Iondrive Limited | ABN 30 107 424 519

Updated Corporate Presentation

londrive Limited (ASX: ION) ("Iondrive" or "the Company") is pleased to provide the attached updated corporate presentation.

Authorised for release by the Board of Iondrive Limited.

Further Information

Ebbe Dommisse CEO 08 8368 8888 info@iondrive.com.au Aiden Bradley
Investor and Media Relations
+61 (0) 414 348 666
aiden@nwrcommunications.com.au

About Iondrive

londrive is developing an innovative metal extraction process using Deep Eutectic Solvent technology (DES). Its initial business case is focussed on battery recycling where the proprietary method is designed to efficiently recover critical metals, including nickel, cobalt, lithium, and manganese, from black mass in a closed-loop, environmentally friendly process. Unlike conventional hydrometallurgical and pyrometallurgical approaches, londrive's DES technology operates at lower temperatures, eliminates the need for aggressive acids, and offers a tuneable chemistry that can selectively extract individual metals. Whilst progressing the battery recycling application for its DES technology, londrive is actively seeking to expand the commercialisation opportunities into other markets, including mineral processing and Urban mining of e-waste.



Urban Mining: Securing Supply Chains for Critical Minerals

Investor Update

September 2025

INVESTMENT HIGHLIGHTS



Urban Mining: A New Standard for Critical Mineral Recovery





Modular and tuneable for multiple recovery applications



Strategic Partners: Colt Recycling, Livium, PEM Aachen, TNO



cheaper.

IONDRIVE: THE

Road to Cash Flow

Targeting early e-waste revenues (0–2 yrs) de-risk scale-up.

Three Horizons

H1 (0–2 yrs): REE extraction, modular deployment

H2 (2–5 yrs): Ni/Co separation, modular deployment

H3 (5+ yrs): critical minerals, copper, black mass







Multi-billion \$ opportunities in batteries, e-waste & mineral processing.

\$

ASX peers are trading 5–10x valuations at similar milestones



Proven leadership with track record of scaling & value creation



SYSTEMIC PROCESSING GAPS ACROSS SUPPLY CHAINS



Global Processing Gaps Across E-waste, Batteries, and Mining Are Driving a Critical Raw Materials Deficit

Example: e-waste Generation vs Collection (2022)



Critical minerals

Annual average formal collection and recycling

Critical minerals leave the country

Western nations rely on energy-intensive smelters abroad, losing control of strategic resources.

Undercapacity in the West

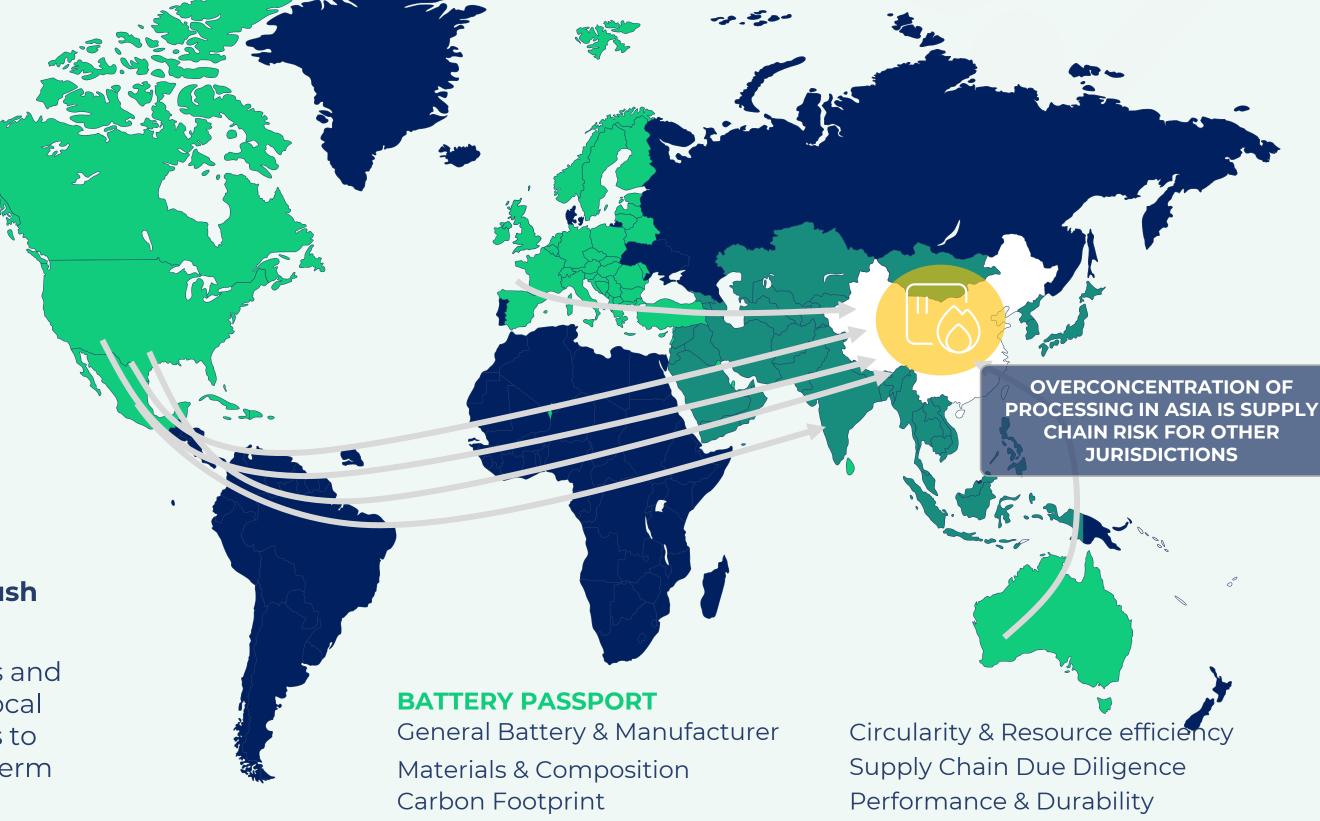
Minimal refining infrastructure outside China → near-total dependence on imports.

Outdated processing

High cost, high waste, low recovery, carbonheavy, and not designed for recycling.

Sovereign push rising

Governments and OEMs want local supply chains to secure long-term capability.





Closing the Critical Minerals Gap

\$150B+ TAM by 2030 across battery recycling, e-waste, and mining feedstocks

E-WASTE

Market ~US\$91B CAGR: 3.6%



BATTERY RECYCLING

Market~US\$13.9B CAGR ~17–19%



MIXED HYDROXIDE PRECIPITATE (from mining)

Sulphate Market (Nickel + Cobalt):

~US\$12B I CAGR: 12%



Conventional processes are slow, carbon-heavy and high-capex — leaving a deficit in critical raw materials



Minimal Viable Product (MVP) Path: eWaste & MHP



- Faster to market with lower capital requirements.
- Strong customer integration and early sales potential.
- We're building lean, fit-for-purpose
 MVPs to address urgent needs in large, accessible markets.



Technology Readiness Level (TRL) Path: Battery Recycling



- But the market is still forming —
 and needs certified, scalable solutions.
- We're going deeper on tech validation (TRL 6/7) to ensure investor confidence and position for global scale.



Why it Matters

We're matching our approach to each market:

MVP for speed and traction where the market is ready

TAILORED CHEMISTRY THAT SELECTIVELY EXTRACTS METALS

A Cleaner, Faster, More Flexible Solution to Meet Demand

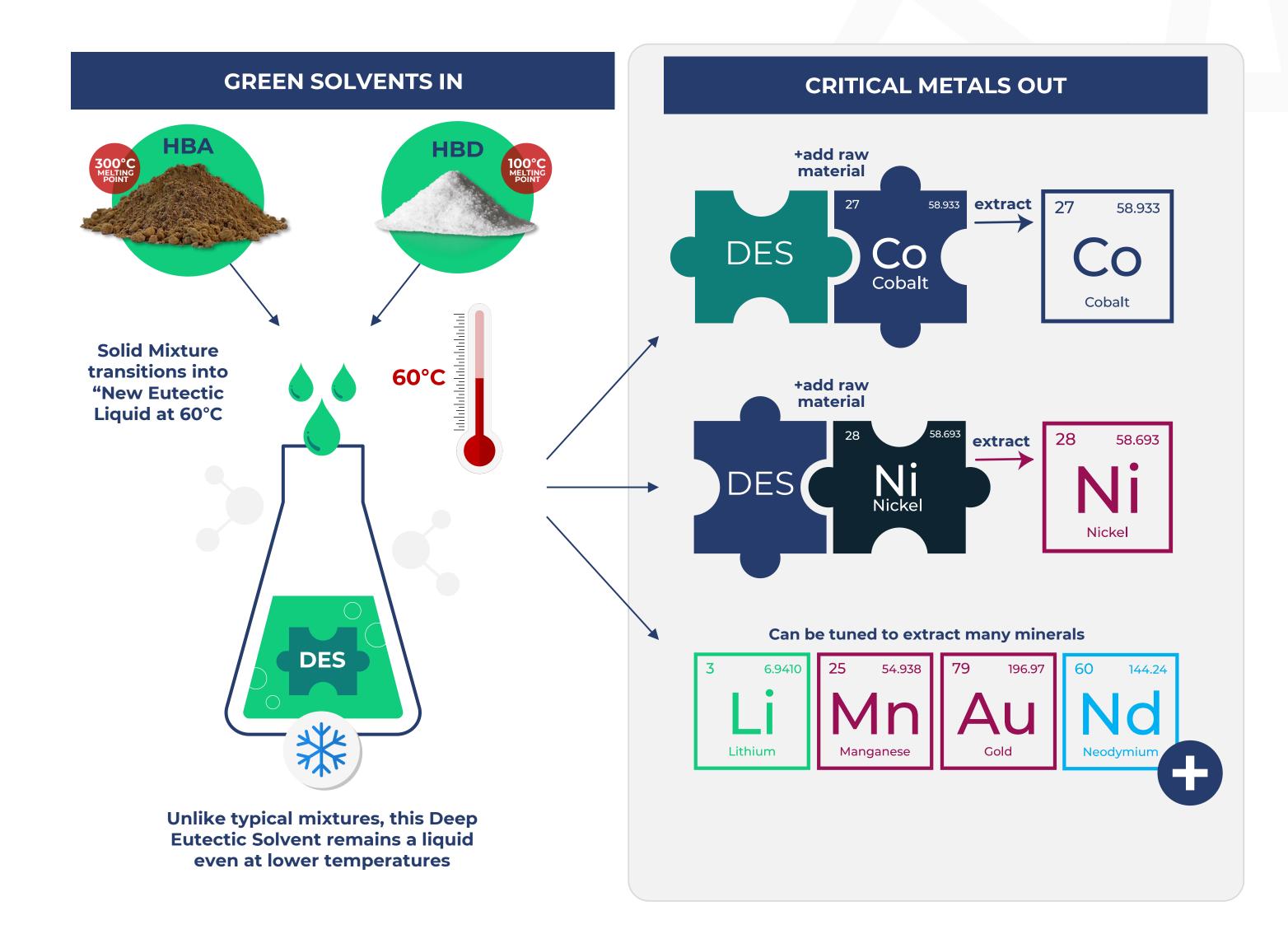
What DES Delivers:

- Recyclable green solvents for e-waste, batteries & mining feedstocks
- Low toxicity, biodegradable, reusable
- Tailored chemistry selectively extracts target metals
- Re-usable unlike acids more recovery, less waste

How it Works:

- Dissolve metals via complex hydrogen bonding interactions
- Tailored chemistry enables selective extraction of specific metals, depending on the chosen HBD/HBA pair



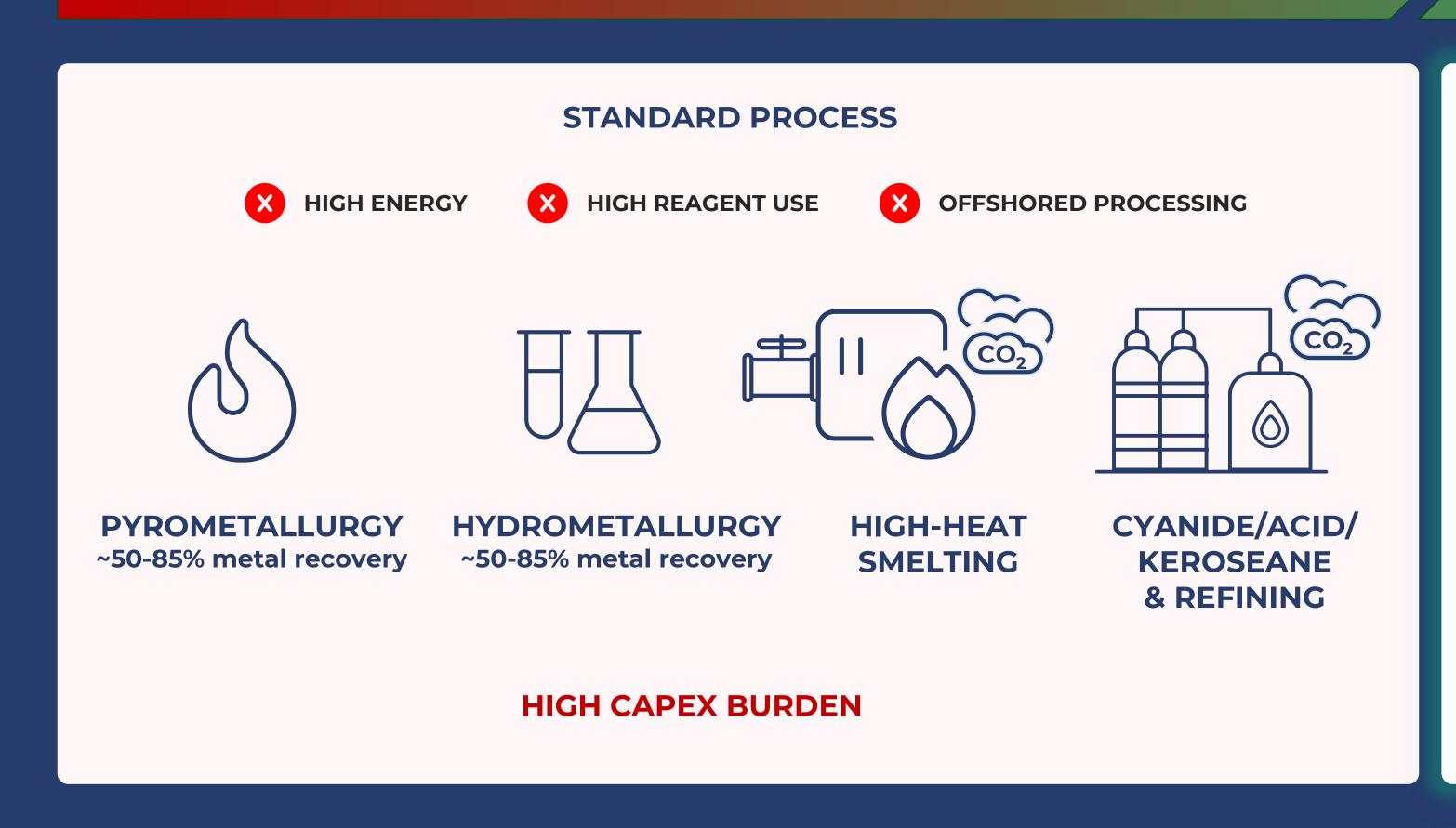


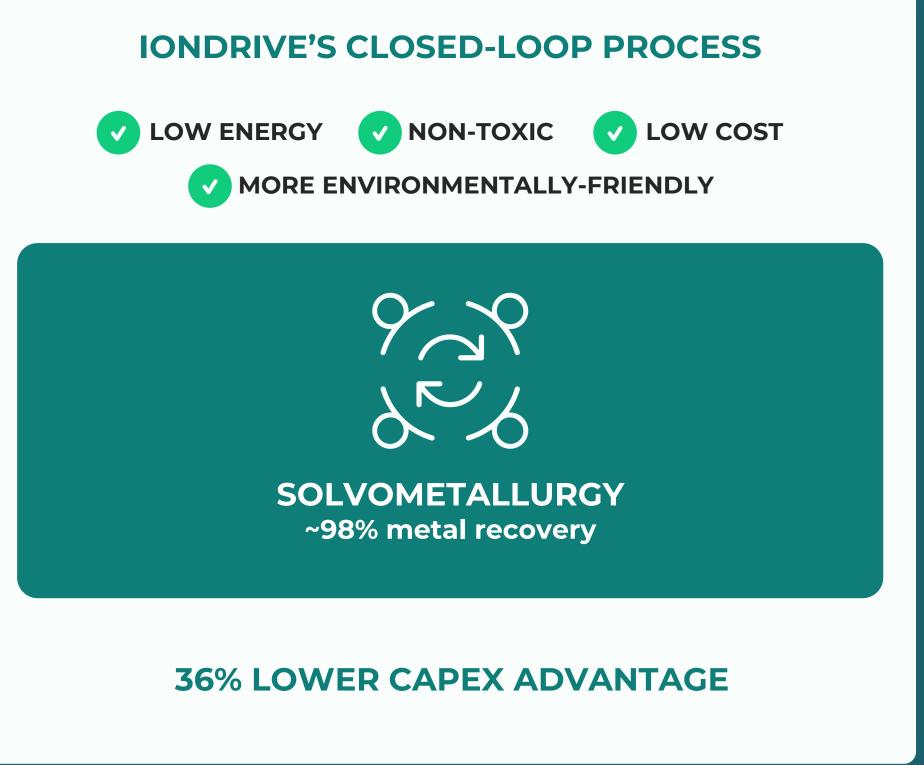


Replacing Smelting and Single-Use Acids with a Recyclable, Closed-Loop DES Process

FROM HIGH-COST RISK

LOW-COST HIGH RECOVERY

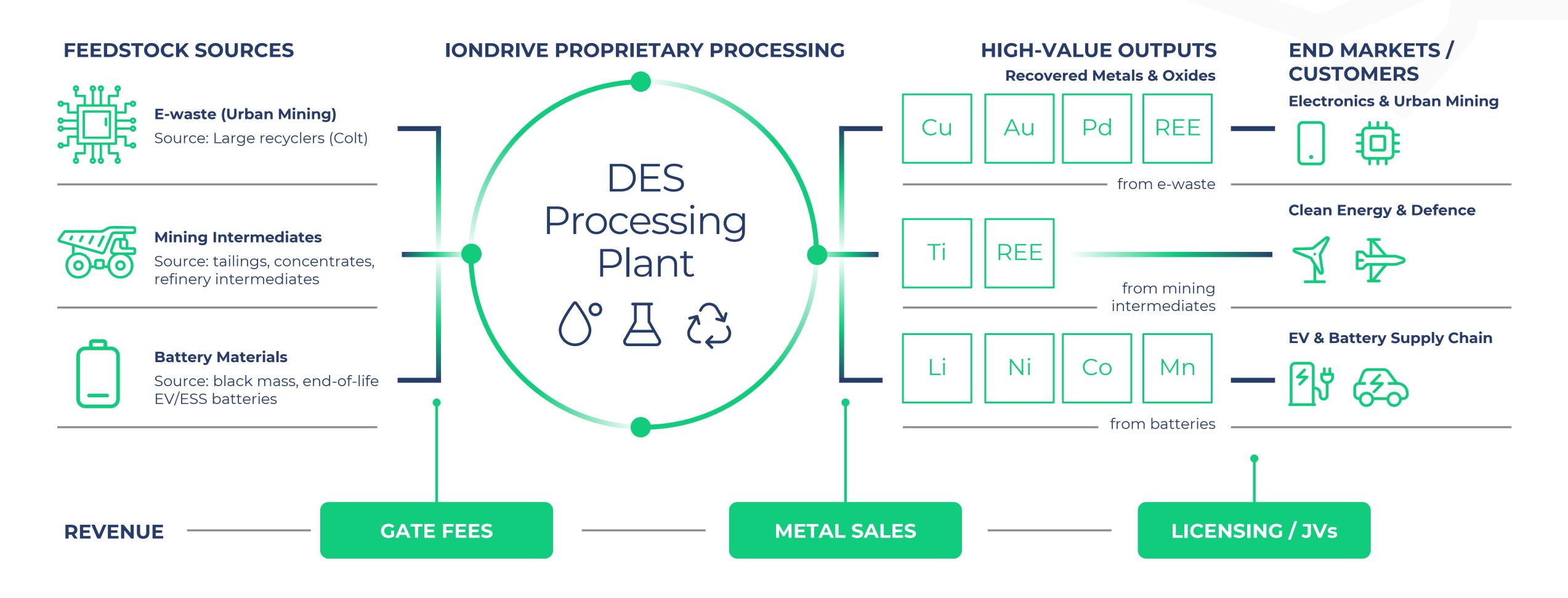




ONE TECHNOLOGY - MANY OPPORTUNITES



Iondrive Revenue Pathways

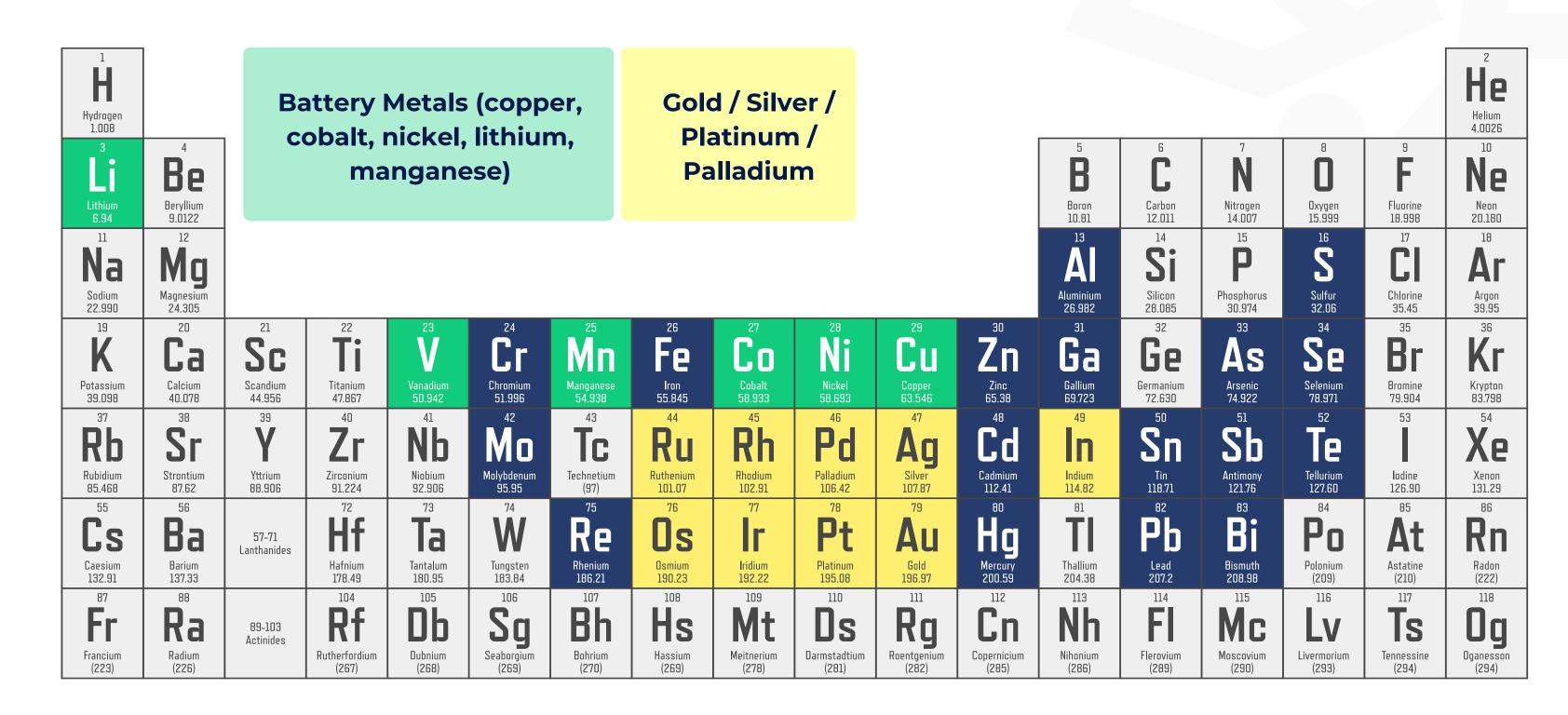


PROCESS ADVANTAGE



Extracting Value from Complex Ores, Tailings, and Waste

- DES enables selective, efficient recovery even at low grades
- Potential to unlock value from complex ores, tailings & waste streams that conventional methods avoid
- Targets metals critical to batteries, electronics, and renewables
- Supports supply security in both circular and virgin economies
 - Battery / Critical Metals
- Precious Metals
- Other Metals
- Yet to be Evaluated



Strategic Rare
Earth Elements
in High Demand

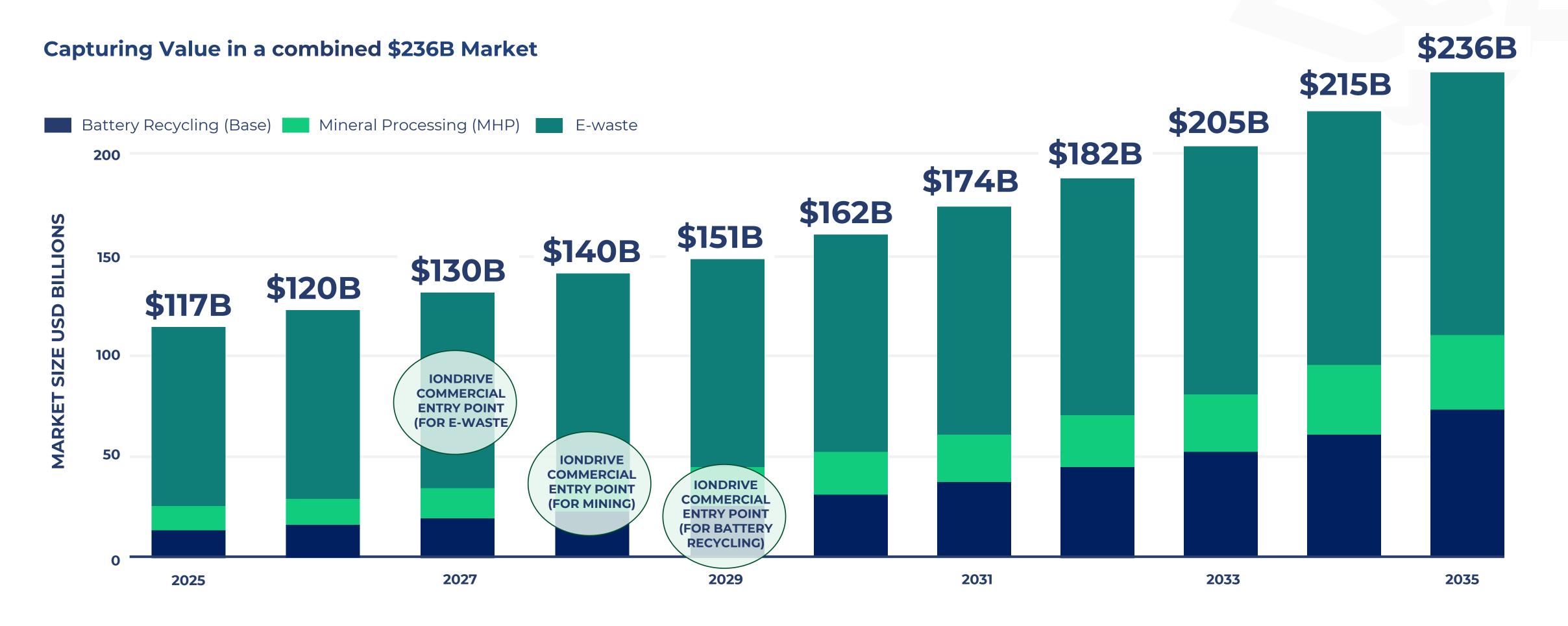
La 57	C _e	59 P	Nd	Pm	Sm	63 E L		Th		Ho Ho	Er 68	Tm	Yh	71 L 11
Lanthanum 138.91	Cerium 140.12	Praseodymium 140.91	Neodymium 144.24	Promethium (145)	Samarium 150.36	Europium 151.96	Gadolinium 157.25	Terbium 158.93	Dysprosium 162.50	Holmium 164.93	Erbium 167.26	Thulium 168.93	Ytterbium 173.05	Lutetium 174.97
89	90	91	92	93	94	95	96	97	98	99	100	101	102	103
Ac	Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No	Lr
Actinium (227)	Thorium 232.04	Protactinium 231.04	Uranium 238.03	Neptunium (237)	Plutonium (244)	Americium (243)	Curium (247)	Berkelium (247)	Californium (251)	Einsteinium (252)	Fermium (257)	Mendelevium (258)	Nobelium (259)	Lawrencium (266)

Disclaimer: Metals shown are reported DES application areas in public studies; ongoing validation either underway or planned by londrive

COMMERCIALISATION PATHWAYS



Commercialisation Tracks with Soaring Metal Demand



NEAR-TERM FOCUS



Execution Track Record, Value Still Ahead

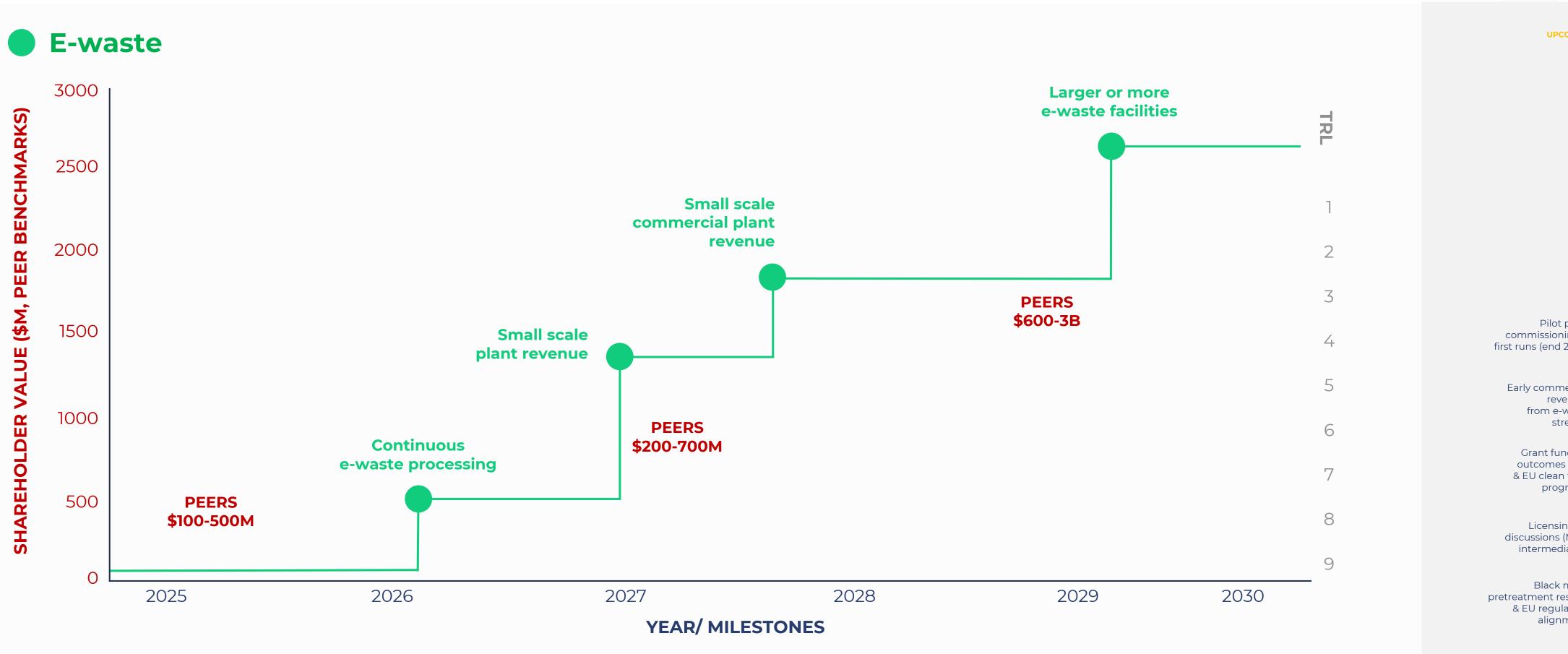
Delivering upcoming catalysts that build momentum into the Three Horizons of value creation.

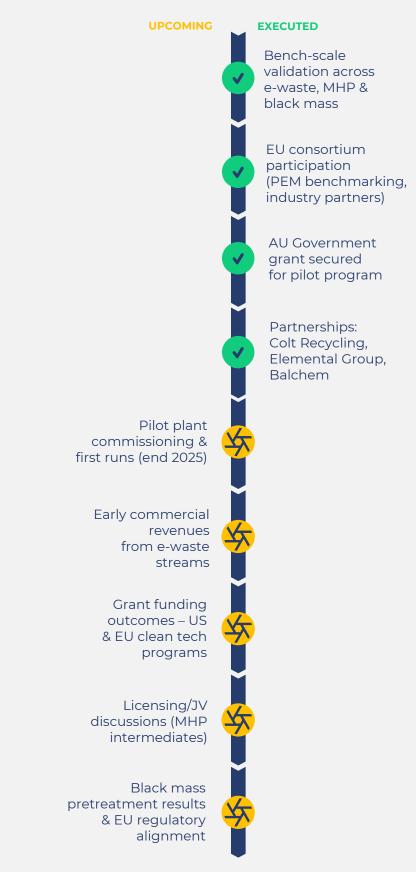


"Our ambition is to deliver value across all three horizons — creating early revenue, scaling into intermediates, and leading in global recycling — while compounding shareholder returns over time."



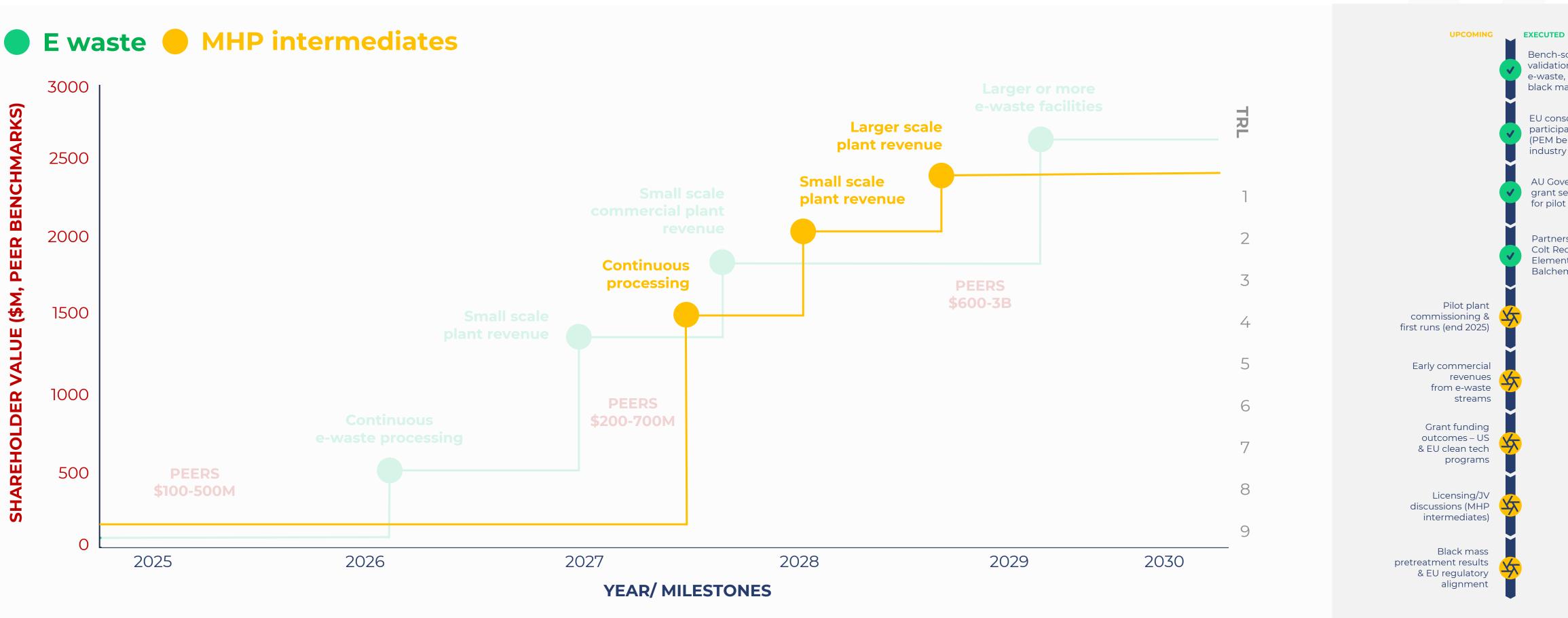
Building Value Across Three Horizons





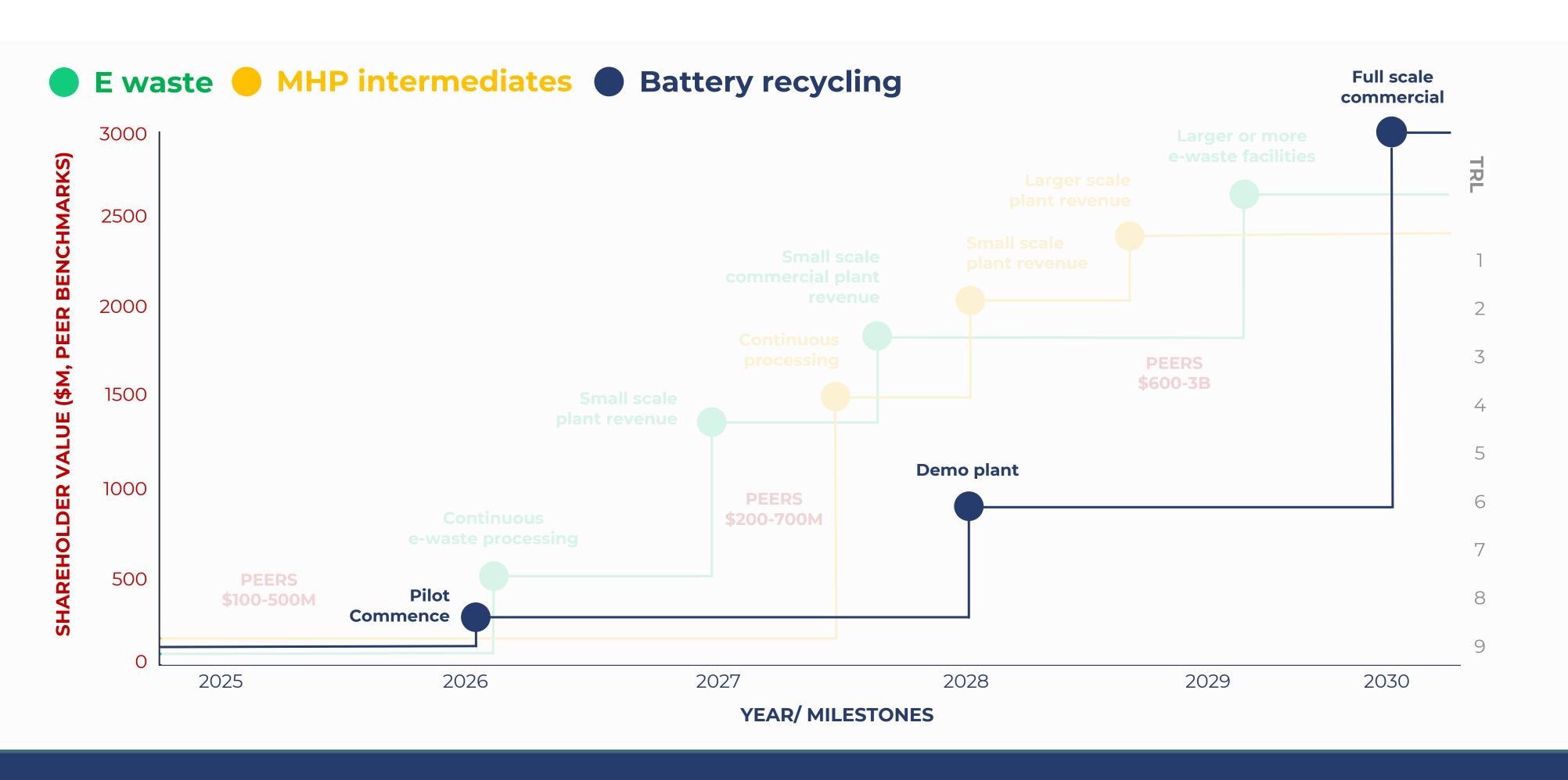


Building Value Across Three Horizons





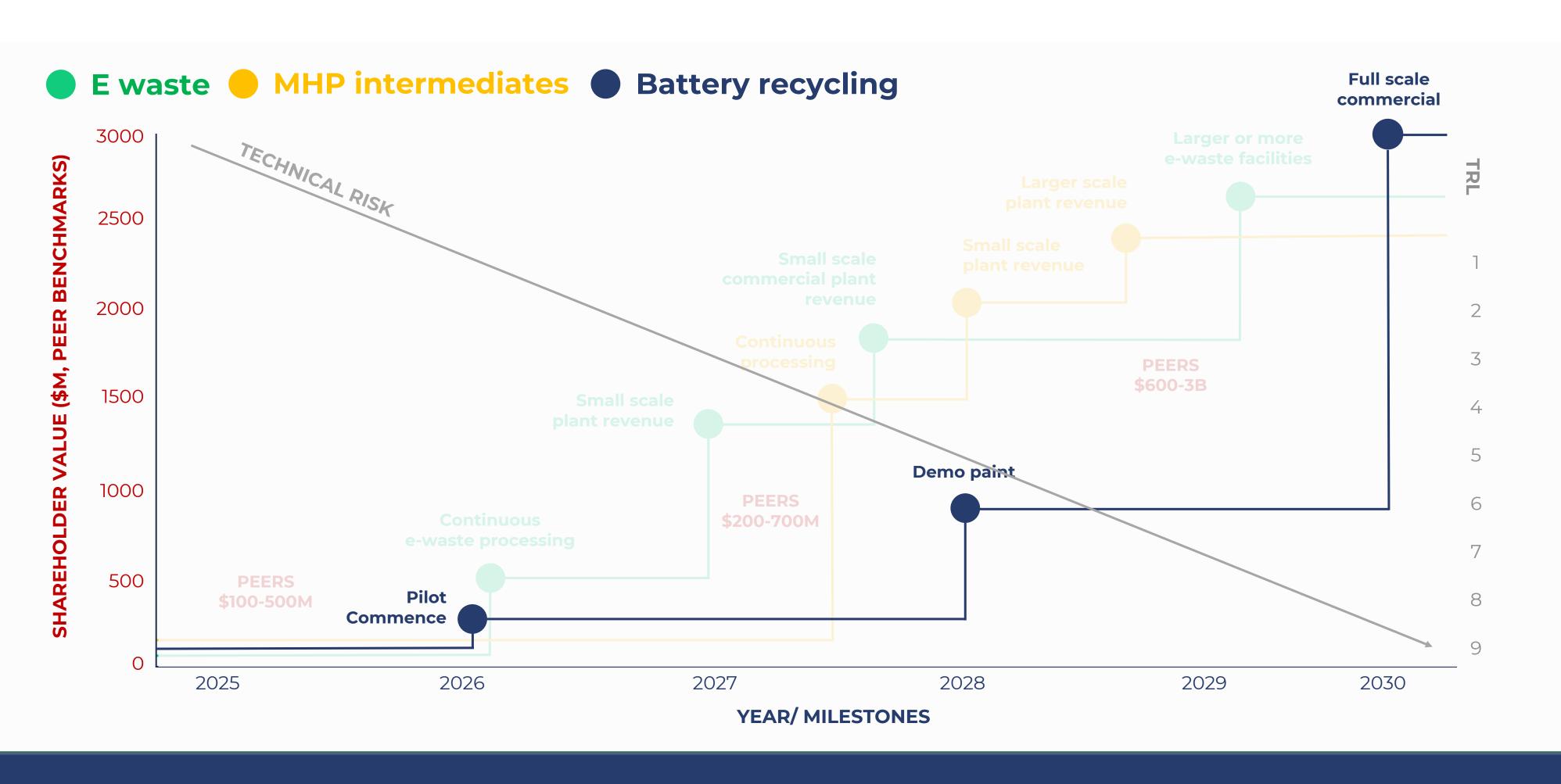
Building Value Across Three Horizons

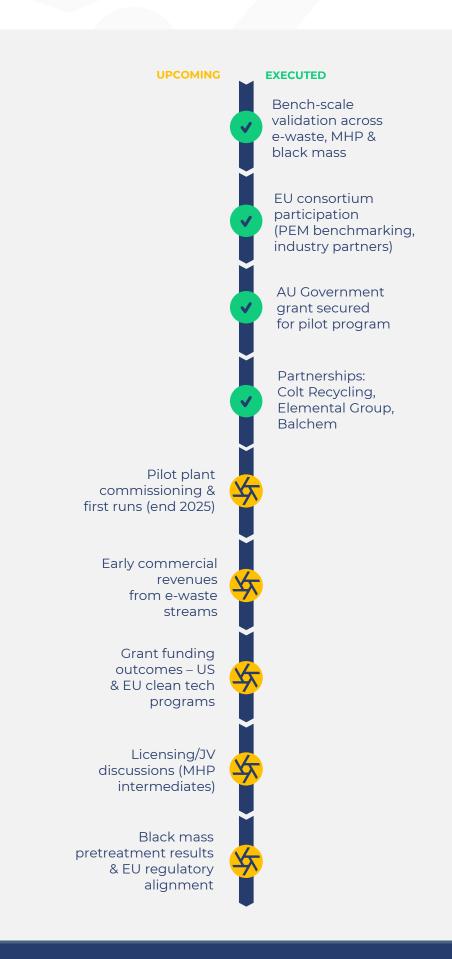






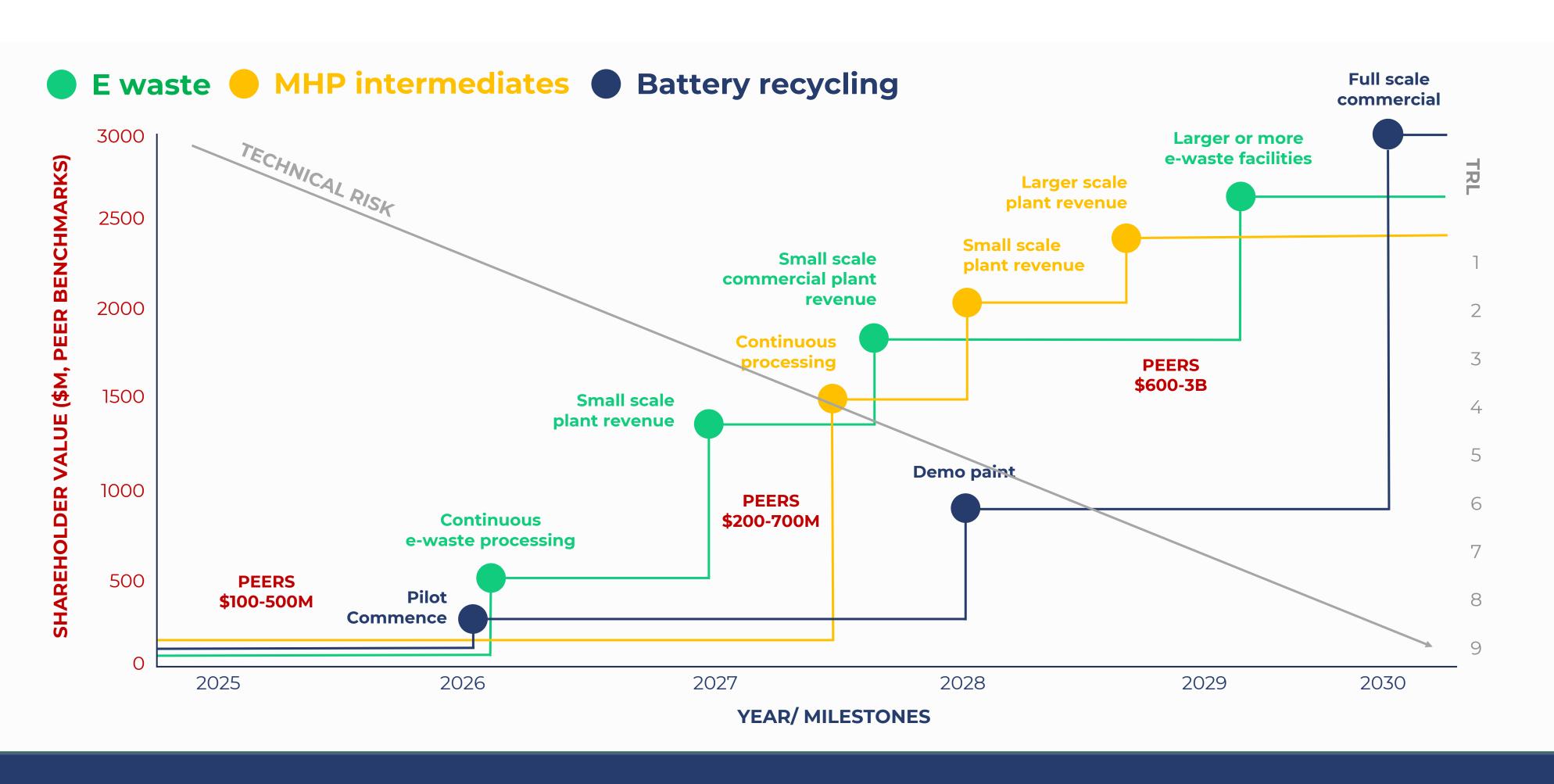
Building Value Across Three Horizons

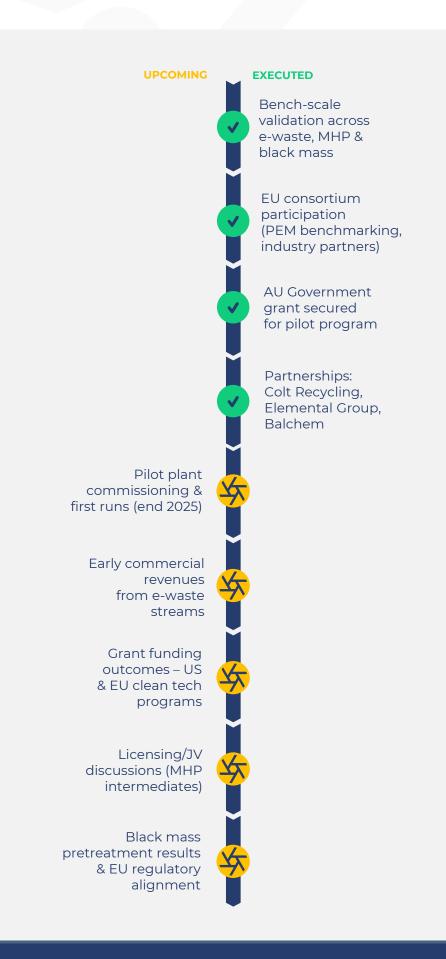






Building Value Across Three Horizons





IONDRIVE TEAM

Solution Iondrive Global Experience in Mining, Technology, and Commercialisation



Michael McNeilly Chair - BA Econ

Chief Executive Officer of Strata Investments Holdings Plc. (Substantial shareholder of ION).

Extensive experience in listed companies and is currently NED of ASX-listed Cobre Limited.

Sits on several private company Boards within the Strata Investments Tiger Group.

Past Board appointments include MOD Resources Limited (up to acquisition by Sandfire in November 2019), Metal Capital Limited, Greatland Gold Plc and Connemara Mining Plc.



Dr Jack Hamilton NED - PhD (Chem Eng)

Highly accomplished senior executive and board director

Significant leadership roles incl. Director of NorthWest Shelf Ventures for Woodside, overseeing Australia's largest resource project.

NED roles include commercialisation of start-ups notably Calix Ltd and Anteo Diagnostix Ltd



Andrew Sissian NED - CPA, Macc, Bcom (Finance)

Chief Executive Officer of Strata Investments Holdings Plc. (Substantial shareholder of ION).

Extensive experience in listed companies and is currently NED of ASX-listed Cobre Limited.

Sits on several private company Boards within the Strata Investments Tiger Group.

Past Board appointments include MOD Resources Limited (up to acquisition by Sandfire in November 2019), Metal Capital Limited, Greatland Gold Plc and Connemara Mining Plc.



Adam Slater NED - BA

Three decades of invaluable experience in the commodities industry.

Led the development of the commodity division at CWT Limited, a company listed on the SGX, from 2007 to 2018. Pivotal to the growth in the CWT commodities division, which accounted for over 80% of Group revenues (S\$12 Billion out of S\$14 Billion) and in excess of 50% of the Group's profits.

Current primary focus towards venture capital, contributing his expertise to multiple company boards and advisory committees.



Hugo Schumann NED - CFA, MBA (INSEAD), SEP (Stanford)

Current CEO – USA, Elemental Holding – Leading the U.S. arm of a global metals recycling and refining leader.

Current Founder & CEO – EverMetal – Leading the world's first dedicated PE backed investment platform for critical metals recycling.

Former CEO – Silver, Hindustan Zinc – Led one of the world's largest silver producing businesses.

Former CFO – Jetti Resources – Scaled copper extraction technology to commercial deployment backed BHP and Freeport



Dr Ebbe Dommisse CEO - B.Eng (Chem) MSc PhD MBA GAICD

Seasoned professional with over 25 years of commercialising technologies, execution, and manufacturing.

Previously served as the COO at Circa Group, an Australian startup that commercialised a biochemical process from lab-scale to commercial scale.

Prior, as GM of Pact Group, an ASX-listed manufacturer, responsible for establishing a world-class plant in Indonesia.



Ray Ridge **CFO & Company Secretary** BA(Acc), CA, GIA(cert)

A senior financial and commercial professional with over 30 years experience across a diverse range of industries.

CFO and capital markets experience with four other ASX listed companies, with two in technology commercialization.

Previous roles include National GM Commercial in a large global engineering firm (now WSP Global) and CFO of the agricultural products division of Elders Limited.



Lewis Utting Commercial Director BAppSc, GAICD

Former Managing Director and CEO of ASX listed SciDev Ltd, driving rapid growth and shareholder returns.

Previously BASF Global Business Development and R&D manager for Mining

20 years experience in business management servicing chemical, mining, water treatment, and oil & gas industries.

Expertise in technology commercialization, capital markets, and strategic partnerships



Positioned for Scale & Potential Value Uplift



One Platform, Many Verticals

A modular DES platform adaptable to multiple recovery pathways, potential to create value across three horizons: early ewaste revenues, battery intermediates, and longer-term critical minerals/black mass



Proven High-Recovery Technology

Iondrive's DES chemistry achieves extremely high recovery rates (~98%) for critical minerals such as Li, Ni, Co and Mn — a step-change over conventional smelting or acid processes



Large & Growing Addressable Markets

Multi-billion-dollar opportunities across three verticals — e-waste, EV battery recycling and mineral processing — with supply deficits and regulatory pressure creating urgent demand



Early Cashflow Pathway

Near-term revenue potential (0–2 years) from e-waste recovery de-risks the business model and supports scaling into higher-value verticals



Validated Economics & Scalability

Independent benchmarking and engineering studies confirm strong commercial viability, with materially lower CAPEX/OPEX and industrial scalability



Strategic Partnerships & Valuation Re-Rating Potential

Backed by partners (Colt, Elemental, PEM/RWTH Aachen), with ASX and global peers re-rating 5–10x at similar milestones — highlights potential upside if londrive executes

IONDRIVE



Capital Structure

CORPORATE STRUCTURE

Ordinary Shares	1187.6m
Share Price (19 September 2025)	AUD\$0.046
Market capitalisation	AUD\$54.6m
Cash*	AUD\$5.9m*
Enterprise Value (EV)	~AUD\$48.7m

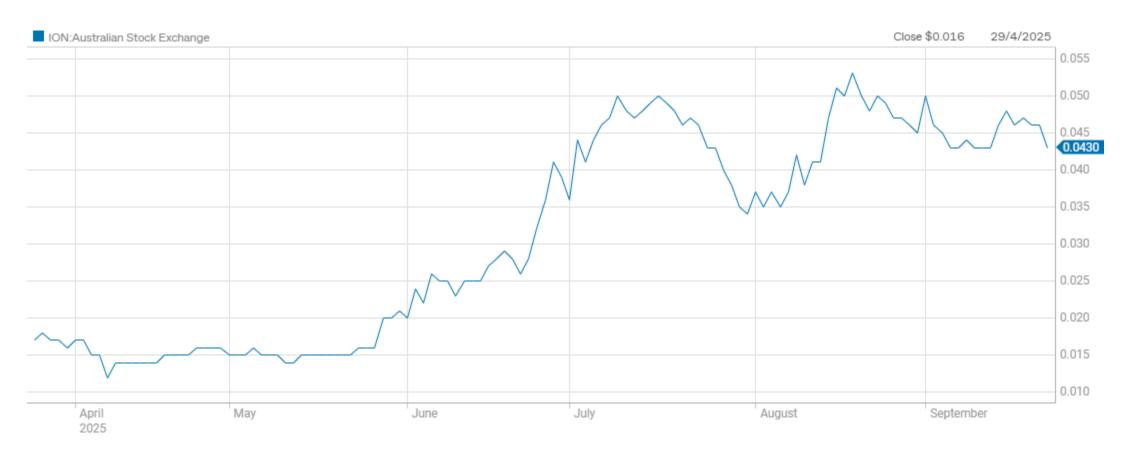
OPTIONS/PERFORMANCE RIGHTS

Various incl Directors, employees & consultants	85,780,000
Performance Options (Exec LTI)	30,625,000
Performance Rights (Exec LTI)	30,625,000

SUPPORTIVE STRATEGIC SHAREHOLDERS (>5%) - per most recent substantial holder notices

Regal Funds Management	~5.2%
Terra Capital	~8.0%
Strata Investment Holdings Plc	~12.2%
Ilwella Pty Ltd	~9.2%

ION SHARE PRICE GRAPH 6 MONTHS



As at 30 June 2025, being the most recent quarterly report lodged with the ASX.

IONDRIVE

Signature

Disclaimer

Forward looking statements

This document contains certain forward-looking statements that involve risks and uncertainties. Although we believe that the expectations reflected in the forward-looking statements are reasonable at this time, we can give no assurance that these expectations will prove to be correct. Given these uncertainties, readers are cautioned not to place undue reliance on any forward-looking statements. Actual results could differ materially from those anticipated in these forward-looking statements due to many important factors, risks and uncertainties including those risks detailed from time to time in the Company's announcements to the ASX including, without limitation, risks that the technologies are not commercially viable, provisional patents may not result in successfully granted national patents, others may independently develop similar or improved technologies or design around patents or patent applications, or that granted patents will provide meaningful protection or competitive advantages. All reasonable efforts have been made to provide accurate information, but the Company does not undertake any obligation to release publicly any revisions to any "forward-looking statement" to reflect events or circumstances after the date of this presentation, except as may be required under applicable laws. Recipients should make their own enquiries in relation to any investment decisions from a licensed investment advisor.

Deep Eutectic Solvent (DES) technologies, including the Iondrives platform, have not yet been demonstrated at full industrial scale. The metals and application areas shown in this presentation are based on feasibility studies conducted by third parties, including Iondrive in some cases, and should not be interpreted as proof of commercial outcomes.

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This Presentation is not a prospectus, product disclosure statement or other offering document under Australian law (and will not be lodged with ASIC) or any other law. This Presentation does not constitute an offer, invitation, solicitation or recommendation with respect to the purchase or sale of any shares nor does it constitute financial product or investment advice nor take into account your investment objectives, taxation situation, financial situation or needs.

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CONTACT US

Dr Ebbe Dommisse, CEO

info@iondrive.com.au

Lewis Utting, Commercial Director

info@iondrive.com.au

Ray Ridge, CFO & Co-Sec

info@iondrive.com.au

ASX: ION iondrive.com.au



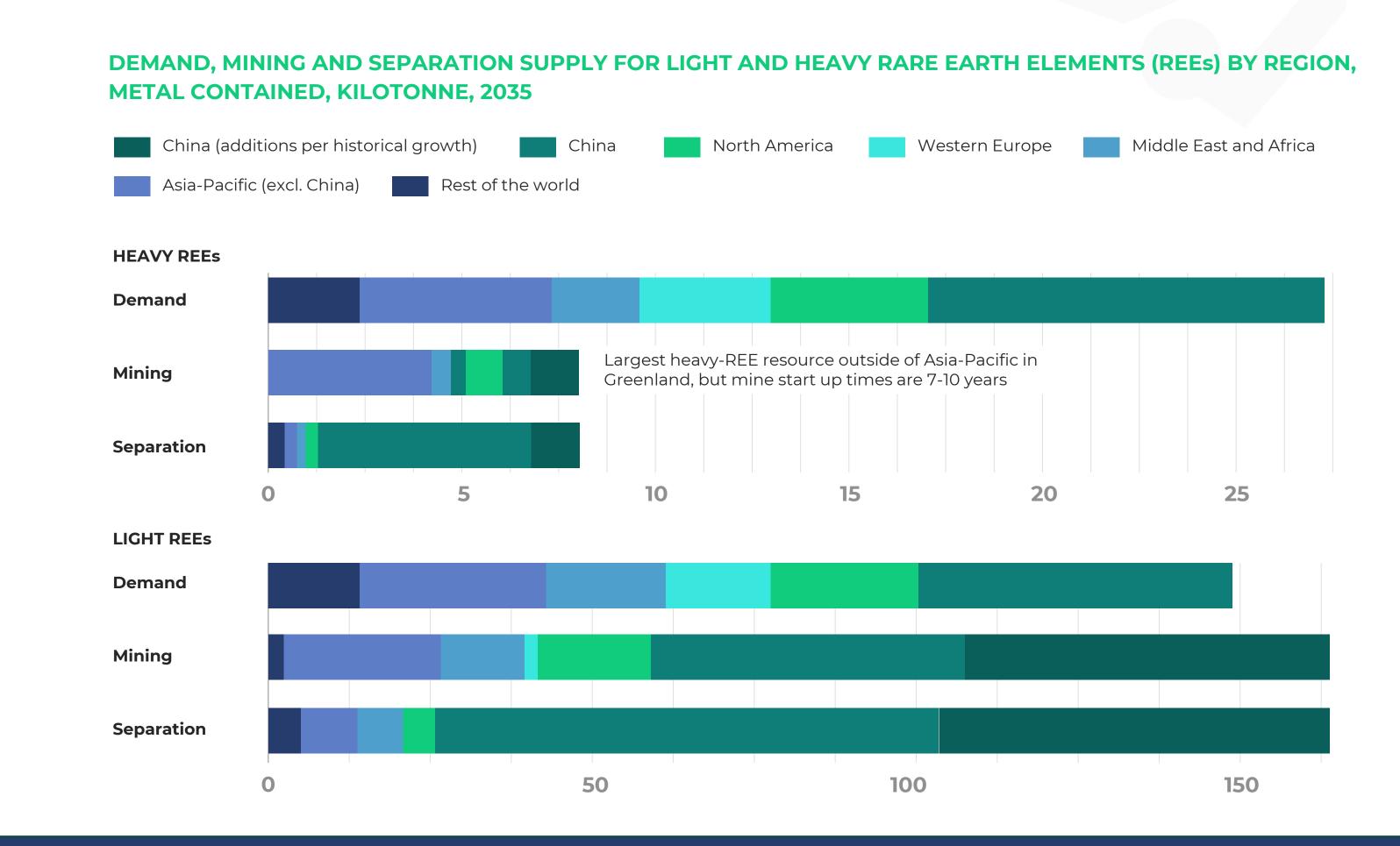
URBAN MINING OPPORTUNITY



Urban Mining with DES: Meeting Rare Earth Demand

- Global REE demand set to triple by 2035, driven by EVs, wind, and industry
- Heavy REE supply highly concentrated in China (>80% refined there)
- E-waste is an untapped domestic source of both light and heavy REEs
- Low recovery rates create an opportunity for scalable extraction with DES

"DES: Recovering REEs from e-waste to diversify supply and reduce offshore dependence"



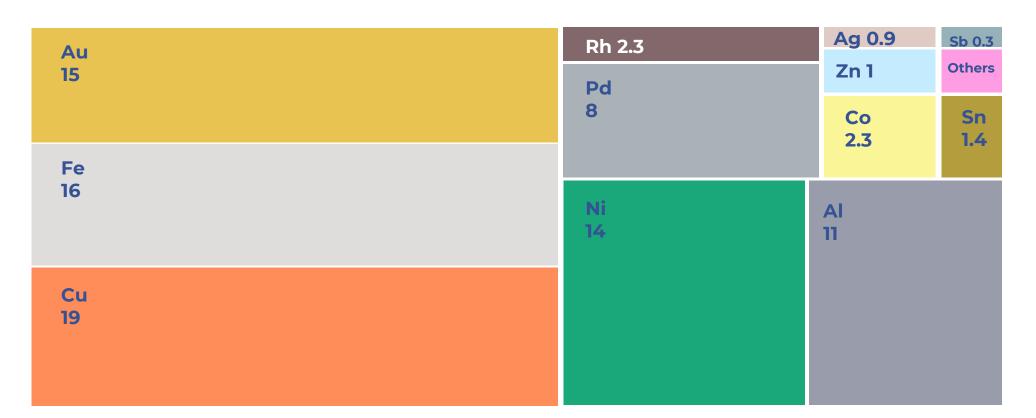
UNDER-RECYCLED & HIGH VALUE



DES: Unlocking the \$91B E-waste Metals Opportunity

Economic Value of Metals from E-waste

(Before Management) in USD billion (2022)



Metal composition of e-waste by mass



GLOBAL MARKET UPSIDE

"Only 22% of e-waste is formally recycled — leaving most metals lost to landfill and slag. Recovering these could strengthen domestic supply chains."



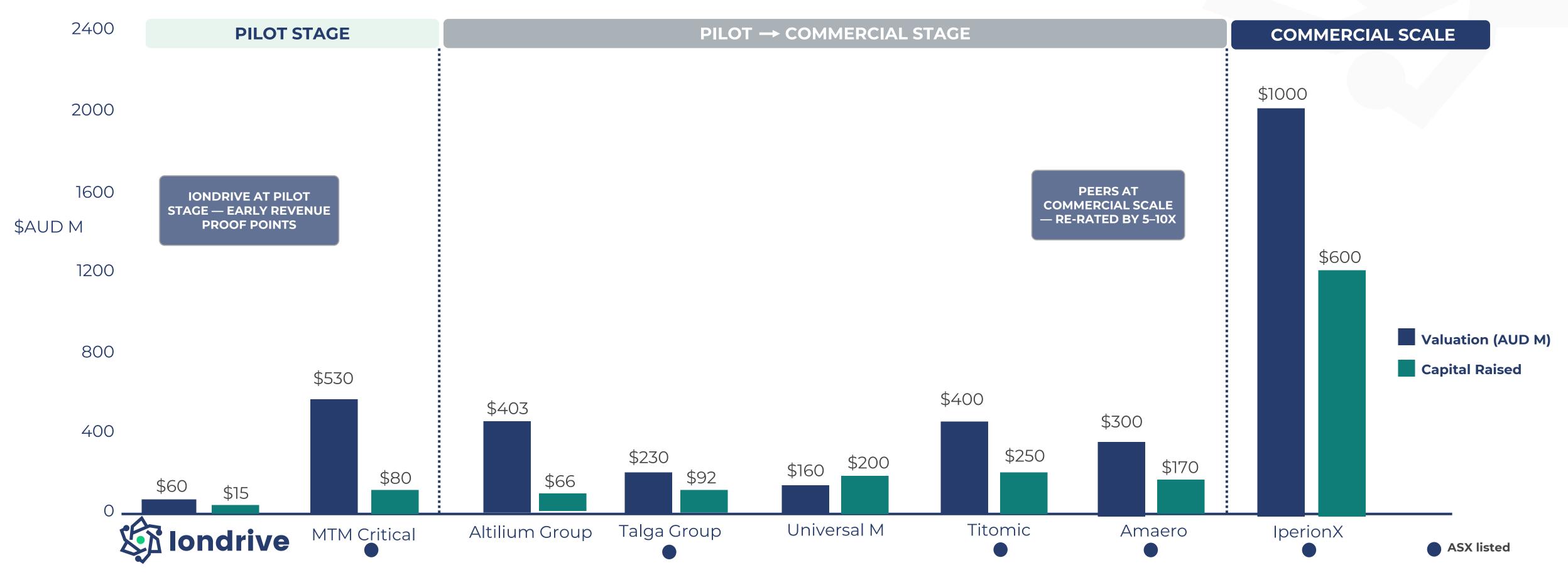
"Beyond gold: DES can recover REEs before they're lost* — with PCBs containing up to \$36,000/tonne of recoverable metals."

Sources: The global E waste monitor: https://ewastemonitor.info/the-global-eWaste-monitor-2024/,: Gold recovery from waste: https://sustainenvironres.biomedcentral.com/articles/10.1186/s42834-022-00118-x, https://www.sciencedirect.com/science/article/abs/pii/S0956053X21006759.

VALUATION UPLIFT ALONG THE COMMERCIALISATION PATH



Market backs scalable industrial technologies



This chart compares battery recycling and advanced materials companies — by their estimated valuation (Y-axis), development stage (X-axis), and capital scale or market impact

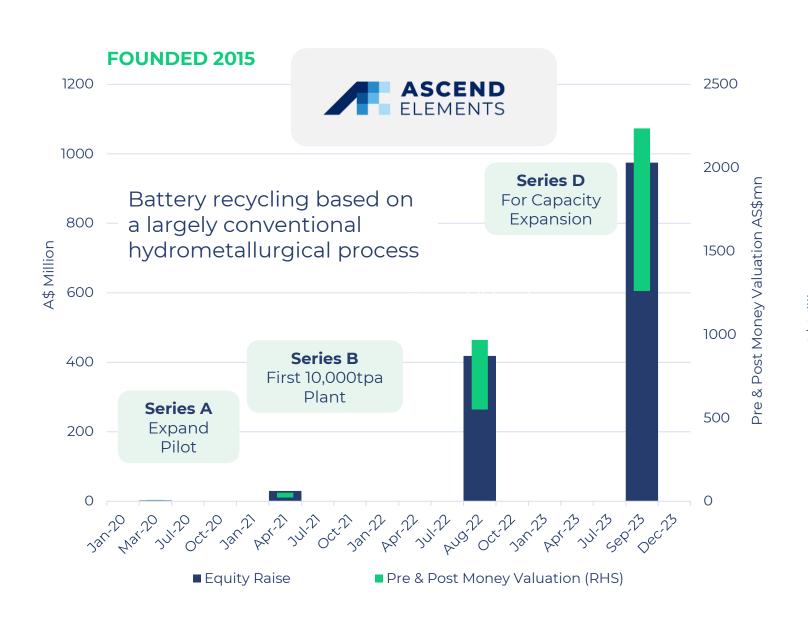
CAPITAL AND VALUATION SUPPORT

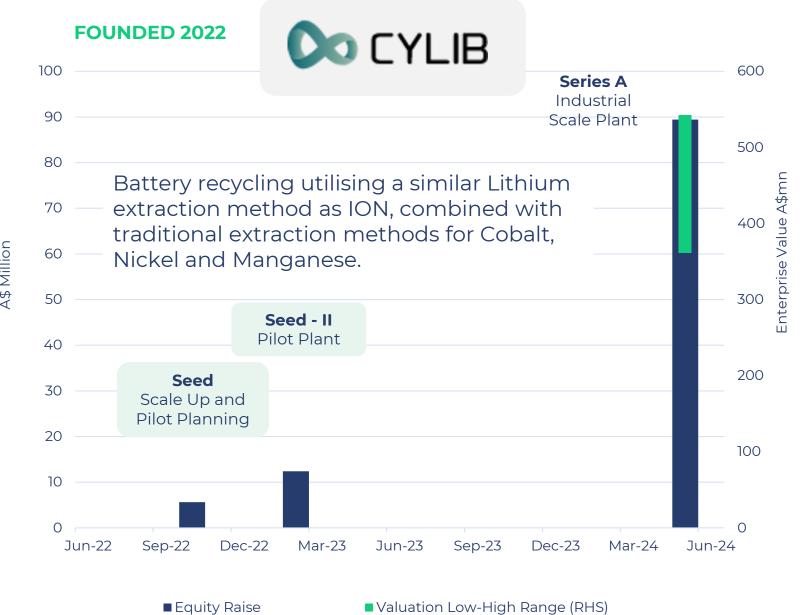


Market Comparisons

Breakthrough technologies in Metal and Battery Recycling are attracting strong capital support and increasing valuations pre and post pilot









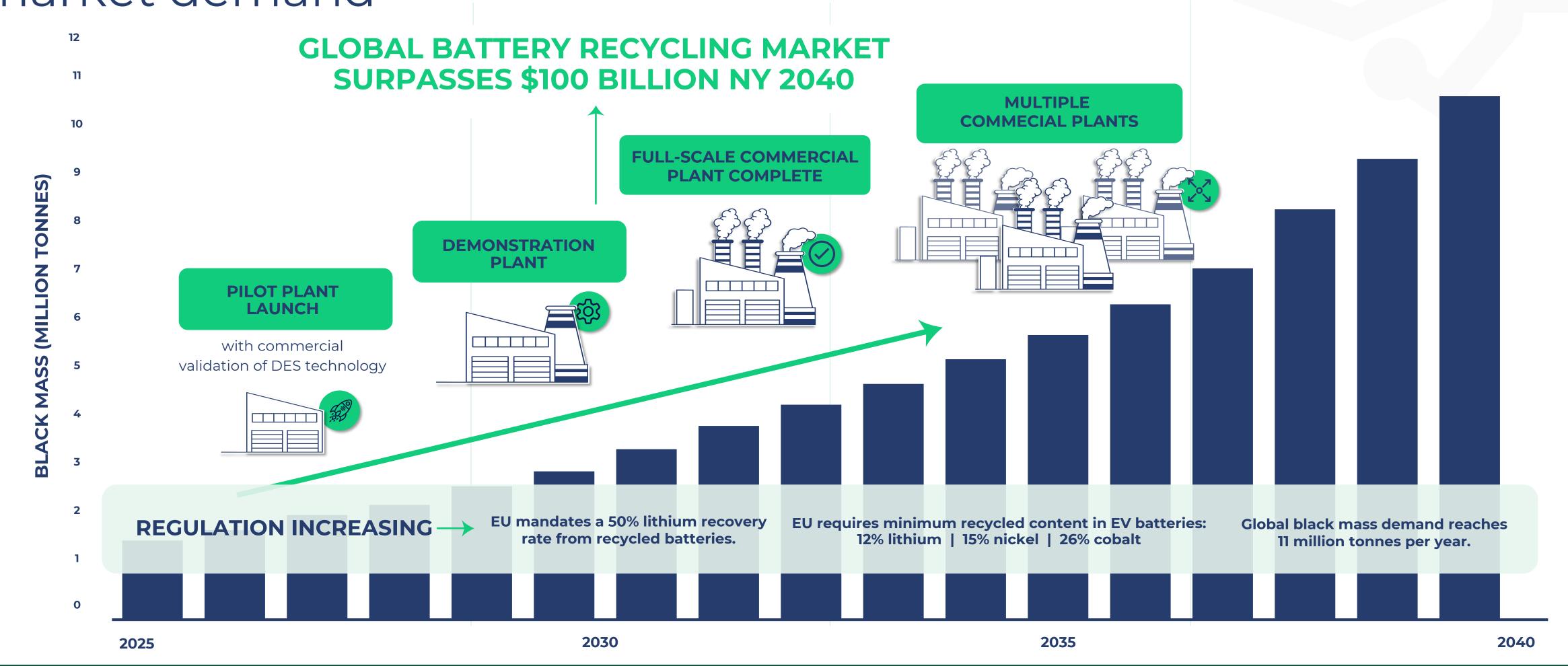


Breakthrough Technology for a Huge Battery Recycling Market Opportunity

EV BATTERY RECYCLING



Commercialisation activities align with EV metal market demand





Driving Urgent Battery Recycling Solution

EV growth accelerating

Black mass supply to reach 11.3M tonnes by 2040.

Recycling demand outpacing capacity

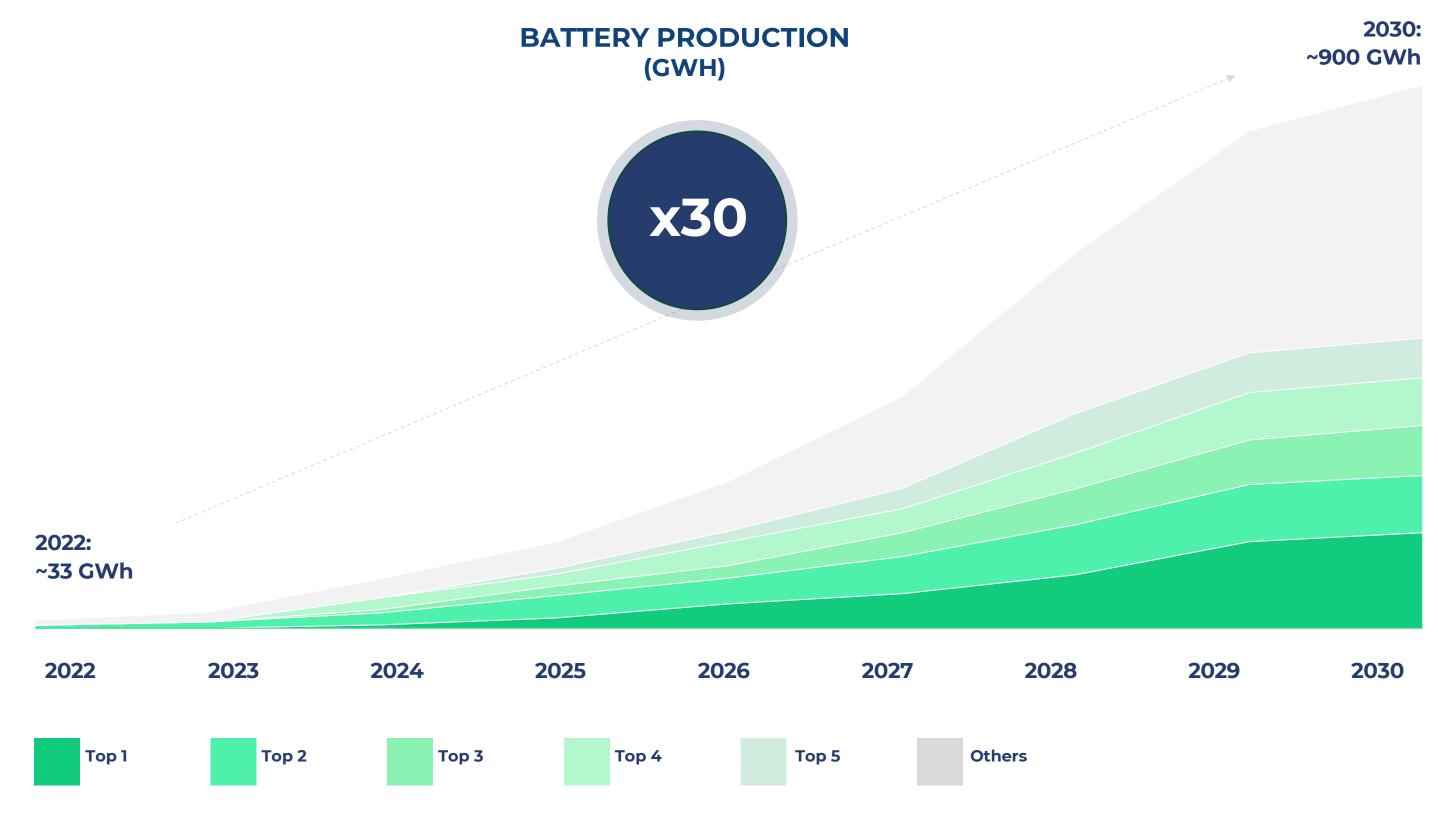
Black mass growth
+25% CAGR, but EU
lacks hydromet
capacity (74% deficit).

Regulations pushing localised recycling

EU & US policies drive sovereign supply chains.

Current methods are costly & unsustainable

Need for cleaner, scalable solutions



Source: Joint study between Strategy & and PEM of RWTH Aachen University, August 2023

Adjusted forecast based on announced GWh capacity compared to current project start-up status, based on desktop research and expert estimates.



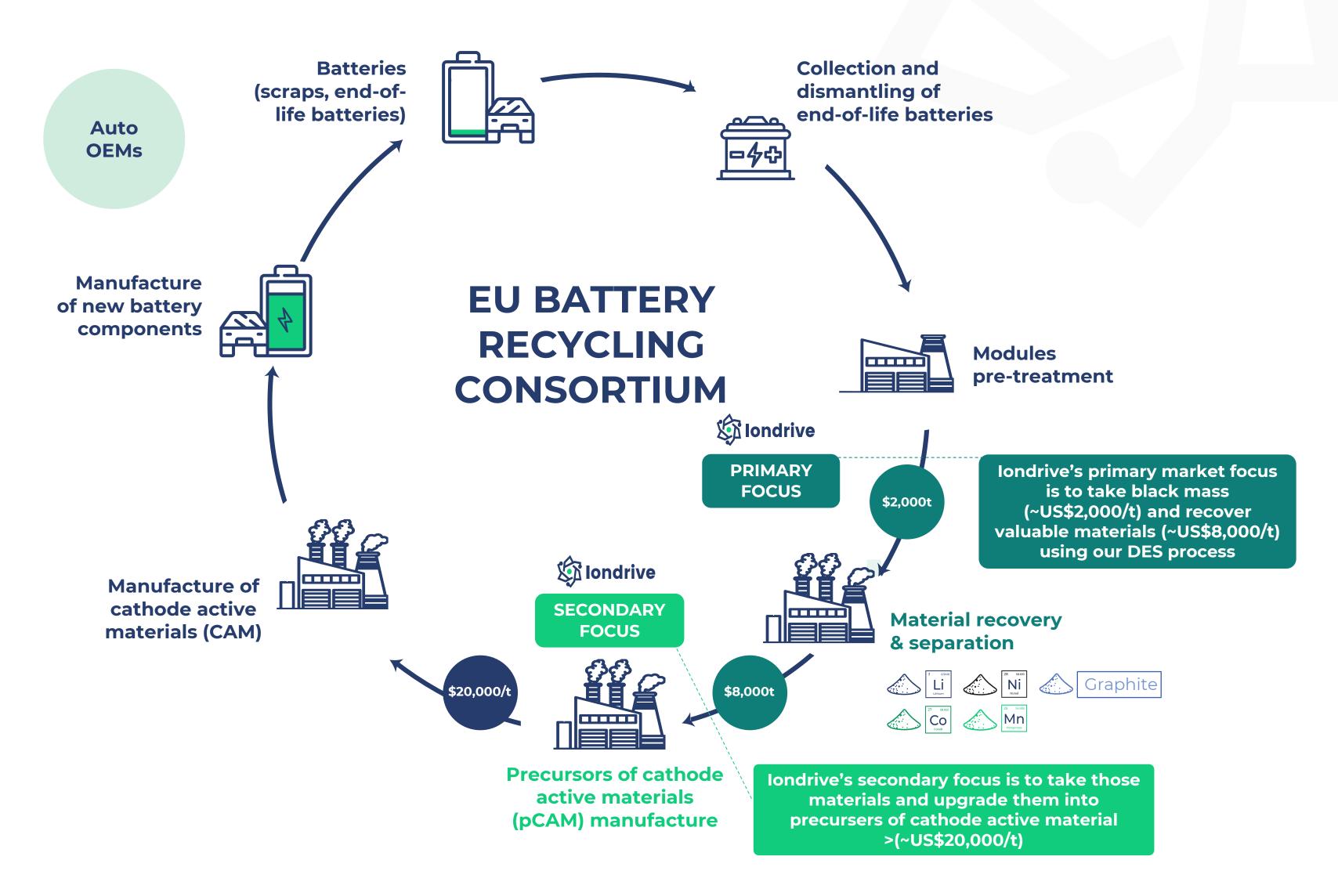
Pre-Feasibility Study (PFS) Confirms Exceptional Recovery Rates and Market Viability

BATTERY RECYCLING

Business Model

Iondrive intends to generate value uplift by initially processing black mass (battery waste) into reusable critical minerals and upgrading them into high-value cathode precursors. This approach bridges battery recycling and advanced material production, adding economic and market value.





IONDRIVE



Illustrative plant economic indicators

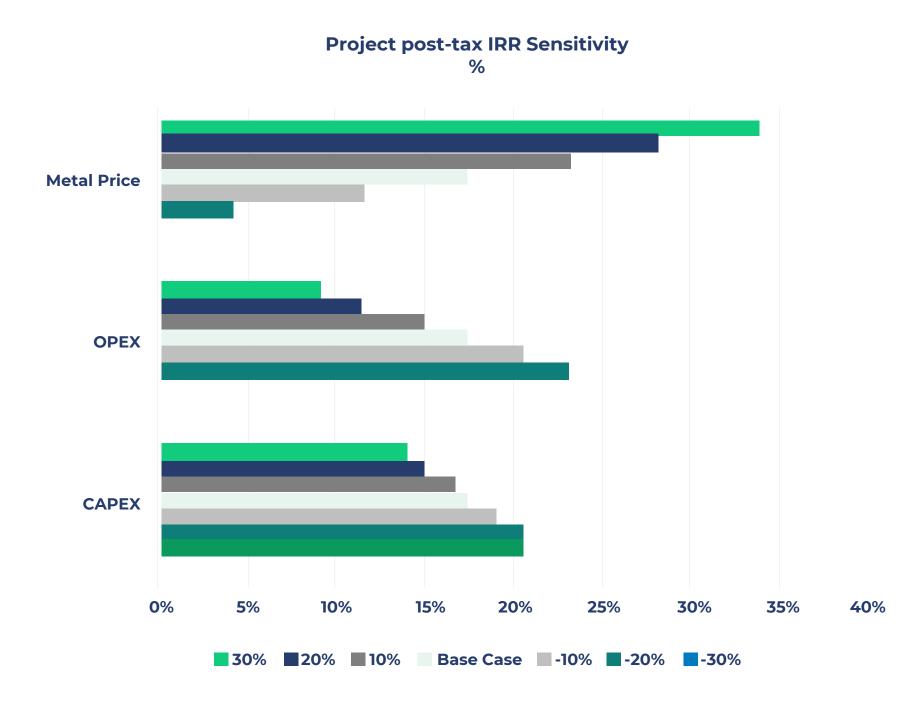


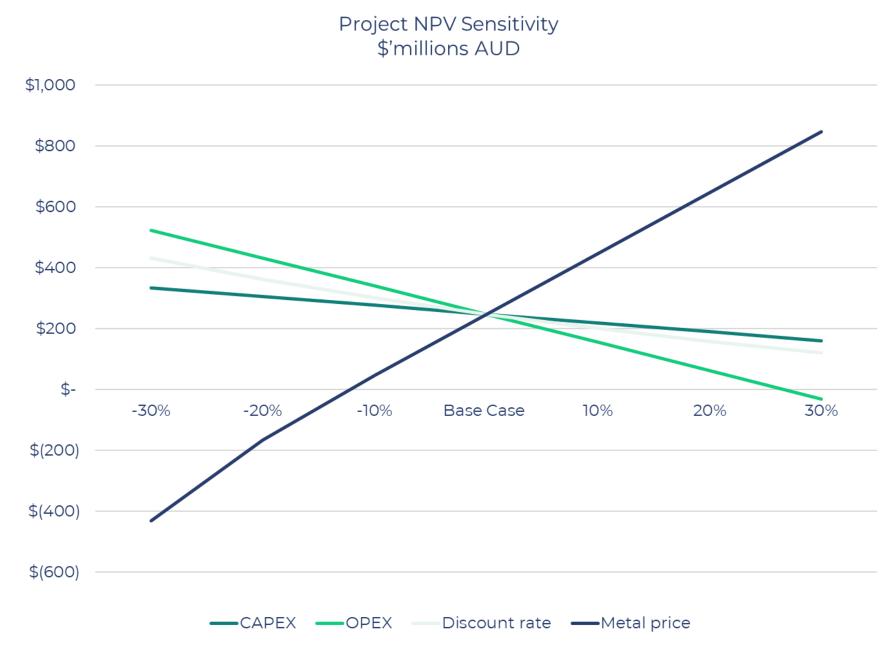












^{1.} Company aspirations that should not be read as forward-looking statements.

^{2.} No assurance that actual outcomes will not differ materially from these amounts

^{3.} pkt/pa references plant throughput in kilotonnes for first year only as CAPEX does not reoccur year on year

^{4.} Assumptions for Economic Modelling presented in Appendices

ECONOMIC MODELLING



Assumptions

Appendix 1: Key Assumptions of the Economic Evaluation of the PFS londrive Battery Recycling Plant Configuration

Project life years 21 Construction period years Operations period years Discount rate (real) % 10 Total CAPEX* AUDm 370m Terminal Value 20% Payback years NPV10 249m IRR 17.4% EUR:AUD 1.66 FX **USD:AUD 1.57**

*both Pretreatment and DES plants incl. 10% Owners Costs

Notes:

- l. Location-specific electricity pricing sourced by Wood from third-party market references.
- 2. Other variables based on Wood data base and business judgement.
- 3. No Government funding, tax incentives or debt funding upside benefit included.
- 4. Assumes that the londrive Plant demonstrates that the londrive process technology is effective at producing recovered battery metals consistently and reliably with recoveries similar to bench scale test results
- 5. Economics are for a standalone plant; no royalties or licence fees are included in the economic assessment.

Appendix 2: Battery-grade Price Forecasting (Benchmark Minerals International)

Product Sales pric	ce Yearl	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year- 10 21
Li Carbonate	\$ 15,308	\$ 19,233	\$ 29,830	\$ 45,530	\$ 39,250	\$ 34,540	\$ 32,970	\$ 32,970	\$ 32,970	\$ 32,970
Ni Hydroxide	\$ 13,782	\$ 14,112	\$ 14,333	\$ 14,733	\$ 16,414	\$ 17,215	\$ 18,016	\$ 18,416	\$ 17,615	\$ 16,302
Co Oxide	\$ 29,779	\$ 33,284	\$ 37,495	\$ 43,724	\$ 48,820	\$ 53,537	\$ 58,172	\$ 62,050	\$ 65,564	\$ 81,909
Mn Hydroxide	\$ 1,413	\$ 1,884	\$ 2,434	\$ 2,826	\$ 2,591	\$ 2,355	\$ 2,041	\$ 1,806	\$ 1,806	\$ 1,806

Appendix 3: Battery-grade Materials Annual Production

Production TPA	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10- 21
Li Carbonate	_	4,793	4,793	4,793	4,793	4,793	4,793	4,793	4,793	4,793
Ni Hydroxide	-	3,556	3,556	3,556	3,556	3,556	3,556	3,556	3,556	3,556
Co Oxide	-	2,603	2,603	2,603	2,603	2,603	2,603	2,603	2,603	2,603
Mn Hydroxide	_	2,335	2,335	2,335	2,335	2,335	2,335	2,335	2,335	2,335

IONDRIVE

References



Wood study: ASX 15th July 2024

PFS: ASX 1st November 2024

PEM Aachen University Benchmarking Study:

ASX 1st November 2024

Rho Motion Report: ASX 25th March 2024

BMI Report: ASX 19th February 2025

Model Answer Economic Modelling: ASX 19th February 2025