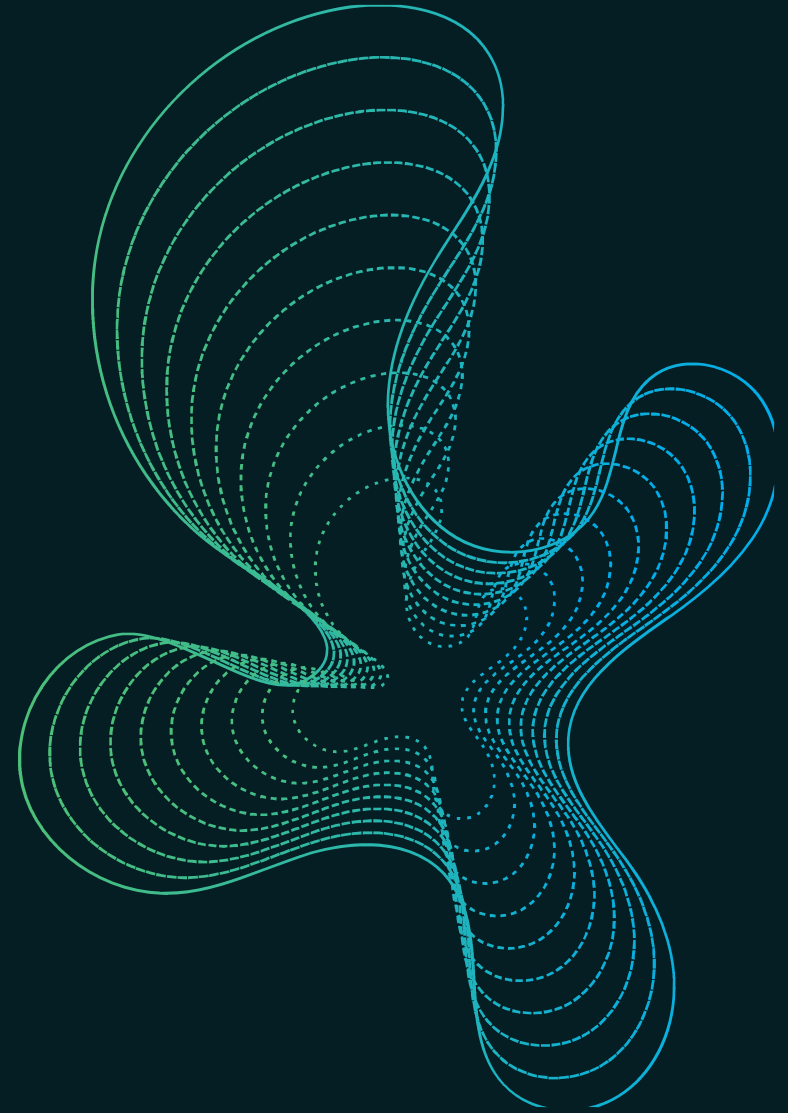




Neometals

Greener materials for future generations



Neometals RIU Explorers Presentation

ASX Code: **NMT** | OTC/Nasdaq Intl: **RDRUY** | Frankfurt: **9R9**

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.

EXECUTIVE SUMMARY

Neometals innovatively develops opportunities in minerals and advanced materials essential for a sustainable future.



Innovative
ASX-listed
project
developer



Focus on
circular,
sustainable
materials
recovery



Suite of growth
projects supporting
transition to circular
supply and cleaner
energy:

1. Li-ion Battery
recycling
2. Vanadium Recovery
Project
3. ELi® Lithium
Process
4. Barrambie Ti/V
Project



Project
commonality -
integrated
minerals/materials
for EV and ESS
sectors to
decarbonize the
supply-chain



Strong team with
track-record of
strategy / project
execution and
shareholder return

THREE CORE BUSINESSES ALL REACHING INVESTMENT DECISIONS IN 2022

CORE PROJECTS ALL AT MATURE STAGES OF DEVELOPMENT.
LITHIUM HYDROXIDE PROJECT FOLLOWING HOT ON THE HEELS



LITHIUM-ION BATTERY RECYCLING

(50:50 Incorporated JV)



VANADIUM RECOVERY

(Earning into 50:50 JV)



ELi LITHIUM HYDROXIDE

(Earning into 50:50 JV via RAM (70% NMT/30% MIN))



BARRAMBIE TITANIUM

(MOU for 50:50 Operating JV)

INVESTMENT HIGHLIGHTS

1. EV driving ever increasing volumes of production scrap, warranty returns and end-of life
2. Demonstrating proprietary green process – high recovery, high purity products, low cost, CO₂ footprint
3. Partnered with leading global plant supplier SMS group
4. Flexible business models

1. Increasing demand from EV/ESS
Piloted proprietary green process - high-purity low-carbon vanadium
2. Secure 10 feedstock supply contract
3. Lowest quartile cost domestic production of critical mineral in EU
4. Global rights (ex-Scandinavia) to deploy – growth options

1. Potential for domestic production of lithium in EU
2. Piloting Patented Process to prove significant operating and capital cost advantages
3. Green powered, low carbon
4. Committed industry partner
5. Global rights (ex-EU) to deploy – growth options

1. Diminishing supply of Titanium feedstocks driving price consistent growth for last 6 years
2. World's 2nd highest-grade hardrock Ti resource (for chloride slags) Tier-1 jurisdiction with key permissions to mine
3. Offtake MoU in place

NEAR-TERM CATALYSTS

- 10tpd commercial plant opening March 2022 – disposal service as Principal
- Licence and Option Agreement to deploy into NA with Stelco
- FS/FID in Q3 2022 for 20ktpa operation

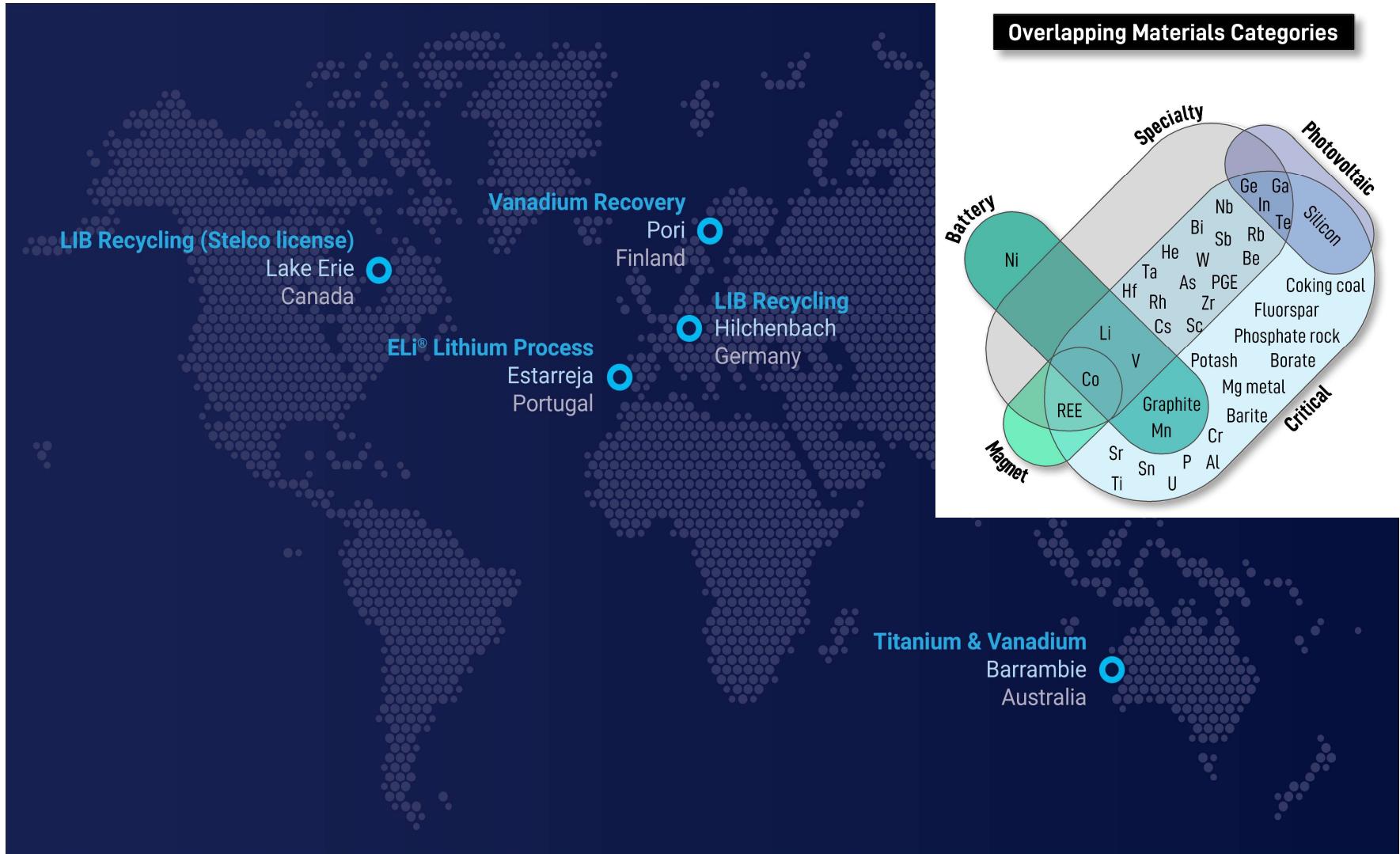
- FS completion end June 2022
- FID end Dec 2022 for first plant in Pori, Finland
- MOU for potential 2nd larger plant in Sweden and testing new sources

- Updated FS and Co-funded pilot trials in 2022
- Evaluation on multiple brine/hard rock feed sources
- FEED Study and FID H2 2023

- Smelting trials in Q2 2022 for industrial scale validation
- Negotiate full-form off-take agreements
- Target FID end 2022

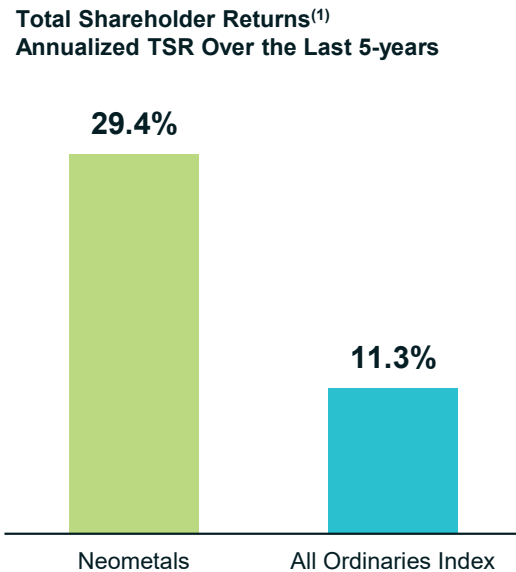
DIVERSIFIED ESG ALIGNED PORTFOLIO

INTEGRATED MINERALS / MATERIALS FOR EV AND ESS
SECTORS TO DECARBONISE THE SUPPLY CHAIN



ALIGNED MANAGEMENT TEAM WITH A TRACK RECORD OF PROJECT DEVELOPMENT

- Team with growing track record in delivering project outcomes – Mt Marion, Widgie Nickel
- Clear strategy and project model can be replicated
- Strong balance sheet to fund all projects through to FID
- A\$82M in dividends / buyback / return of capital in last 5 years
- Alignment with founders, board and management holding ~8% equity



MT MARION DEVELOPMENT CASE STUDY – Identify, Innovate, Integrate, Partner



Successful project development including:

- Acquisition, JV with Mineral Resources Ltd (ASX:MIN) earning 30% equity by funding to FID
- Internal DFS, Mining and Construction Approvals, Infrastructure
- Qualification of spodumene suitability for lithium hydroxide conversion

De-risked project development

- Secured LOM off-take and equity partner Ganfeng Lithium
- Funded share of development via an equity sell-down

Successful exit facilitates futures growth

- ~A\$230MM of cash from exit against initial investment ~A\$3MM
- Proceeds provide shareholder returns and funding for future next stage growth focused on circular sustainable materials recovery

BOARD



Steve Cole
Chair



Dr Natalia Streltsova



Doug Ritchie



Dr Jennifer Purdie



Les Guthrie

EXECUTIVE



Chris Reed
Managing Director



Jason Carone
CFO



Michael Tamlin
COO



Darren Townsend
CDO

1. Bloomberg as at 19 November 2021; Latest returns data available for all ordinaries index is from 29 October 2021

SUSTAINABILITY



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

- All projects, particularly EU, focused on materials for decarbonisation and the clean energy revolution
- Further – to support domestic supply chain resilience and increasing the lifetime of ethical resources
- Genuine ESG conviction – core business to support resilience and adaptability
- All projects align with corporate purpose and sustainability objectives. 2nd ESG report lodged - TCFD, ESG remuneration KPI's, CY2021 NMT carbon neutrality, quantifiable targets for CY2022



CORPORATE DASHBOARD

NEOMETALS HAS SIGNIFICANTLY OUTPERFORMED THE ASX200, WITH LTM SHARE PRICE APPRECIATION OF 351% AND A\$82M RETURNED VIA DIVIDENDS AND BUY BACKS IN THE LAST ~5 YEARS

ASX: NMT OTC:RDRUY

Shares on Issue ⁽¹⁾	m	548.4
Share Price	A\$	1.41
Market capitalisation	A\$m	773.2
Cash (31-Dec-21) ⁽²⁾	A\$m	72.8
Debt	A\$m	-
Investments (31-Dec-21) ⁽³⁾	A\$m	47.9

MAJOR SHAREHOLDERS

David Reed (Former Non-Executive Director)	6.9%
Clearstream/Deutsche Börse	2.9%
Top 20	35%
No of Shareholders	~13,344

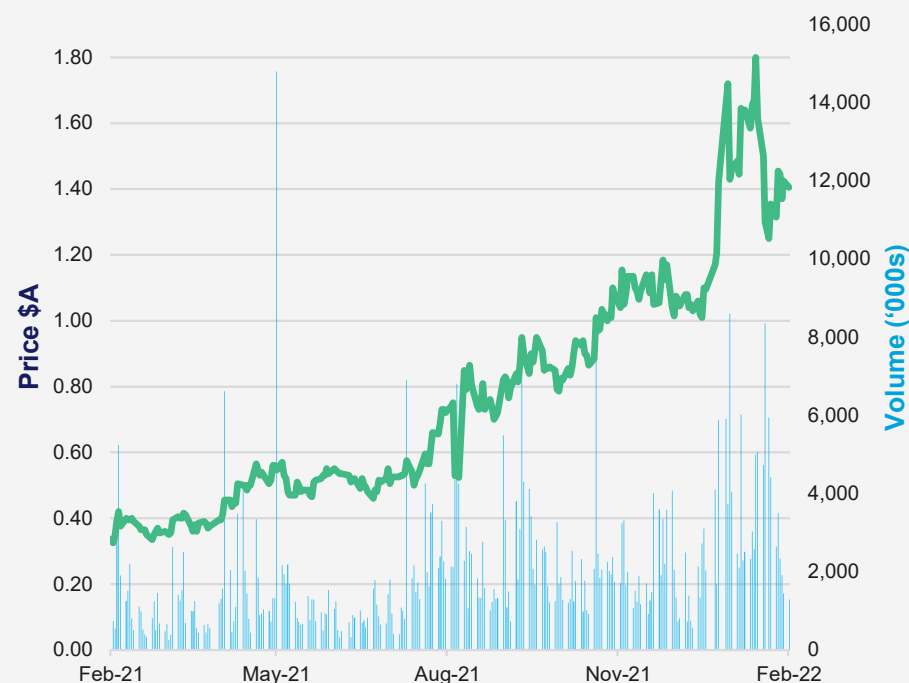
Notes: Market data as at 7 February 2022.

⁽¹⁾ Excludes 15.3M performance rights

⁽²⁾ incl A\$4.2M restricted term deposits

⁽³⁾ Loan receivables and investments

12 MONTH SHARE PRICE PERFORMANCE

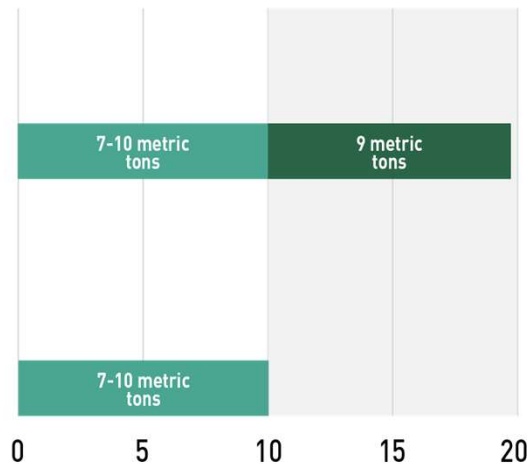


HOW TO ADDRESS THE EMERGING 'CARBON SHOCK' OF EV'S

EV'S START LIFE WITH LARGER CO2 FOOTPRINT THAN COMBUSTION ENGINE CARS. MAJORITY OF KEY CRITICAL RAW MATERIALS ALL TARGETED BY NEOMETALS RECYCLING EFFORTS

Vehicle Manufacturing CO₂ Emissions

Vehicle Production Battery Production
(raw materials & cell making)

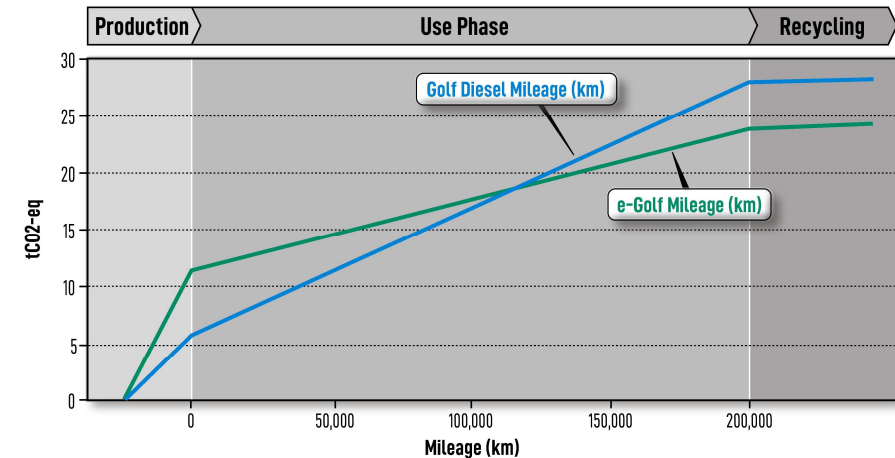


⚡ Electric car



🛢 Internal combustion engine car

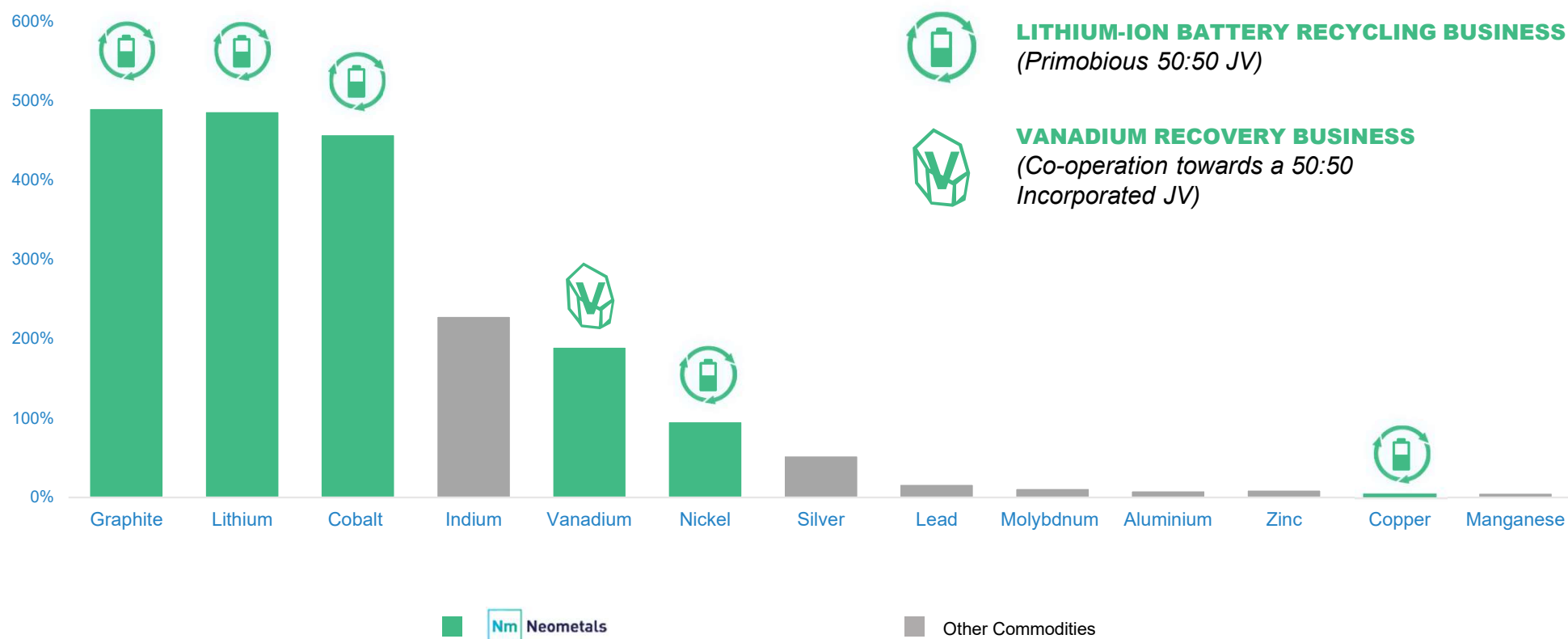
EV'S TAKE +5 YRS TO REACH CARBON PARITY



Source: Volkswagen Group

SUSTAINABLE RECOVERY PROJECTS PROVIDE UNPARALLELED EXPOSURE TO NEW ENERGY MEGATREND COMMODITIES

2050 ANNUAL TECHNOLOGY MINERAL DEMAND AS PERCENTAGE OF 2018 PRODUCTION
 – 5 OF TOP 6 REPRESENTED



Source: World Bank Group



DOWNSTREAM – MATERIALS PROCESSING

Li-ion Battery Recycling Process

100% Neometals (SMS group earning 50%)

Primobius GmbH – Commercialisation

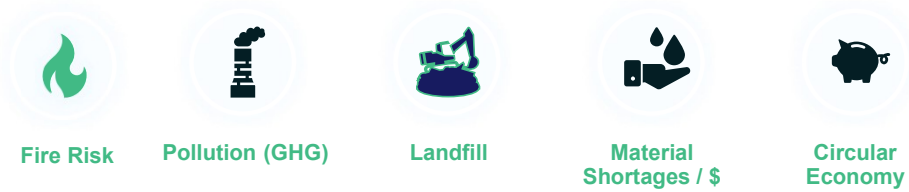
Incorporated 50:50 JV with SMS group

Primobius

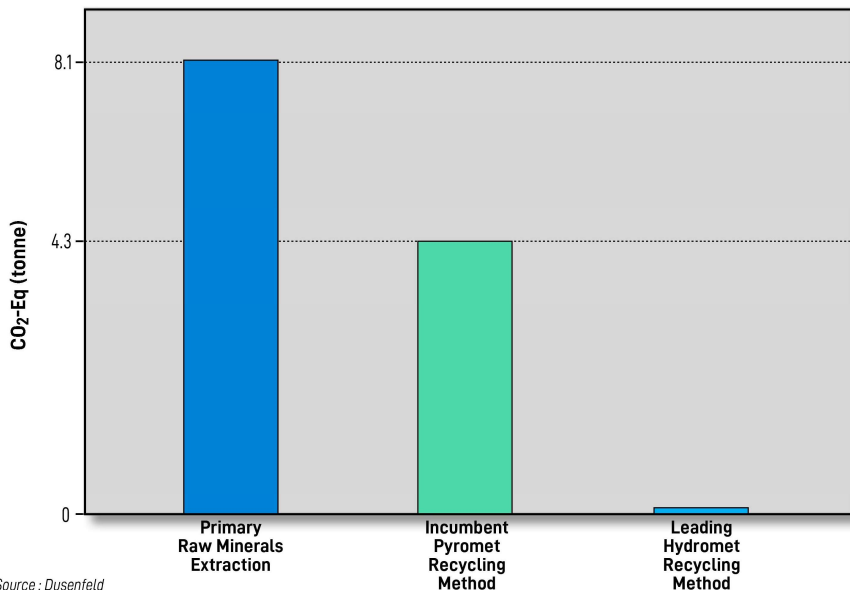
Battery recycling without limits

ISSUE

RECYCLING NOT OPTIONAL, NEEDED TO DECARBONISE SUPPLY CHAIN



Raw Material CO₂ Savings - Traditional Mining vs Battery Recycling



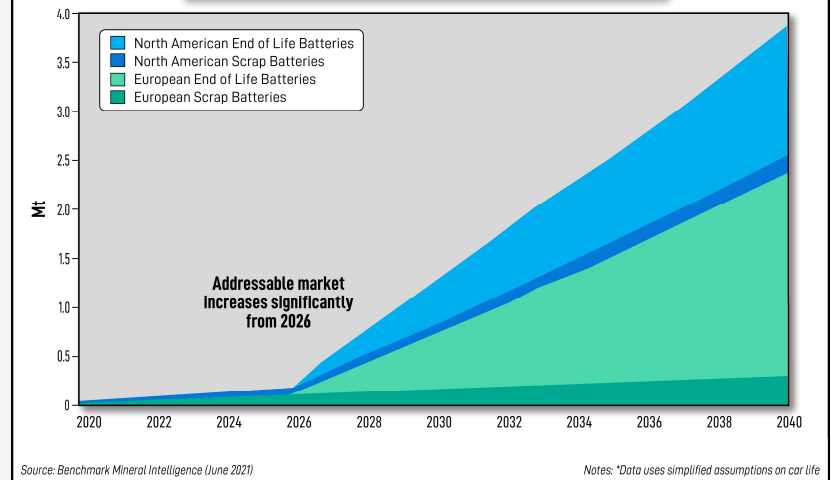
OPPORTUNITY



ENORMOUS TAILWINDS BEHIND LIB RECYCLING. HUGE TAM

- Solution to OEM's needing to meet regulations
- Strategic supply chain resilience
- Support to circular economy
- Compelling total addressable market ("TAM") & financial return

Total Addressable Market for Primobius (ex Asia) Battery Cells Available for Recycling (Mt)*



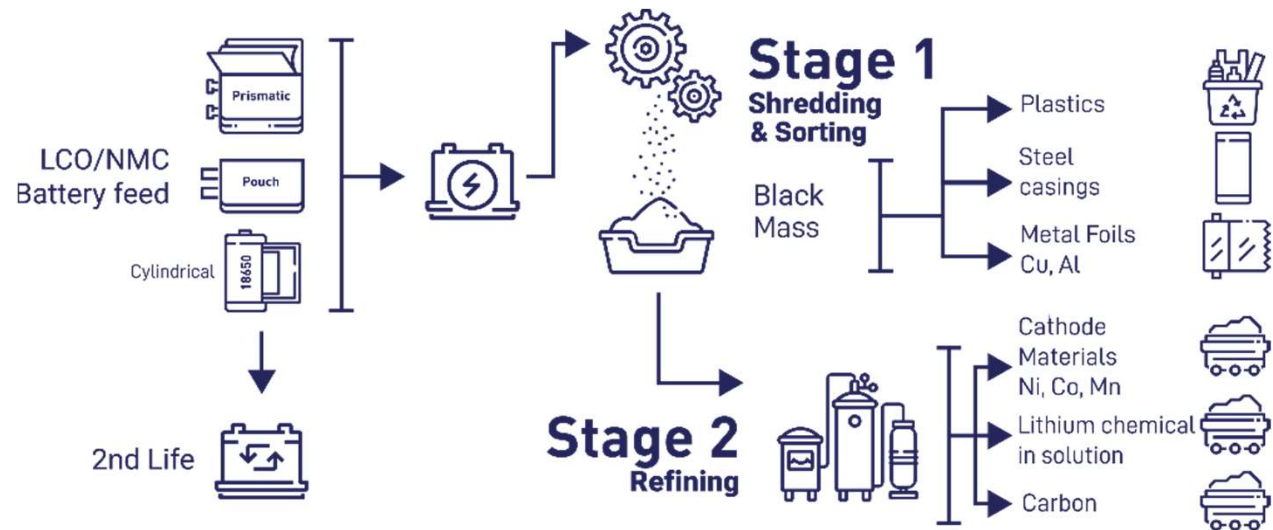
NEOMETALS SOLUTION



5 YEARS OF PROCESSING R&D BACKED BY GERMAN ENGINEERED PLANT BUILDERS. SAFE, ENVIRONMENTALLY-FRIENDLY PROCESS PRODUCING HIGH PURITY, LOW CARBON BATTERY MATERIALS



SMS group  Neometals  **Primobius**
Battery recycling without limits



BUSINESS MODEL

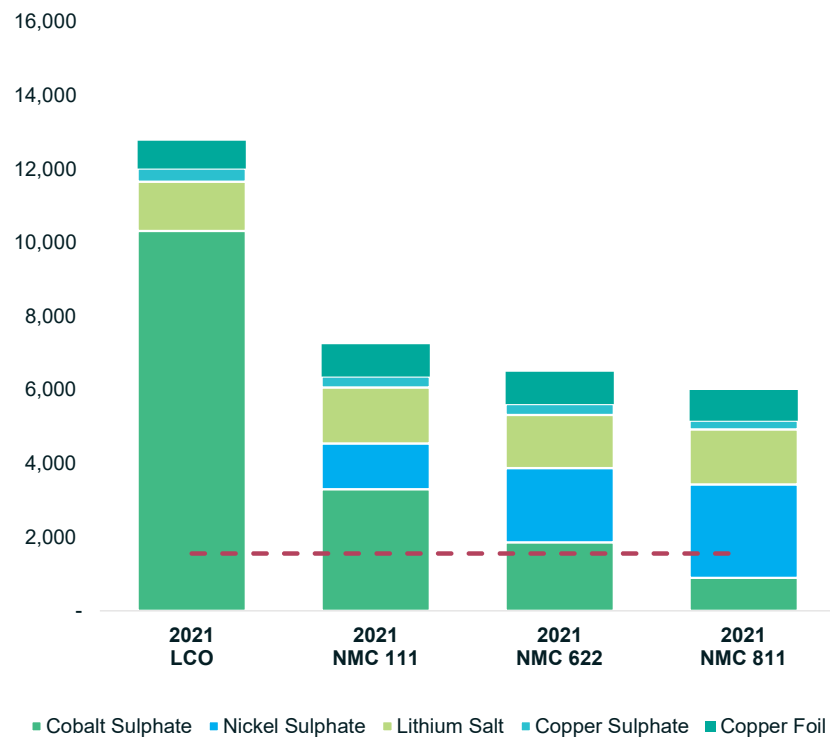


MULTIPLE REVENUE GENERATION OPPORTUNITIES VIA FLEXIBLE OPERATING MODEL

- Target industrial scale feed volumes direct from OEM's
- Primobius JV to enact global rollout
- Pipeline of commercial opportunities – including Stelco license and option in NA
- Primobius underpinned by large delivery partner (SMS) with ability to guarantee plant performance

Revenue by Recovered Elements in 1 Tonne of Batteries

Recoverable Revenue per Tonne of Batteries (US\$/t)⁽¹⁾



1  **Principal**

- Primobius to responsibly process production scrap or EOL batteries for a fee. Customer option to purchase all products under offtake agreement

2  **Partnership**

- Primobius to build and operate recycling plant(s) both share economic returns – JV etc. Partner option to purchase all products under offtake agreement

3  **License**

- License IP directly for royalty and potentially EPC recycling plant(s)

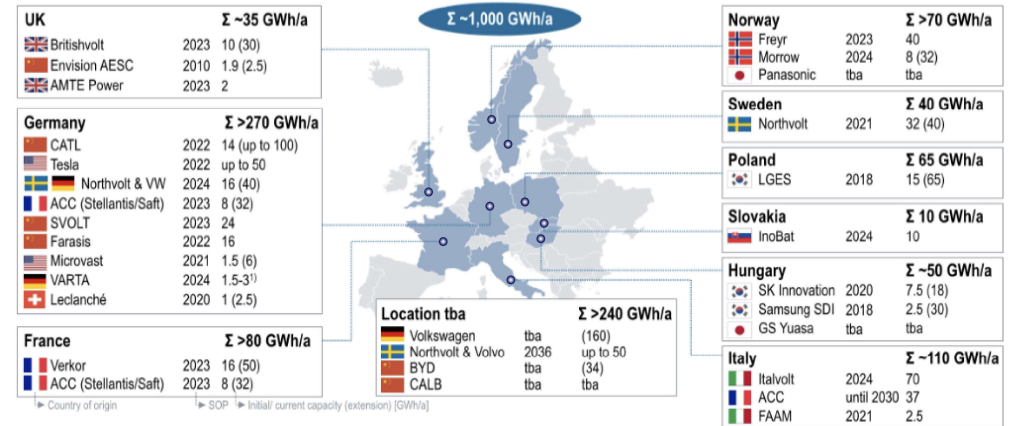
STATUS

PRIMOBIUS' DEVELOPMENT READINESS DOVETAILS WITH AN EXPLOSION OF ELECTRIC VEHICLE AND CELL MANUFACTURING PLANTS



Europe is the Fastest Growing Market in Battery Cells Production - Almost 1,000 GWh/a LiB Cell Production Capacity Already Announced Until 2030

Announced annual LiB cell production capacity until 2030 (GWh/a)
- By country, by companies



Source: Roland Berger, July 2021, from Press Releases, Company Announcements & Expert Interviews

1) Roland Berger estimate based on 100-200 in units of 21700 cells

STATUS



**FIRST SHREDDING COMMERCIAL OPERATIONS PENDING Q1 2022.
PIPELINE OF ADDITIONAL COMMERCIAL OPPORTUNITIES MATURING**

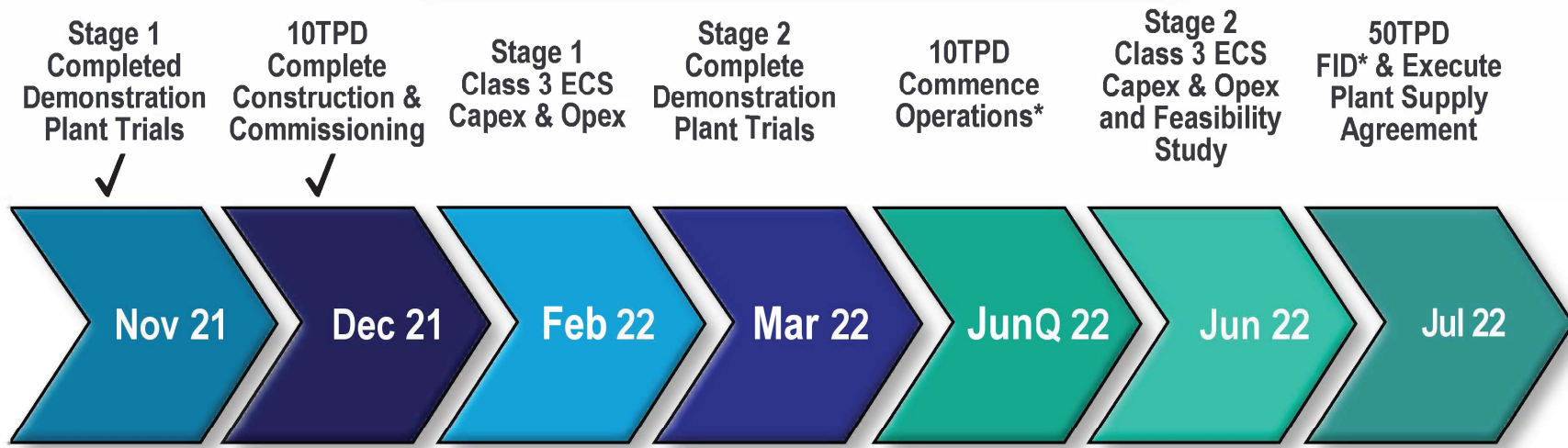
	Accelerated market entry underway	<i>Basis for Commercial Evaluations</i>		
	 10tpd Shredder	 50tpd Integrated	 50tpd Integrated	 Integrated
Plant Type	Shredding	Shredding	Shredding/Hydromet	Shredding
Product/s	Black Mass	BGMS ⁽¹⁾	Black Mass & BGMS	BGMS
Status	Commissioned awaiting Environmental permit	Demo Trial	Option & License	MoU
Location/s	Hilchenbach	Germany	North America	Japan
Business Model	Principal	Principal	JV	JV

1. BGMS = Battery Grade Metal Sulphates

NEXT STEPS



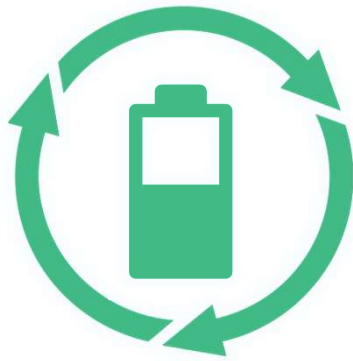
Indicative Project Timeline - LiB Recycling



Running Feedstock and Offtake Negotiations in parallel

** Subject to Board Approval and Primobius Board Approvals.*

INVESTMENT CASE



PRIMOBIUS LITHIUM-ION BATTERY RECYCLING BUSINESS

1

Auto OEMs and Batterymakers Require a LiB Recycling Solution

Global volume of 'end of life' LIBs available for recycling expected to grow at 18.8% per annum over the next ~10 years⁽¹⁾. Highlighted by Stelco whole of vehicle recycling business model.

2

Environmentally Friendly Process Differentiated from Incumbent Technology

Hydromet process has a negligible CO₂ emission footprint compared to primary minerals extraction or the incumbent pyromet recycling process for Li-B batteries

3

Flexible and Robust LiB Recycling Technology

Multiple battery chemistries, formats and types can be processed without cell discharging with lower emissions and less transport required than incumbents

4

Attractive Economics and Exposure to Battery Metal Prices

High purity chemicals not intermediates for ethical re-supply to the cathode producer supply chains with better recovery, lower emissions and less transport than incumbents

5

SMS Partnership and Flexible Business Plan Accelerates the Roll-out

SMS operational and manufacturing capability applied to a flexible business model provides a material speed to market advantage

1. Source: Circular Energy Storage 'The Lithium Battery Life-cycle Report 2021'

COMPANY HIGHLIGHTS

NEOMETALS IS AN ATTRACTIVE INVESTMENT



Innovative processing technologies for sustainable advanced materials



Clear strategy to commercialise with proven partnering business model



Growing portfolio of ESG-aligned battery materials projects with near-term FID's



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



Strong balance sheet to fund developments

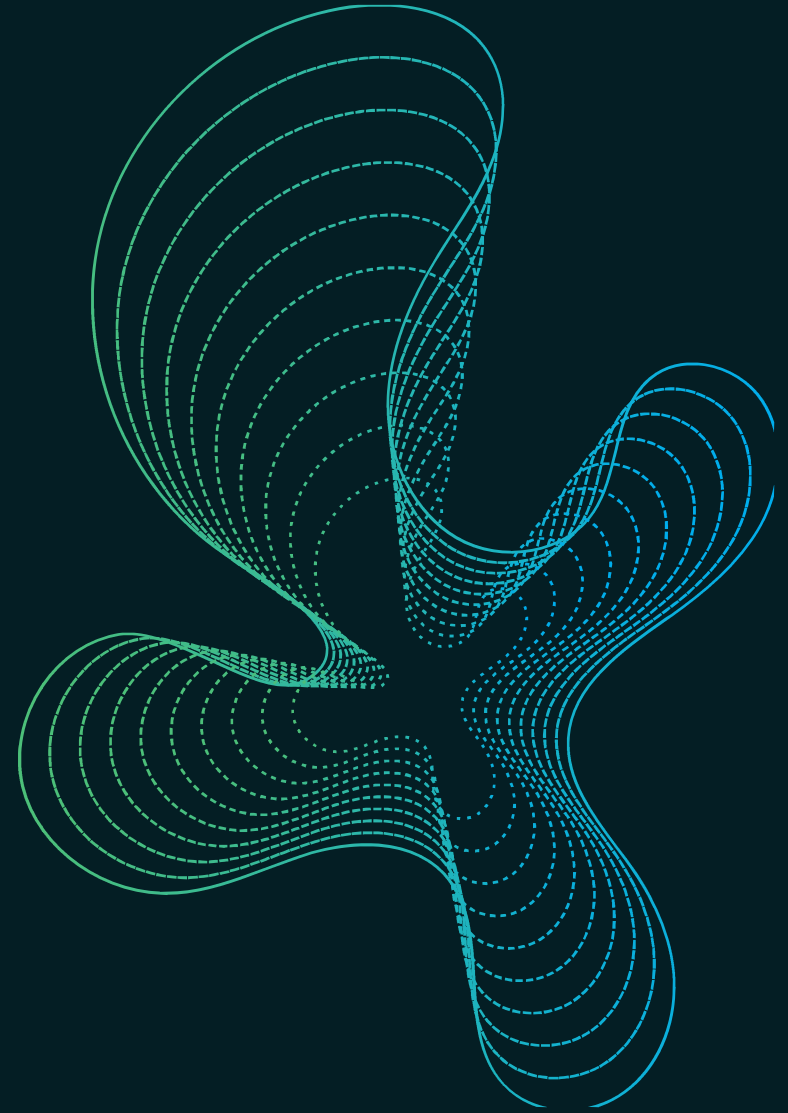


Strong organic growth potential from our pipeline of opportunities to deploy our technology around the globe as principal, partner or licensee



Neometals

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Thank you.