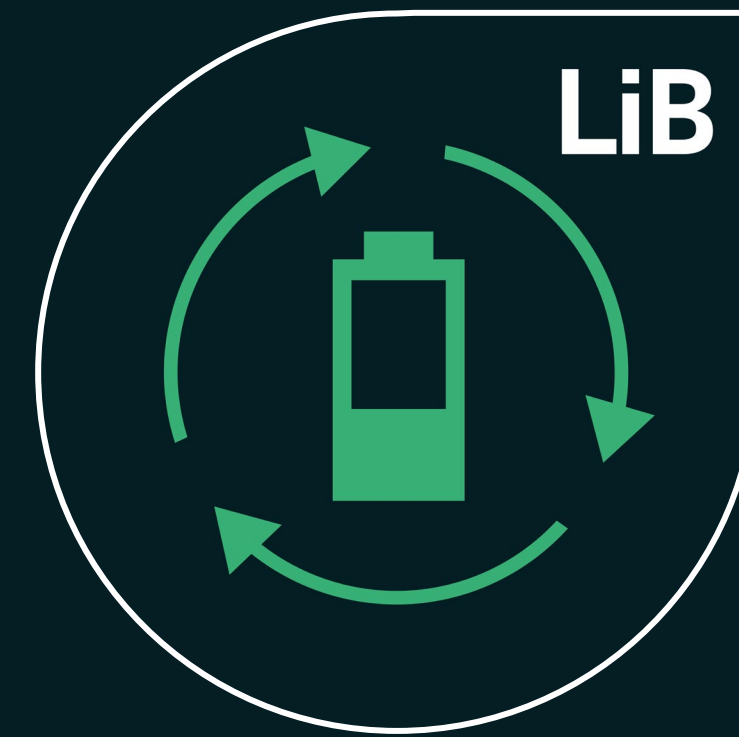


*Subject to Customer Award/Primobius and Neometals Approvals



Unique Positioning for Rapid Growth





Vanadium Recovery

Vanadium Recovery Process Technology
100% Neometals

Vanadium Recovery Project 1 - Finland
Evaluating a 50:50 Incorporated
JV with Critical Metals Ltd



Vanadium Recovery

INVESTMENT CASE



VANADIUM RECOVERY

Strong Fundamentals for Low-carbon Vanadium in EU

Piloted, Environmentally-friendly Technology – PCT/EU Patents Pending

Secure Feedstock for First Commercial operation

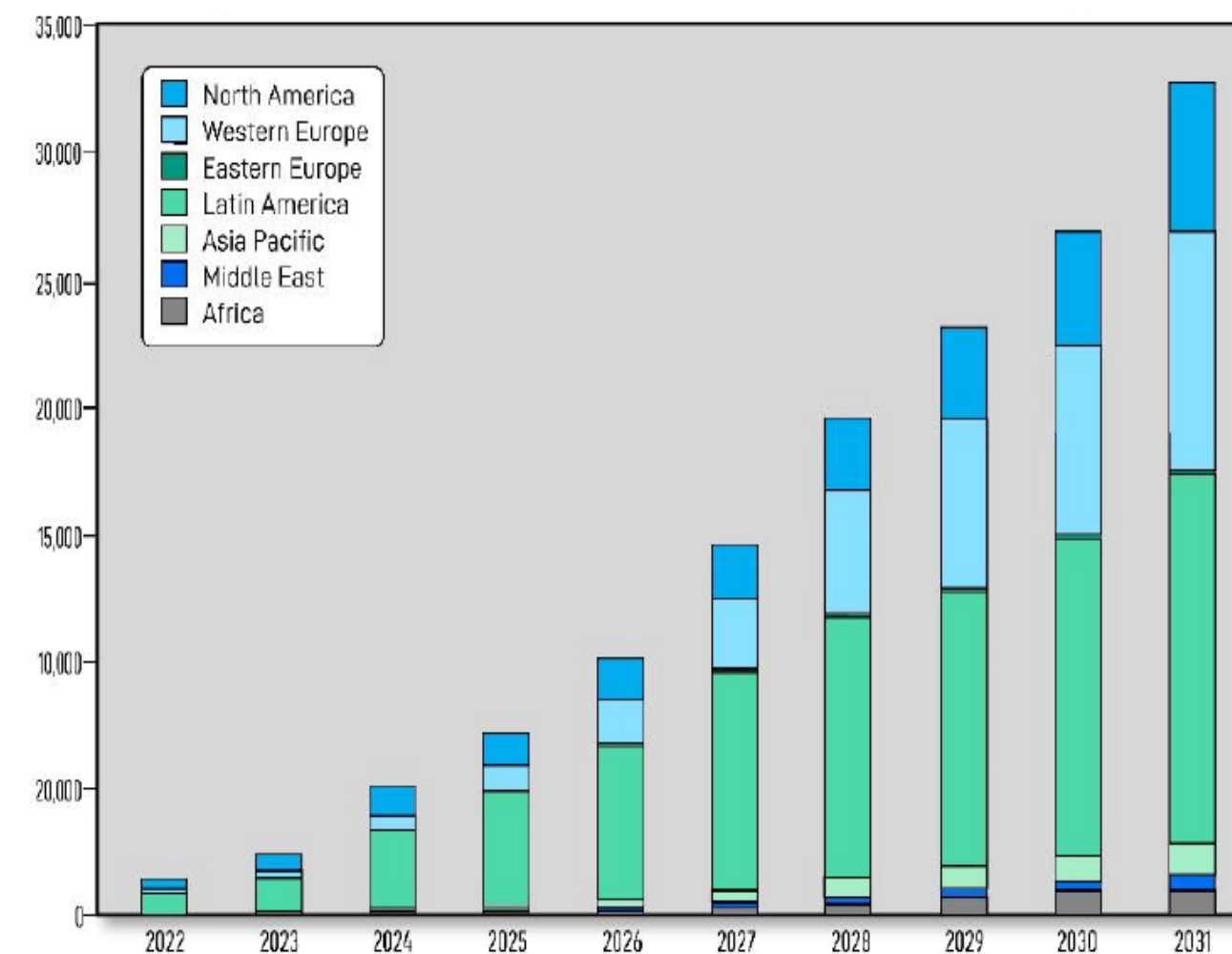
Robust Economics and Cost Position

Significant Future Growth Potential from Additional Sites

SIGNIFICANTLY INCREASING ADDRESSABLE MARKET

- EU domestic sustainable sources of this critical battery material required
- Low or zero carbon supply footprint required by EU
- High purity material in volumes for VRB and LiB applications

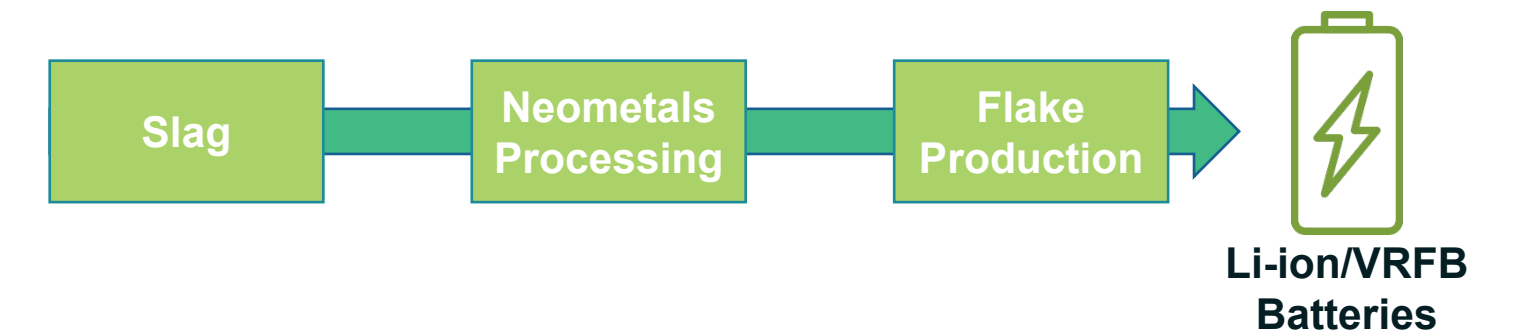
Annual Installed VRFB Utility-Scale & Commercial & Industrial Battery Deployment Energy Capacity by Region



NEOMETALS SOLUTION

UNIQUE VANADIUM RECOVERY PROCESSING TECHNOLOGY TO SUSTAINABLY PRODUCE HIGH-PURITY VANADIUM WITH LOWEST CARBON FOOTPRINT

- Utilise stockpiled by-product of the Scandinavian steel industry
- Unique (EU patent pending) hydromet process
- Can utilise captured CO₂ as the primary leaching reagent
- Can permanently sequester CO₂ in tailings product and use as filler in building materials
- Potential for negative/zero carbon production
- Conventional equipment used

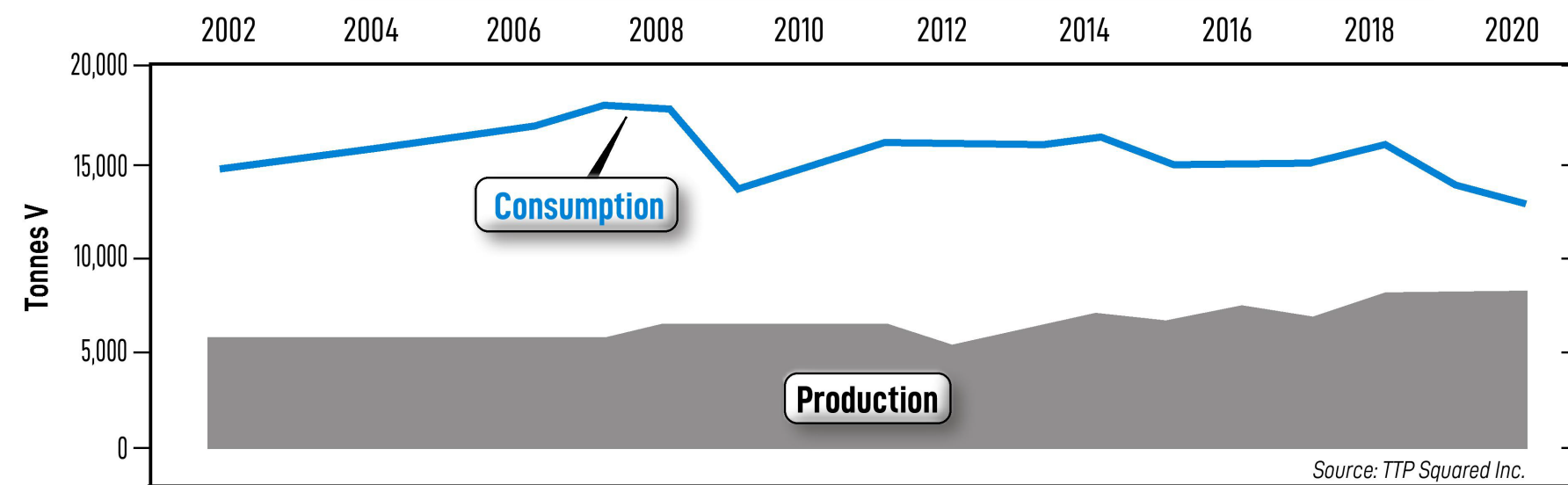




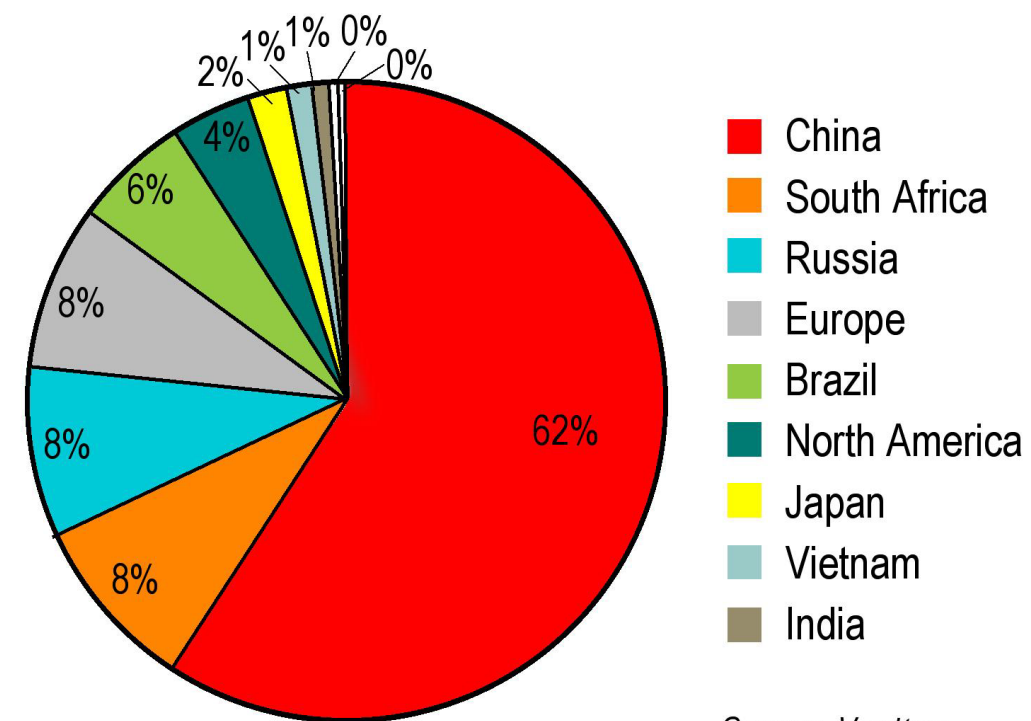
Issue

- EU in supply deficit and totally reliant on Russian feedstock
- World reliant on Chinese production but it is a net importer!

Annual Vanadium Production & Consumption, Europe (excl Russia)



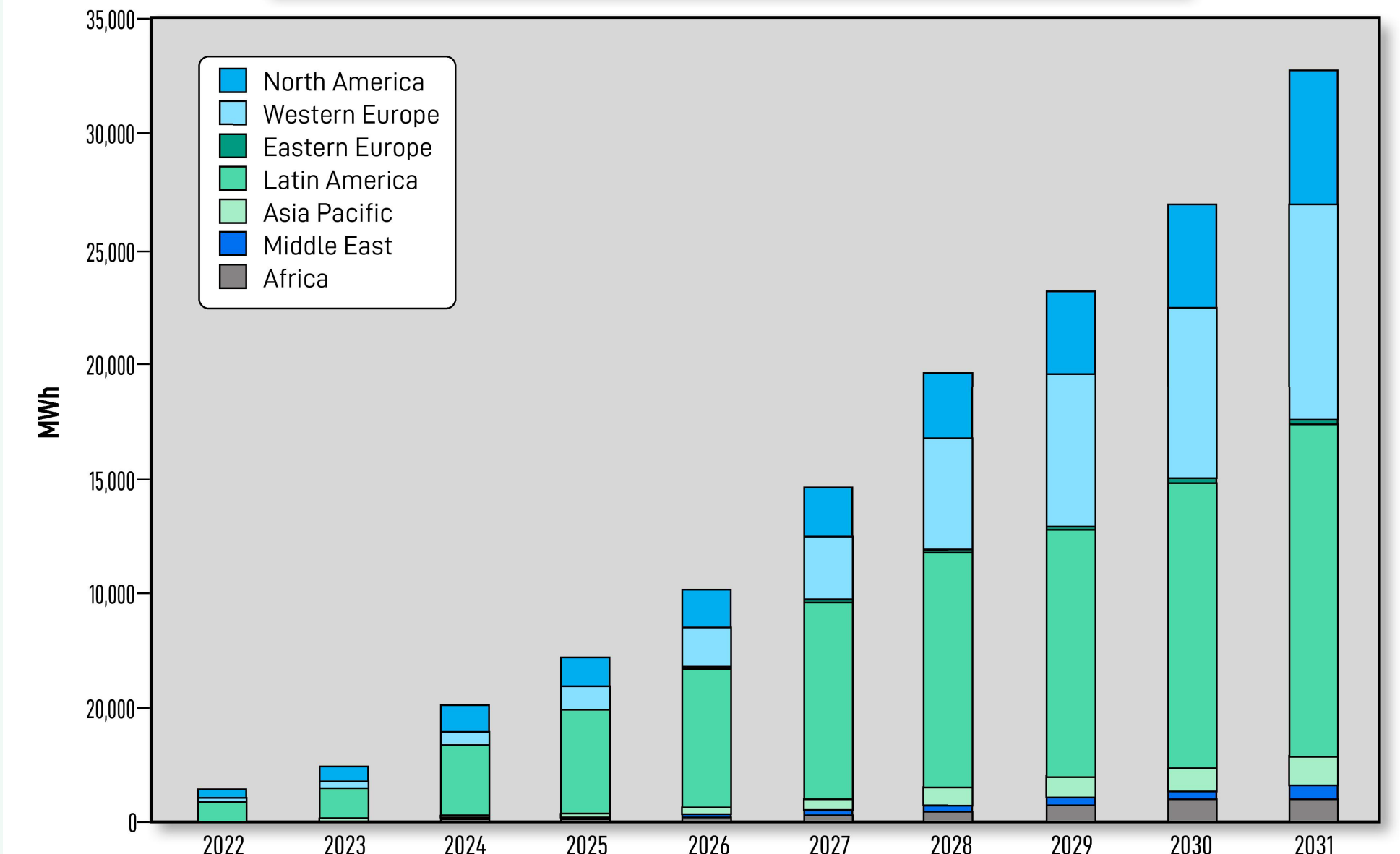
Vanadium Production by Country 2020



Need

- EU domestic sustainable sources of this critical battery material
- Low or zero carbon supply footprint required by EU
- High purity material in volumes for VRB and LiB applications

Annual Installed VRFB Utility-Scale & Commercial & Industrial Battery Deployment Energy Capacity by Region





Pori, Finland – Proposed First Vanadium Recovery Plant



- City of 86,000 inhabitants with a long history as a hydrometallurgical centre of excellence
- Access to a 'build-ready' 20 hectare industrial-zoned site adjacent to the deep water, year-round port with rail access to the bulk import/export and chemical berths
- Access to renewable power and other utilities and free access to its industrial sources of CO₂ for capture and sequestration in Neometals' proprietary process flowsheet
- Option over slag off-take secured and on favorable price sharing terms



Robust financial metrics – no mining risk

SALE OF HIGH PURITY V TO BATTERY INDUSTRY PLUS BY-PRODUCTS TO INDUSTRIAL APPLICATIONS.
SUPPORTED BY LOWEST QUARTILE COSTS AND ESG CREDENTIALS

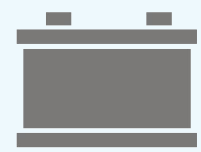
Class 3 Engineering Cost Study

THROUGHPUT RATE



300,000tpa

PRODUCTS



**19M lbs p.a.
high purity
zero carbon V₂O₅**

OPEX



US\$4.38/lb

CAPITAL COSTS



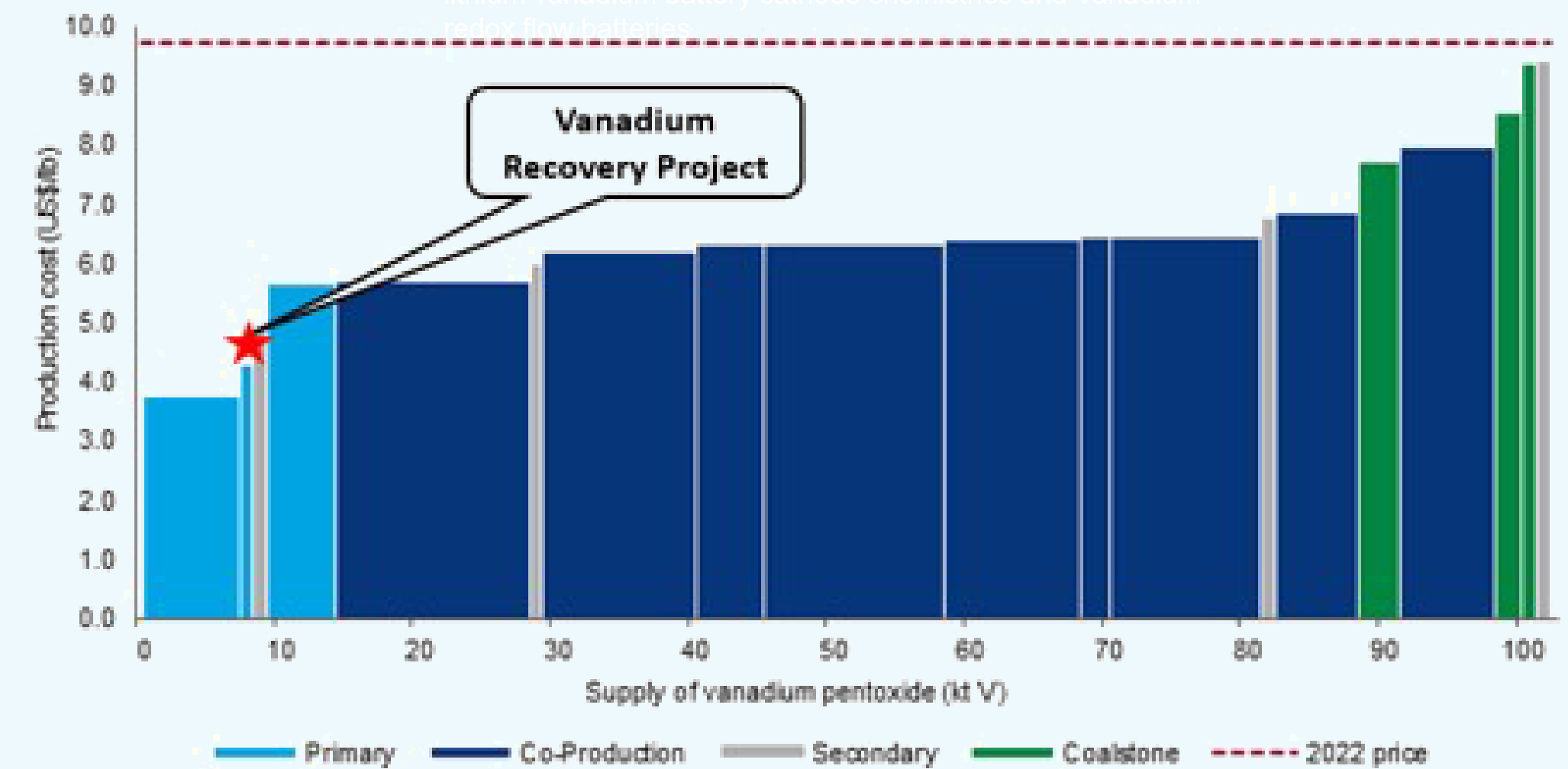
US\$341M

All figures expressed on a 100% ownership.

For further information, refer to ASX release dated 8th July 2022 - Vanadium Recovery Study Confirms Lowest Quartile Cost Potential.

2022 Vanadium Cost Curve

imbalance for Vanadium with demand upside from new lithium vanadium battery cathode chemistries and Vanadium redox flow batteries



Source: Wood Mackenzie

Source: Wood Mackenzie – Cost Curve, Neometals Management – VRP Cost Position



Indicative Timeline – Vanadium Recovery

Successfully obtained Environmental Permit in October 2022

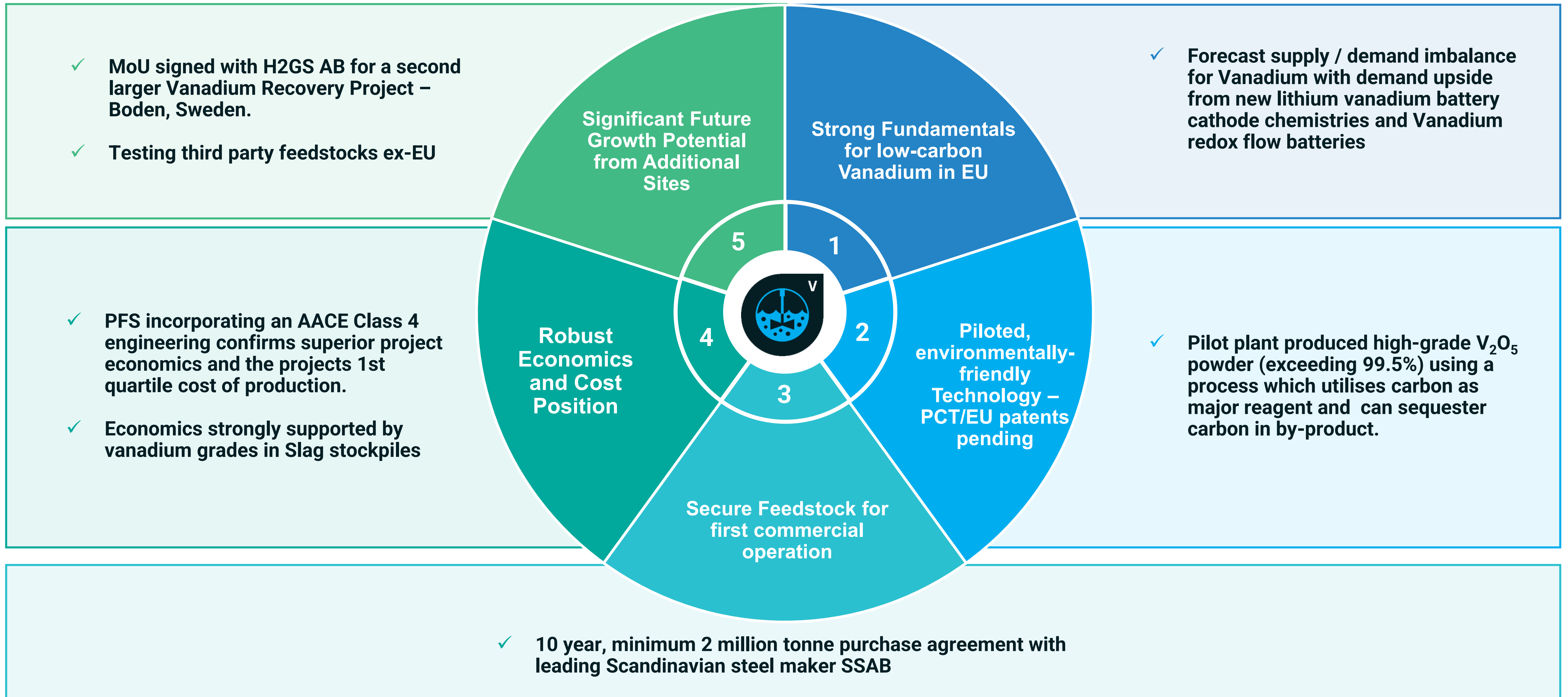


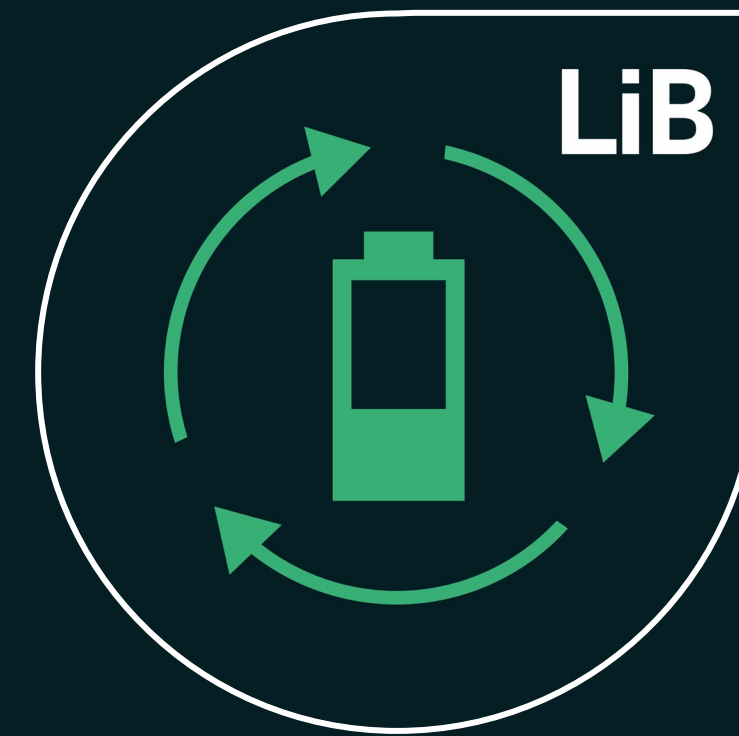
* Subject to successful studies and Neometals/Critical Metals Board approval

** Subject to FID, approvals, finance

*** Subject to SSAB extension as part of the new purchase agreement for an additional 1Mt slag – prepayment increases to 1.2Mt

Investment Case – Vanadium Recovery





Lithium Chemicals

ELi[®] Processing Technology
Reed Advanced Materials (“RAM”)
70% Neometals / 30% Mineral Resources Ltd

Lithium Chemicals Project - Portugal
Co-funding evaluation of 50:50 JV with Bondalti Chemicals SA using ELi[®]
Process

Lithium Chemicals

INVESTMENT CASE



ELi[®] LITHIUM
PROCESS

Unique Technology with 12 granted patents and 18 pending

Significant Operating and Capital Cost Advantage

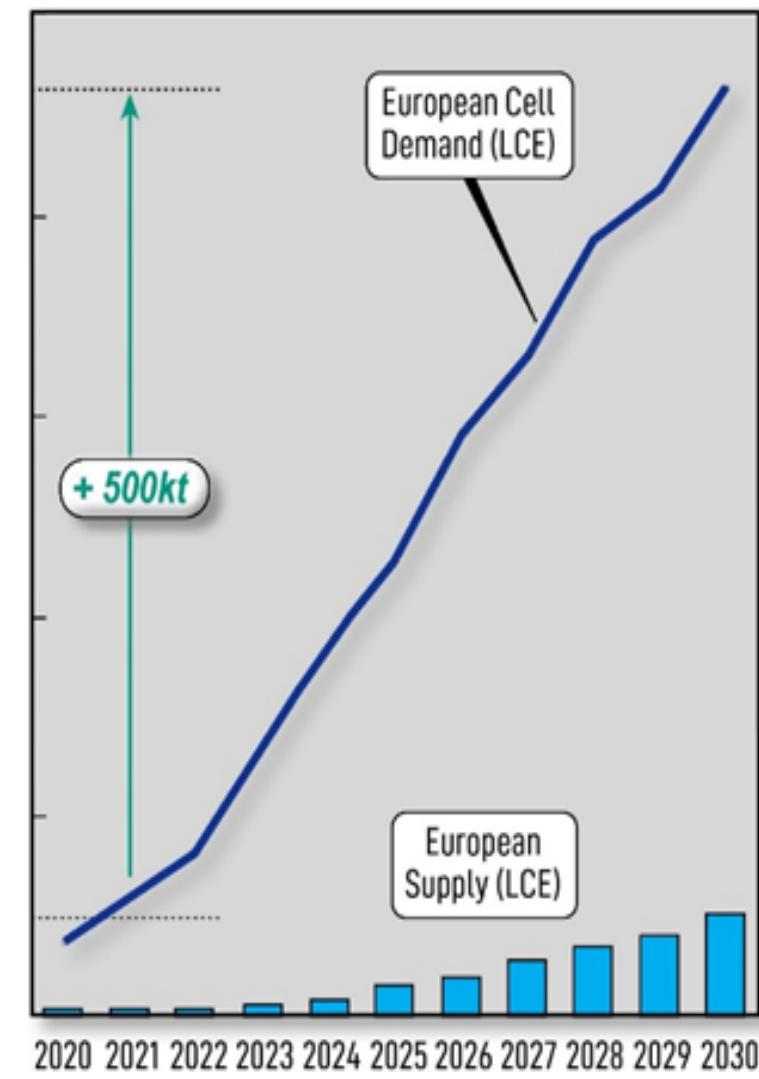
Compelling Environmental Benefits to Reduce CO₂ Footprint

Strong Partner to Scale up and Commercialise in EU

Flexible Chemicals Process Which is Replicable Globally

SIGNIFICANTLY INCREASING ADDRESSABLE MARKET

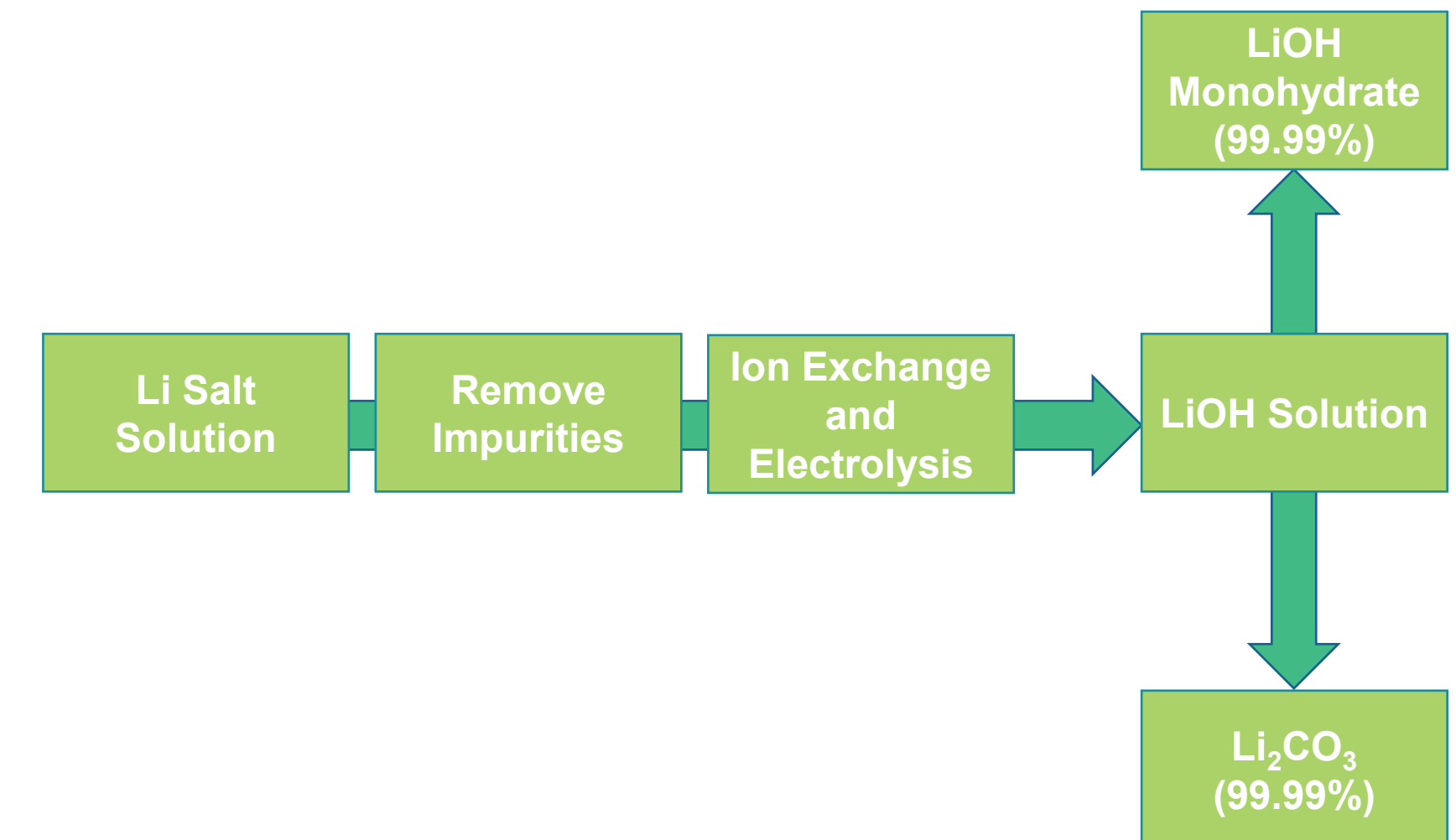
- Lithium is a key non-substitutable chemical in LiBs
- EU currently has no lithium production
- Lithium is the largest contributor to CO₂ emissions in LiBs



Source: Benchmark Forecasts

NEOMETALS SOLUTION

- Utilises off-the-shelf technologies to produce lithium chemicals
- Battery quality products
- Significantly reduce carbon output
- Significant operating and capital cost advantages



Bondalti Partnership

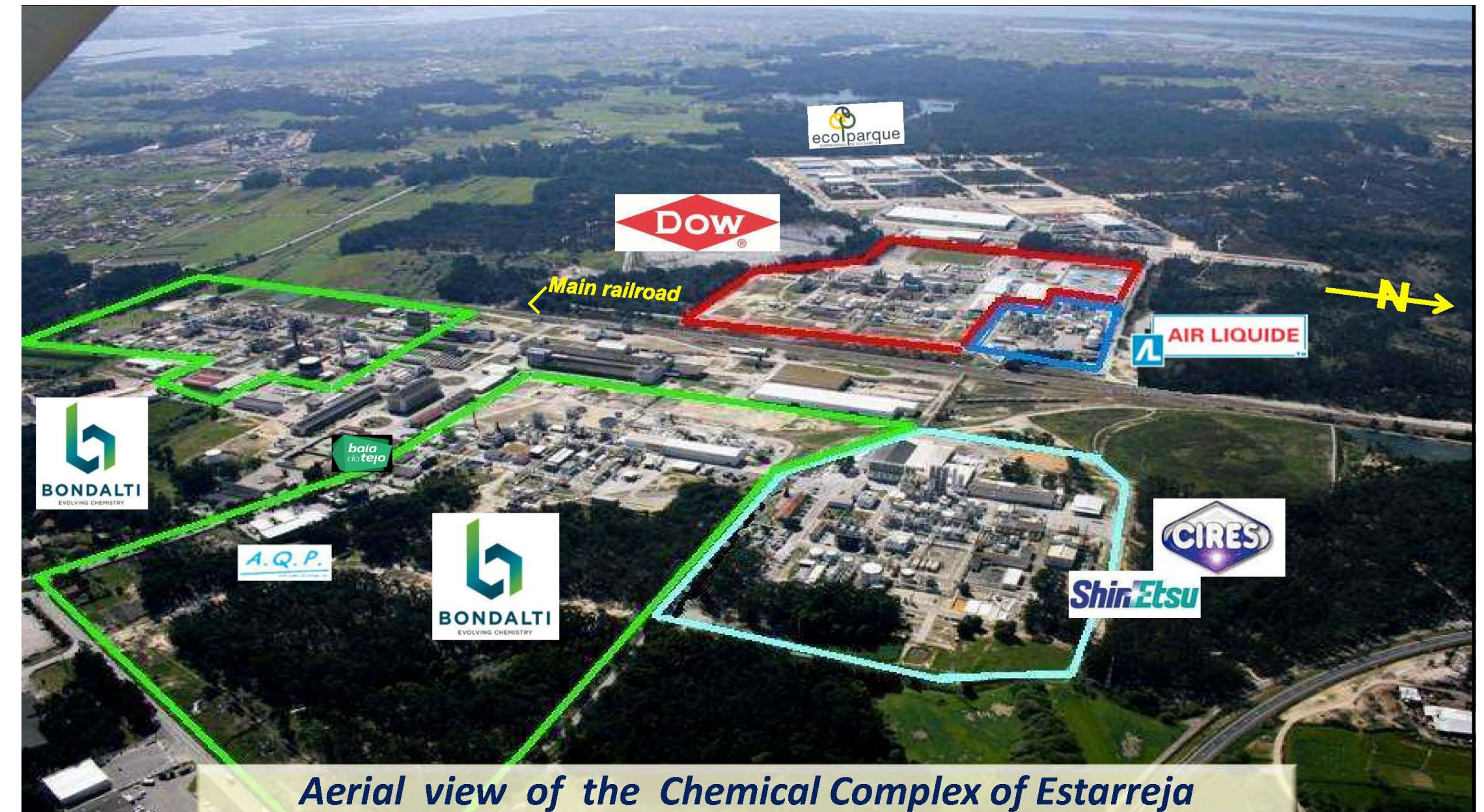
LEVERAGE BONDALTI'S STRONG EXPERIENCE IN CHLOR-ALKALI EXTENSIVE INFRASTRUCTURE ENABLES FAST-TRACK EVALUATION AND PILOTING AT THEIR ESTARREJA CHEMICAL SITE

Bondalti:

- Largest Portuguese chemical producer - based in Estarreja chemical cluster
- Seeking entry into LiOH production using its chlor-alkali process infrastructure
- Production synergy for ELi[®] to ship H₂ and Cl₂ by-products “over the fence”
- Experienced and competent industrial operator of same type of chlor-alkali plant used for ELi[®]

Cooperation*:

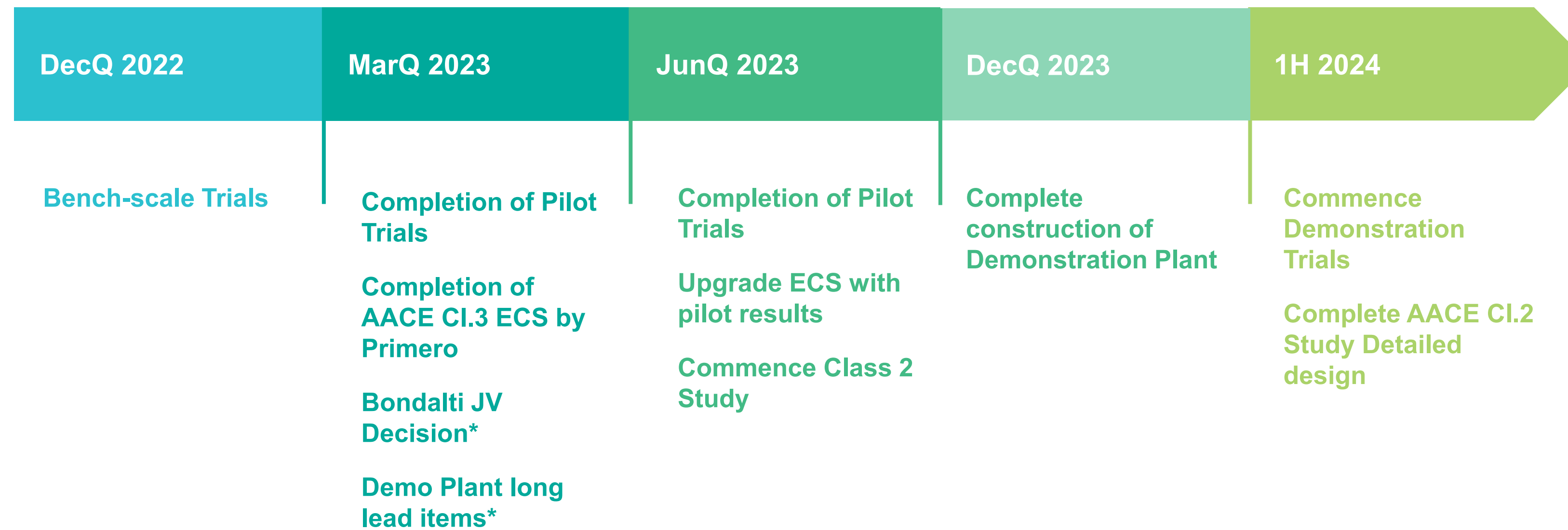
- Binding cooperation to pilot ELi[®] and evaluate future 50:50 JV to produce LiOH for European auto value chain
- RAM would issue the JV a royalty free license to the technology
- Equal co-funding on pilot and evaluation activities



*For further information, refer to ASX release dated 13th December 2021 – “Agreement to Commercialise ELi Lithium Process in EU”

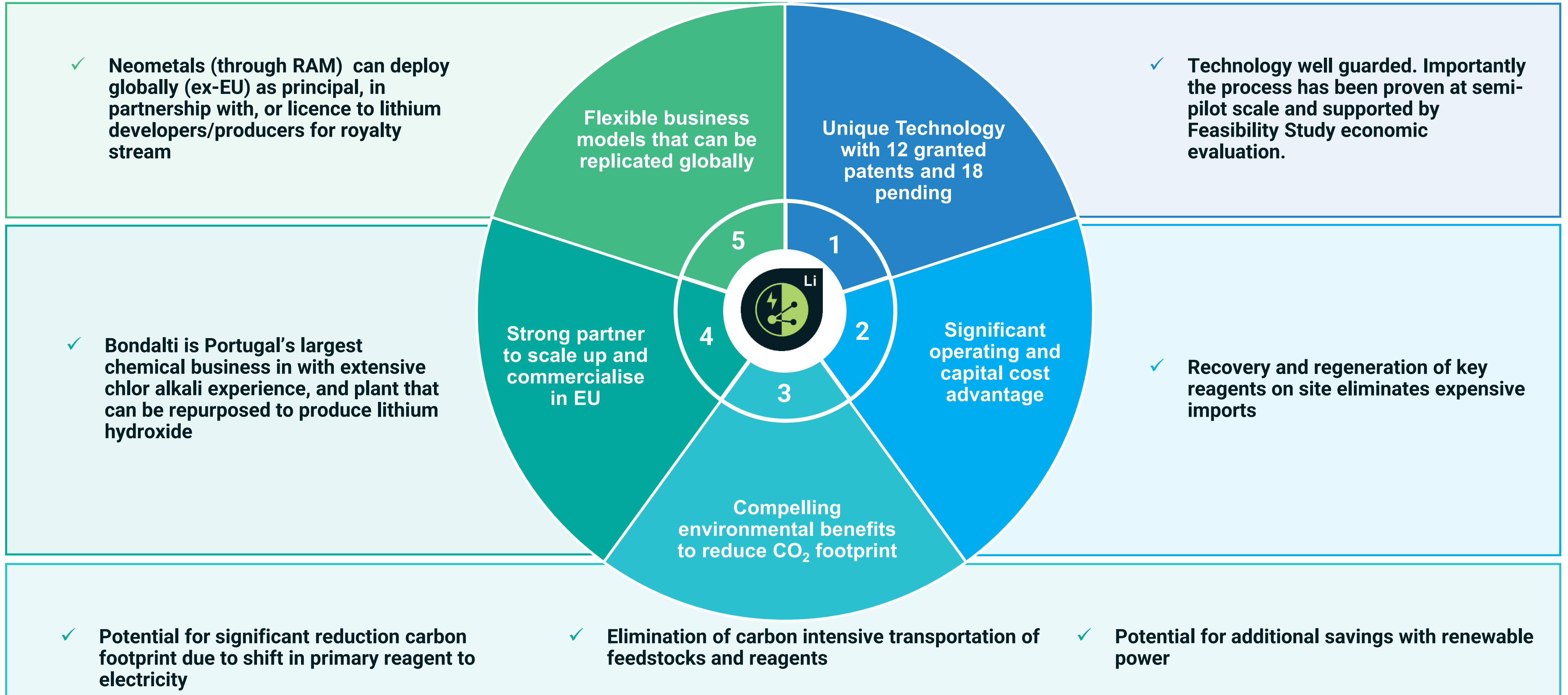


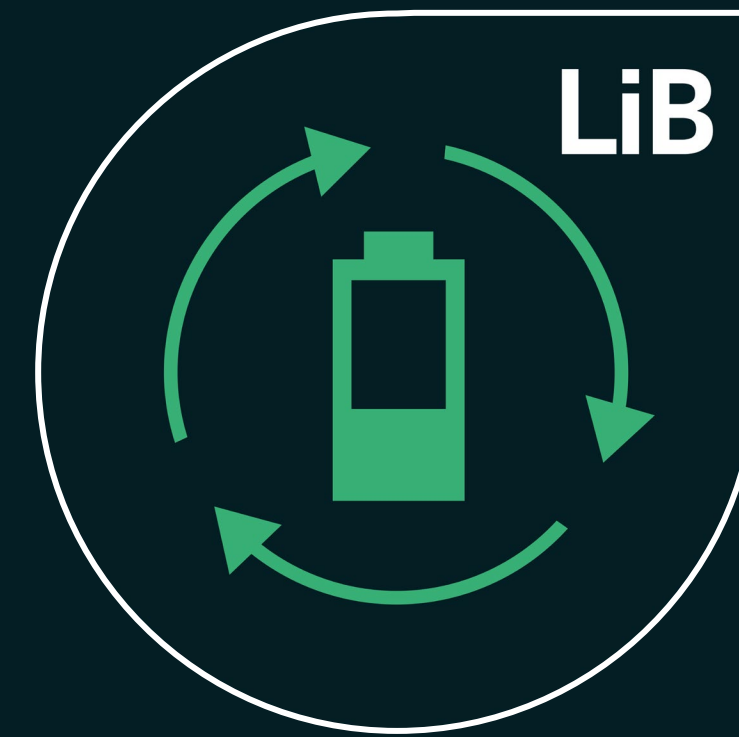
Indicative Timeline - Lithium Chemicals



*Subject to Steering Committee Approvals

Investment Case – Lithium Chemicals





Barrambie Titanium and Vanadium

Barrambie Titanium and Vanadium Project
100% Neometals

Barrambie: Sunrise for the Sleeping Giant



- One of the highest-grade hard rock titanium assets globally
- 100% owned in Tier 1 jurisdiction
- Granted mining lease and mining approval to extract approximately 1.2Mtpa of mineralisation
- Environmental approval secured in 2012 to mine and construct a 3.2 Mtpa processing plant. Implementation timeframe extension application underway.
- Attracted strong partner to optimise value realisation
- Successful commercial scale trial to demonstrate value in use to end users

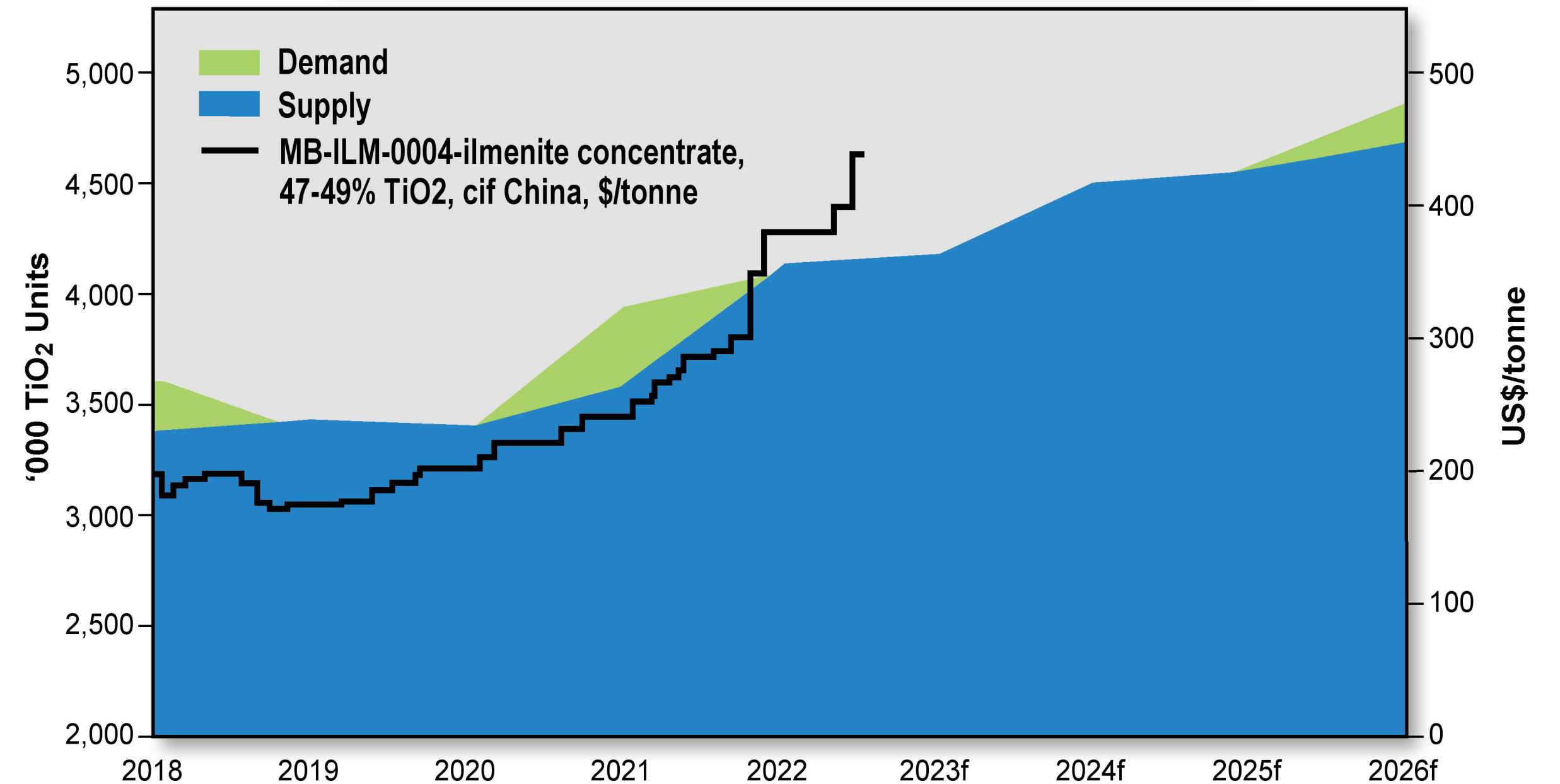
Need & Opportunity

China is half of the global titanium pigment production and is shifting to the more sustainable chloride process

World supply of quality chloride feedstocks is in decline, with prices steadily increasing for the last 5 years

- Chloride pigment production requires high-grade feedstocks such as ilmenite, rutile and titanium slags
- Primary mineral sands (rutile, ilmenite) deposits are being depleted
- Neometals is working with Chinese partners to realise value from production¹

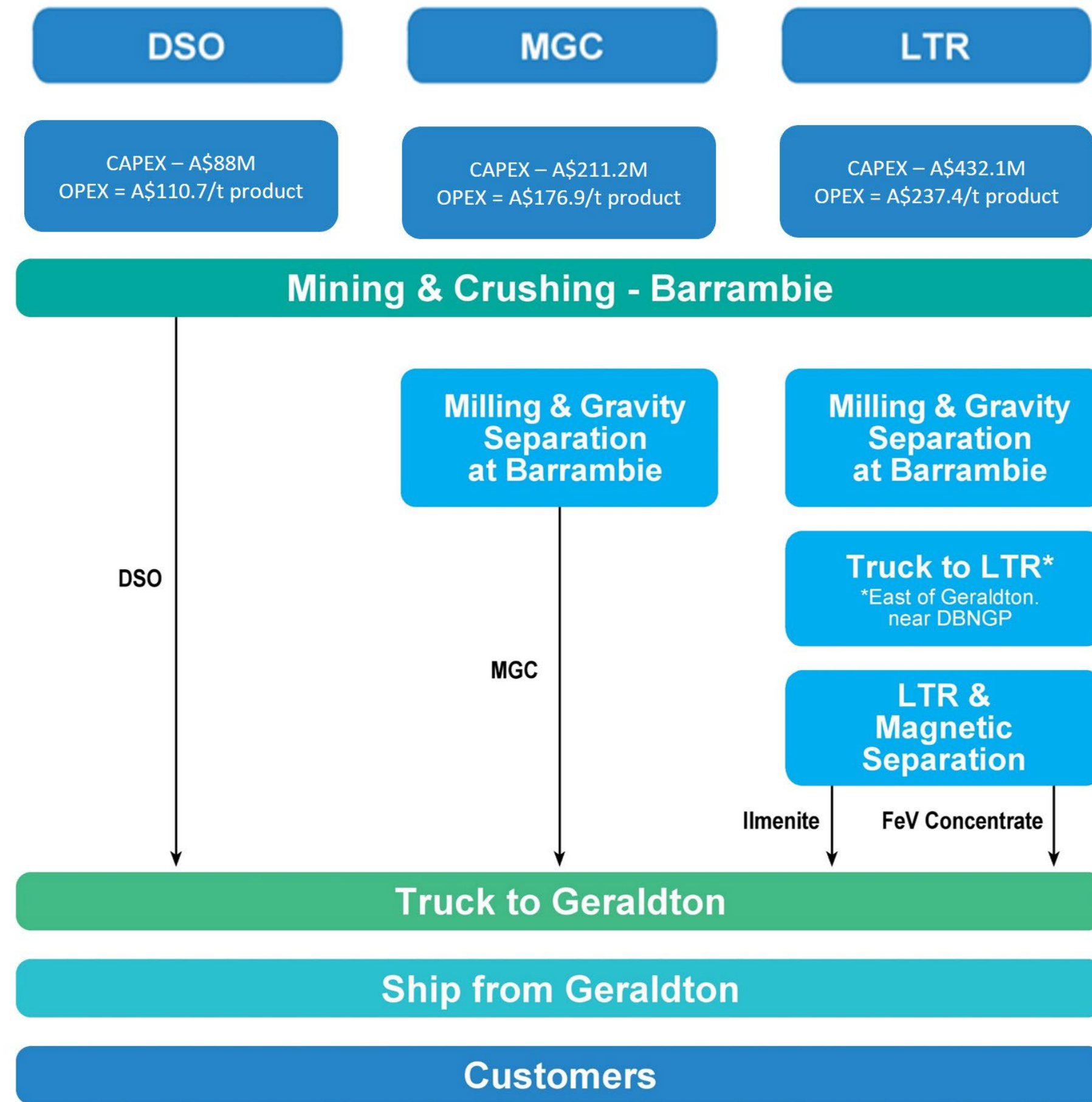
Chloride Feedstock Supply Demand Balance and Ilmenite Price



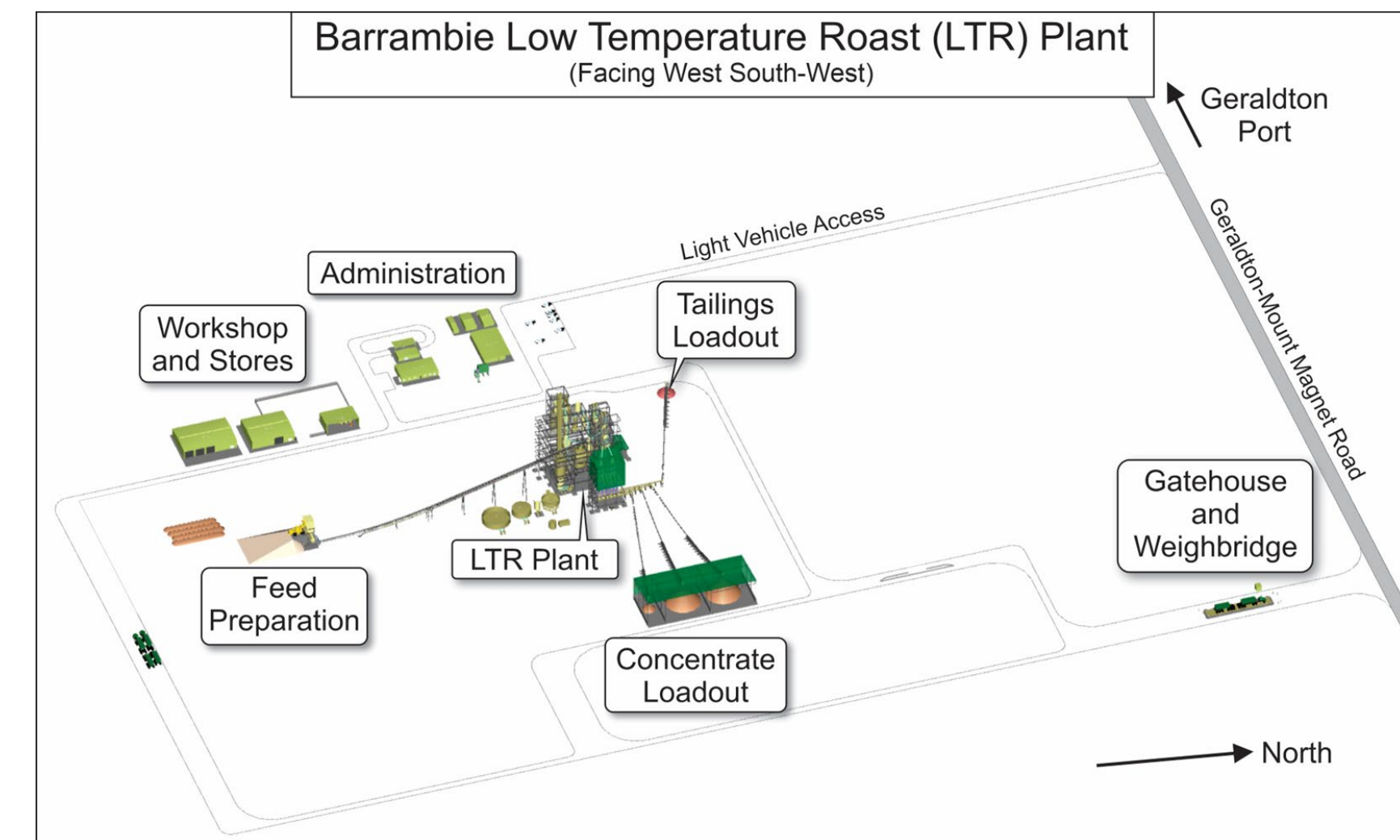
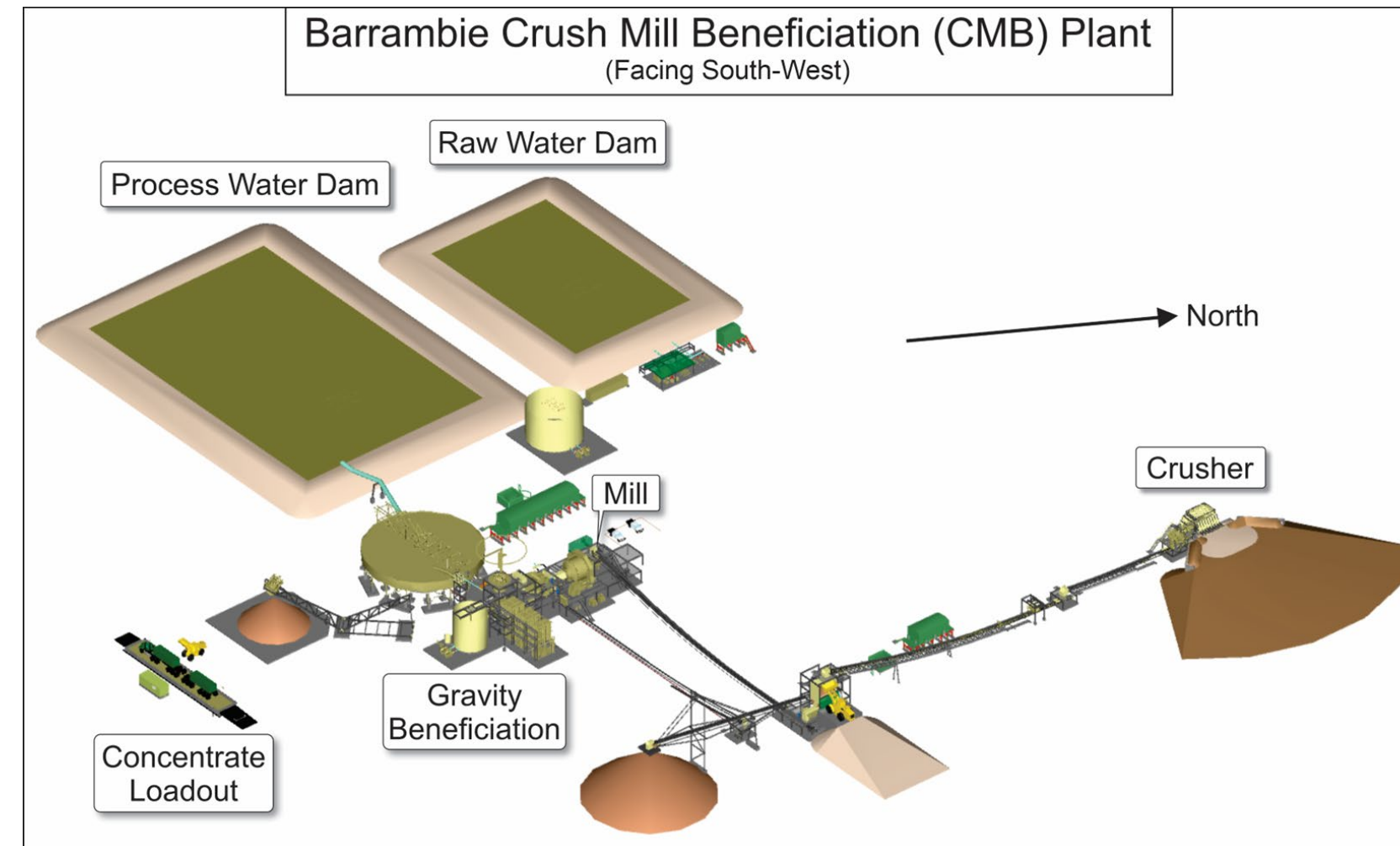
Source: TZMI, Titanium Feedstock Price Forecast, Issue 3, 2022 and Fastmarkets

1. For full details of commercial partnerships via MOU refer to:
 Neometals ASX release dated 16th April 2021 titled "Barrambie - MOU for Cornerstone Concentrate Offtake" and
 Neometals ASX release dated 4th October 2021 titled "MOU for JV to develop Barrambie"

The Solution: Pathways to Commercialise



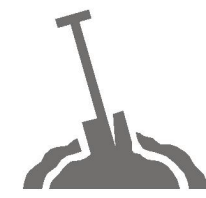
*Dampier to Bunbury Natural Gas Pipeline



For full details refer to Neometals ASX release dated 17th November 2022 titled "Robust Outcomes From Barrambie Titanium Project PFS"

Robust PFS Results

MINERAL RESOURCE*



280.1Mt
@ 9.18% TiO₂

ORE RESERVE**



44.5Mt
@ 18.7% TiO₂

PROCESSING PLANT



First 10 years:
Ilmenite 522ktpa
Middling ilmenite 57ktpa
Iron-vanadium conc. 402ktpa

PROJECT LIFE***



21 Years

OPEX



AUD\$237.4
/t products

PAYBACK



5.67 years

CAPITAL COSTS



AUD\$432.1M****

PRE TAX NPV₁₀



AUD\$391M*****

FREE CASH FLOW*****

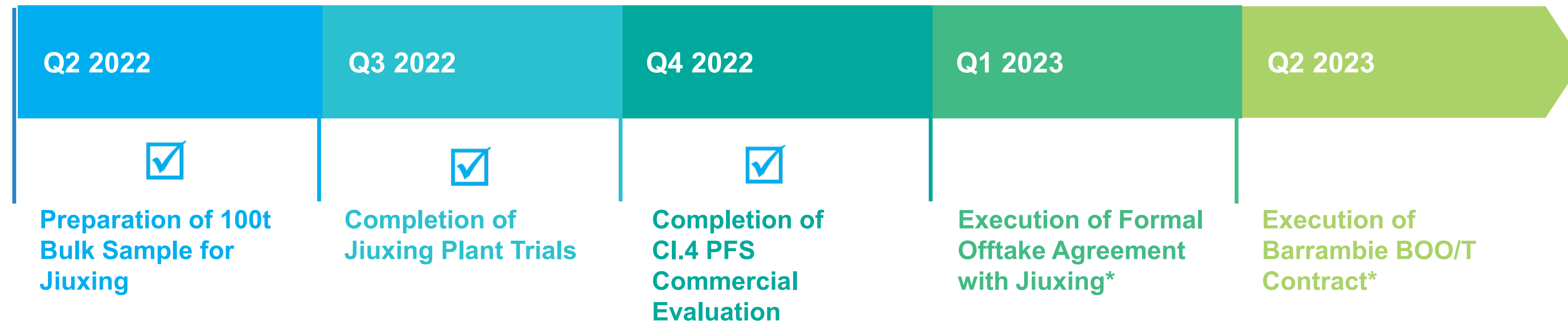
Total
AUD\$1,665M
First 10 years
AUD\$136M pa

* refer to Table 2 ** probable *** years of processing plant operation **** USD: AUD 0.6419 ***** at US\$400/t Ilmenite at US\$300/t Middling ilmenite at US\$85/t Iron-vanadium conc. free cashflow is pre-tax and undiscounted

- The PFS confirms 'value-in-use' for Barrambie's product basket and supports dialogue with potential offtake partner Jiuxing

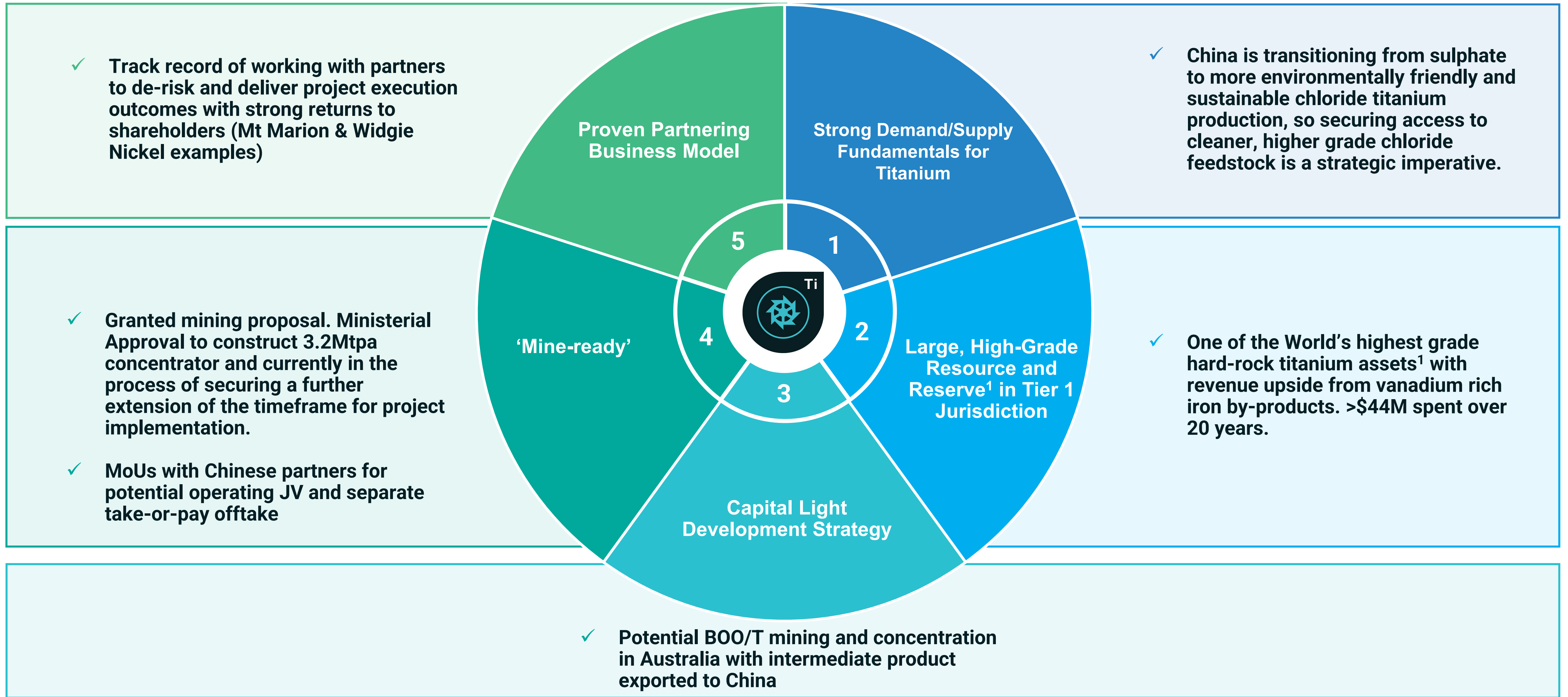
For full details refer to Neometals ASX release dated 17th November 2022 titled "Robust Outcomes From Barrambie Titanium Project PFS"

Indicative Timeline - Barrambie



*Subject to successful Jiuxing trial, positive PFS and Board Approval

Investment Case



1. For full details refer to Neometals ASX release dated 17th April 2018 titled "Updated Barrambie Mineral Resource Estimate" and Neometals ASX release dated 17th November 2022 titled "Robust Outcomes From Barrambie Titanium Project PFS"

Company Highlights

Neometals is an attractive investment.



Growing portfolio of **ESG-aligned, sustainable** battery materials businesses with near-term decision points



Proprietary green processing technologies underpin low-cost, low-carbon product



Clear **strategy** to commercialise with proven partnering business model



Strong balance sheet, fully funded to key investment decisions



Strong team with **track record** and commitment to **green circular economy** principles



Strong organic **growth** potential (size and scale) from pipeline of opportunities to deploy as principal, partner or technology licensor – whatever customer needs

Thank you.

neometals.com.au

ASX: NMT | AIM: NMT | OTC: RDRUY | DEU: 9R9



Mineral Resource and Ore Reserve Estimate

Global Mineral Resource as at 17 April 2018¹

	Tonnes (M)	TiO ₂ (%)	V ₂ O ₅ (%)
Indicated	187.1	9.61	0.46
Inferred	93.0	8.31	0.40
Total	280.1	9.18	0.44

High Grade V₂O₅ Mineral Resource (at 0.5% V₂O₅ cut-off)²

	Tonnes (M)	TiO ₂ (%)	V ₂ O ₅ (%)
Indicated	49.0	16.93	0.82
Inferred	15.9	16.81	0.81
Total	64.9	16.90	0.82

High TiO₂ Mineral Resource (14% TiO₂ cut-off)²

	Tonnes (M)	TiO ₂ (%)	V ₂ O ₅ (%)
Indicated	39.3	21.18	0.65
Inferred	14.3	21.15	0.58
Total	53.6	21.17	0.63

- (1) Based on Cut-off grades of ≥10% TiO₂ or ≥0.2% V₂O₅
 (2) The high-grade titanium and vanadium figures are a sub-set of the total Mineral Resource. These figures are not additive and are reporting the same block model volume but using different cut-off grades

Barrambie Titanium Ore Reserve Estimate - November 2022^{**}

Ore Reserve Category	Ore Tonnes (Mt)	TiO ₂ (%)	V ₂ O ₅ (%)	Fe ₂ O ₃ (%)
Probable	44.5	18.7	0.61	44.1

Cut-off is based on net value (revenue minus selling, processing, administration and incremental ore mining costs) >\$0/t on a diluted block-by-block basis from the parameters used in the pit optimisation. Ore Reserves reported are within the Mineral Resource estimates. This relates roughly to a 10% TiO₂ cut-off.

*For full details refer to Neometals ASX release dated 17th April 2018 titled "Updated Barrambie Mineral Resource Estimate"

**For full details refer to Neometals ASX release dated 17th November 2022 titled "Robust Outcomes From Barrambie Titanium Project PFS"