

Cris Moreno, Managing Director and CEO Annual General Meeting 28 May 2025

**ASX/FSE: VUL** 

DETERMINED FOR A BETTER TOMORROW

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**Ore Reserves and Mineral Resources reporting.** It is a requirement of the ASX Listing Rules that the reporting of ore reserves and mineral resources in Australia comply with the Joint Ore Reserves Committee's Australasian Code for Reporting of Mineral Resources and Ore Reserves ("JORC Code"). Investors outside Australia should note that while ore reserve and mineral resource estimates of the Company in this document comply with the JORC Code (such JORC Code-compliant ore reserves and mineral resources being "Ore Reserves" and "Mineral Resources" respectively), they may not comply with the relevant guidelines in other countries and, in particular, do not comply with (i) National Instrument 43-101 (Standards of Disclosure for Mineral Projects) of the Canadian Securities Administrators (the "Canadian NI 43-101 Standards"); or (ii) subpart 1300 of Regulation S-K under the US Securities Act of 1933, as amended (the "Securities Act"), which governs disclosures of mineral reserves in registration statements filed with the US Securities and Exchange Commission ("SEC"). Information contained in this Presentation describing mineral deposits may not be comparable to similar information made public by companies subject to the reporting and disclosure requirements of Canadian or US securities laws and investors are cautioned that there can be no assurance that the reserves and resources reported by the Company under the JORC Code would be the same had it prepared its reserve or resource estimates under the standards adopted under subpart 1300 of Regulation S-K.

**Technical information.** Vulcan has carried out a definitive feasibility study ("DFS") and bridging engineering study ("Bridging Study") for its Phase One Project, the results of which were announced to the ASX in the announcements Phase 1 DFS Results dated 13 February 2023 (DFS Announcement) and Positive Bridging Study Results on 16 November 2023 (Bridging Study Announcement). This presentation may include certain information relating to the DFS and the Bridging Study. The DFS and Bridging Study are based on the material assumptions and parameters outlined in their respective announcements. While Vulcan considers all of the material assumptions to be based on reasonable grounds, there is no certainty that they will prove to be correct or that the range of outcomes indicated by the Bridging Study or DFS will be achieved. This presentation may also include certain information relating to future phases of its Project. Vulcan has not yet carried out a definitive feasibility study for future phases of its Project.

**Funding strategy.** To achieve the range of outcomes indicated in the Bridging Study, additional funding will be required. Investors should note that there is no certainty that Vulcan will be able to raise the amount of funding when needed. It is also possible that such funding may only be available on terms that may be dilutive to or otherwise affect the value of Vulcan's existing shares. It is also possible that Vulcan could pursue other financing strategies such as a partial sale or joint venture of the Project. If it does, this could materially reduce Vulcan's proportionate ownership of the Project.

Competent Person Statement. Please see the Competent Person Statement slide in the Appendices.

Note(s): 1. This slide contains a summary of the applicable disclaimers, the full disclaimer in relation to this presentation is contained in Appendix 1.

#### AGENDA

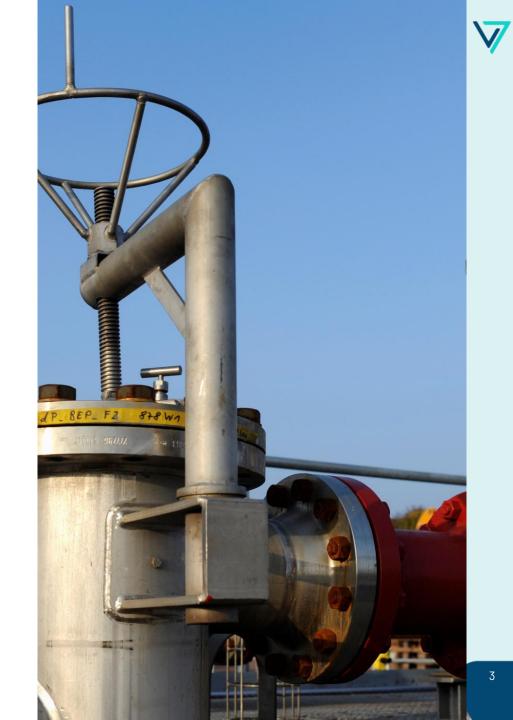
#### **1. Company overview**

#### 2. Year in review

#### 3. Lithium market

#### 4. Strategic direction

#### 5. Targets 2025





1. Company overview

## **EMPOWERING A CARBON NEUTRAL FUTURE**

#### High quality strategic shareholders

ASX/FSE Prime Standard / VUL

Shares on issue / ~218m

Market Capitalisation<sup>1</sup> / ca. €506m (A\$889.9m)<sup>2</sup>

Cash<sup>3</sup> / **€78.8m (~A\$141m)** 

#### High quality strategic shareholders

- ~8% Dr Francis Wedin
- **~7**% Hancock Prospecting Pty Ltd
- ~6% CIMIC Group

#### ~5% Stellantis

# **Vulcan values**



## **CLIMATE CHAMPION**

### DETERMINED

#### INSPIRING

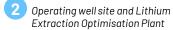


#### **VULCAN COMPANY IN A SNAPSHOT - PHASE ONE PROJECT: LIONHEART**

#### Low cost, sustainable integrated lithium and energy production from Europe, for Europe



3









2. Year in review

## **RECENT KEY ACHIEVEMENTS**

#### **Transformational period for Phase One Lionheart Project**

Start of production at downstream lithium hydroxide optimisation plant	<b>√</b>
<b>Vulcan awarded €100m</b> (A\$162m) from the Federal Ministry of Economics and Climate Protection for its HEAT4LANDAU Project	~
Vulcan & BASF partner to reduce CO <sub>2</sub> emissions at world's largest chemical complex	~
<b>EIB Board approves participation in Phase One</b> financing potentially amounting to up to €500m (~A\$819m)	<b>√</b>
Successful €100m (~A\$164m) Placement to fund start of project execution	~
<b>€879m</b> (~A\$1.45bn) <b>conditional debt commitment letter</b> signed with EFA and commercial lending group of seven banks	~
<b>Production of battery-quality lithium hydroxide monohydrate (LHM)</b> demonstrating Europe's first domestically battery-quality LHM, from raw material to final product	~
Start of drilling at Schleidberg, the first new production well site for Phase One	~
Lol signed with premium German automaker	~
KfW Raw Material Fund has entered Sequana investment process - €150m equity investment targeted conditional to successful due diligence	~

Vulcan awarded EU Strategic Project under Critical Raw Materials Act (CRMA)



## AWARDING OF EU STRATEGIC PROJECT STATUS

#### Major signal of the importance of Phase One Lionheart Project

The European Commission awarded Vulcan Energy with Strategic Project status in March 2025, reflecting the **Phase One Lionheart Project's alignment with the objectives of the Critical Raw Materials Act (CRMA)** 

The CRMA is designed to increase the EU's capacity to extract, process and recycle strategic raw materials, including lithium, and diversify EU supplies from third countries

The Company's commitment to **producing sustainable lithium is demonstrated through its advanced extraction and processing technologies** 

Strategic Project status **unlocks access to EU funds and potential state aid**, expedites permit-granting processes, and enables priority treatment in regulatory processes

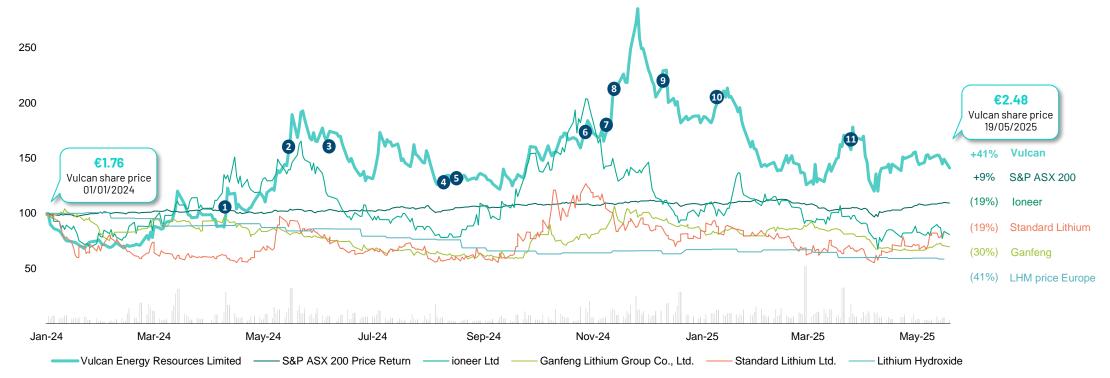


#### **HIGH PERFORMER**

#### **Best performing lithium stock since 2024**

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11 Apr-24	17 May-24	3 Jun-24	8 Aug-24	9 Aug-24	25 Oct-24	8 Nov-24	12 Nov-24	12 Dec-24	13 Jan-25	25 Mar-25
LEOP start of	Announce final	Vulcan receives	CLEOP start of	Announcement	Vulcan awarded	CLEOP	Vulcan awarded	Vulcan raised	Production of	Vulcan awarded
production	phase of	€40m	commissioning	of the	a Dark Green	opening and	€100m funding from	€100m equity	battery-quality	EU Strategic
	Vulcan's	investment by		Arcadium	rating by S&P	start of	the German Recovery	from OMV,	lithium	Project status
	Project-level	CIMIC Group		Lithium	Global	production	and Resilience Plan	CIMIC Group	hydroxide	under Critical
	financing	and HPPL		acquisition by			(the BEW Funding)	and institutional	monohydrate	Raw Materials
	process			Rio Tinto				investors		Act
		and HPPL					(the BEW Funding)		monohydrate	

#### 300 Relative share price performance (VUL-AU & peers) since January 2024 – rebased to 100<sup>(1)</sup>



Source: Capital IQ as of 20/05/2025

Notes: Volumes for illustrative purposes only; (1) Rebased as of 01-Jan 2024

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## **STRONG POLICY TAILWINDS**

#### **European and German policy initiatives**

EU Battery Passport<sup>1</sup> – adopted July 2023

Critical Raw Materials Act (CRMA)<sup>2</sup>- entered into force 23 May 2024

Net Zero Industry Act (NZIA)<sup>3</sup> - entered into force 29 June 2024

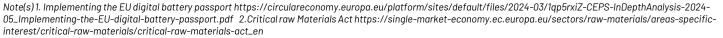
Strategic Project Status<sup>4</sup> – awarded 26 March 2025

A competitive compass for EU<sup>5</sup> – 29 January 2025 (including)

- Clean Industrial Deal initiative Affordable energy Q1 2025
- Sustainable Transport Investment Plan Q3, 2025

- Industrial Decarbonisation Accelerator Act - Q4, 2025

#### **Germany's Geothermal Acceleration Law**<sup>6</sup>, European Geothermal Strategy – 2025

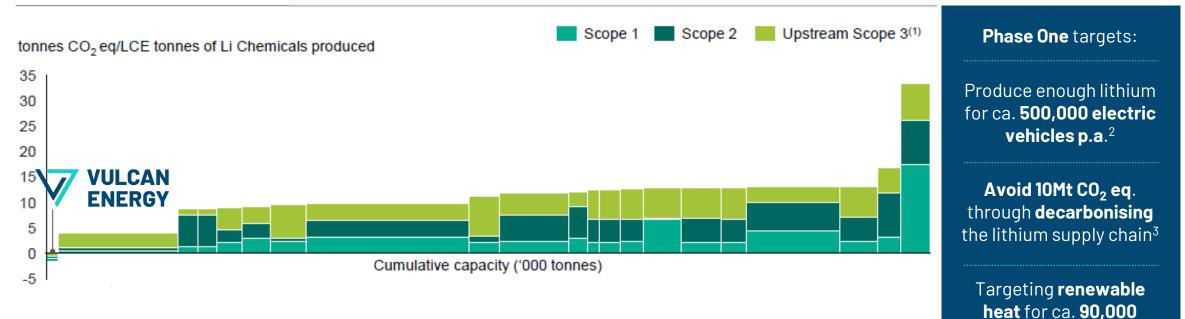


3. NZIA <u>https://commission.europa.eu/strategy-and-policy/priorities-2019-2024/european-green-deal/green-deal-industrial-plan/net-zero-industry-act\_en.html</u> 4. https://singlemarket-economy.ec.europa.eu/sectors/raw-materials/areas-specific-interest/critical-raw-materials/strategic-projects-under-crma 5. A competitive compass for the EU: Brussels, 29.1.2025 https://commission.europa.eu/document/download/10017eb1-4722-4333-add2-e0ed18105a34\_en 6. Geothermal Acceleration Act https://www.bmwk.de/Redaktion/DE/Pressemitteilungen/2024/09/20240904-umsetzung-der-waermewende.



# **LION**<sup>®</sup> A CLEAR LEADER IN SUSTAINABILITY

GHG emissions intensity of lithium chemicals production in 2030



#### **Environmental and Social Impact Assessment**

**(ESIA)** updated and published: confirmed no impact greater than minor post mitigation, and **several positive impacts** to people and planet

Green Financing Framework complete and awarded **Dark Green** status from S&P Global Ratings, **the highest rating ever received by a Metals and Mining company globally**<sup>5</sup>

## S&P Global Ratings Dark green

Activities that correspond to the long-term vision of a low-carbon climate resilient future. Note(s): <sup>1</sup>Benchmark Minerals Intelligence - Upstream Scope 3 emissions include the production and transportation of raw materials, fuels, machinery and equipment, and waste treatment. <sup>2</sup> Based on the Phase One production target capacity of 24ktpa from Bridging Engineering Study (BES) Announcement 16<sup>th</sup> November 2023 and Vulcan internal estimated average EV battery size and chemistry in Europe. Refer to the Competent Person Statement within the Disclaimer slides, <sup>3</sup> Minviro and internal estimates combined, using Innovation Fund methodology; <sup>4</sup> Based on official feed-in numbers from grid operator and calculated with the latest local electricity mix emission factor; <sup>5</sup>See ASX announcement of 8 October 2024.

people<sup>4</sup>

Consume only tiny

amounts of water, due to recycling

### **UNIQUELY POSITIONED**

#### Poised to capture the next phase of growth<sup>1</sup>

**Strong customer relationships:** Vulcan has offtake agreements with tier-one European counterparties covering majority of first ten years of production<sup>2</sup>, reduces pricing and market risk

**Tier-one asset:** 30-year project life, large, scalable lithium resource, largest in EU<sup>3</sup> and globally significant

**Low impurities** in the brine: Upper Rhine Valley Brine Field (URVBF) brine has very low impurities, and requires zero chemical pre-treatment, lowers OPEX

**Cheap and renewable heat**: URVBF is naturally heated, which drives lithium production, and excess heat can be sold as power with Feed-in Tariff

**In-house technological A-DLE expertise:** Vulcan now the only ASX-listed company with an in-house A-DLE technology division apart from Rio Tinto

# **Large project execution and operation expertise:** Vulcan has a leading combination of expertise from O&G, chemicals and geothermal industries

Note(s)1. There are a number of risks and uncertainty (known and unknown) that are associated with resources exploration and development, which are included in the risk factors contained in contained in the Prospectus. 2. Refer to section 8.16.3 of the Prospectus for further information regarding the terms of the Company's offtake agreements 3. On a lithium carbonate equivalent (LCE) basis, according to public information, as estimated and reported in accordance with the JORC Code 2012. See the Competent Person Report contained in the Prospectus and Appendix 4 of the Equity Raise Presentation dated 11 December 2024 for further information.



## **OPTIMISATION AND QUALIFICATION: UPSTREAM**

#### Europe's first fully-domestic production of lithium chemicals<sup>1</sup>

Start of Production of LiCl began in April 2024, using Adsorption-Type DLE

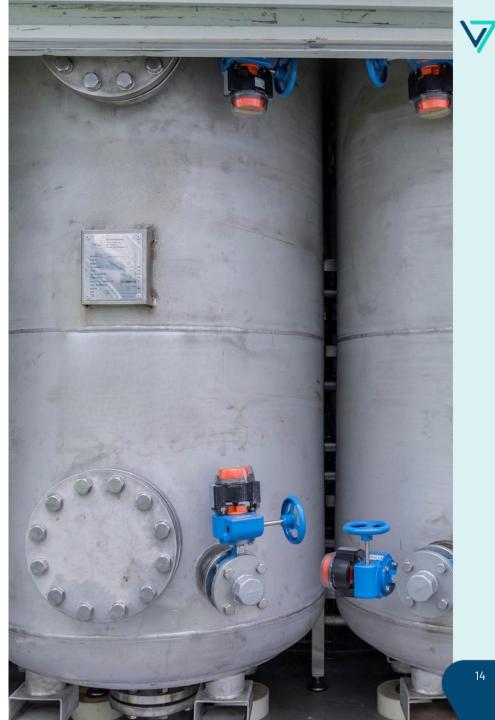
**Up to 95%** lithium extraction efficiency, already producing to specification using Vulcan's proprietary adsorbent VulsorB°

**Operational readiness:** LEOP is currently training staff and optimising product in a pre-commercial environment

LEOP is sending upstream product (LiCl concentrate) to the Central Lithium Electrolysis Optimisation Plant (CLEOP) to make battery-quality lithium chemicals



**Vulcan's operational upstream Lithium Extraction Optimisation Plant** 



## **OPTIMISATION AND QUALIFICATION: DOWNSTREAM**

#### **Operations team training and fast-tracking product qualification**

Start of production of lithium hydroxide at CLEOP commenced in parallel with the official opening of the plant in November 2024

Located in Industrie-Park Höchst, Vulcan's downstream optimisation plant will focus on training and optimisation during the construction of the commercial-sized lithium plant, in the same location

Product from CLEOP is **Europe's first fully integrated lithium battery chemicals** and produced with a by-product of renewable energy

CLEOP has started sending battery-quality lithium chemicals to offtake partners for pre-qualification testing, ahead of commercial production, potentially accelerating the qualification process



LEOP and CLEOP are now operating, representing Europe's first domestic resource-to-LHM supply chain



### **EPCM PARTNER VALIDATION EXERCISE COMPLETED**

# Much improved scope definition leading to reduced uncertainty and risk during execution, all with no material change to CAPEX

**EPCM/ integrator:** review of scope, cost and schedule, validating the BES, with no material increase in capital requirement allowing finalisation of preparations for EPCM award

**Process technology partnerships:** flowsheet integration and firm offers in place for optimised flowsheet, updated modular execution model, integration of multi-discipline delivery

**ORC delivery partner:** final EPC lump-sum turnkey firm offer received including civils. Further increases cost certainty

**De-risking:** pipelines (ICPP) engineering maturity improved, further cost certainty improvements on well sites, stable well costs

Much improved scope definition since BES, reflected in reduced risk and uncertainty across the Phase One integrated project









#### PHASE ONE FINANCING<sup>1</sup>

#### Strong support from public and private sector

€879m (~A\$1.45bn) conditional debt commitment letter signed in December with Export Finance Australia and a commercial lending group of seven banks

European Investment Bank Board approval received for up to €500m financing

Vulcan has also applied for significant public grant funding and **was awarded €100m** (A\$162m) from the Federal Ministry of Economics and Climate Protection of Germany in November 2024

CRMA Strategic Project status will allow a streamlined progression through a CRM financing board subgroup

**Vulcan's Green Financing Framework has been rated the highest possible rating** – Dark Green – by S&P Global Ratings. The Framework is aligned with International Capital Market Association and Loan Market Association principles and guidance

Updated Environmental and Social Impact Assessment (ESIA) published on 16 September 2024, a pre-requisite for Export Credit Agencies' Credit Committee approval

Note(s): 1. Refer to ASX announcement titled Vulcan Launches AUD164m Placement and Share Purchase Plan dated 11 December 2024 and section 8.1.3.5 of the Prospectus for further details regarding the Company's financing strategy for its Phase One Project. See also risk factors in Appendix 1 of this Presentation, and the risk factors in the Prospectus and the Equity Raise Presentation in relation to the future funding requirements. As at the date of the Presentation, the Company has not yet entered into binding agreements for its required debt and equity financing for its Phase One Project, and accordingly there is no certainty as to the availability of terms of such financing. See the Company's announcement \$1.45bn conditional debt commitment letter for Phase One of 18 December 2024 for further information.



**Structuring banks** 





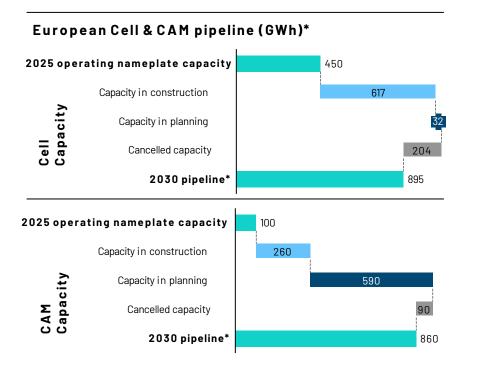
**3. Lithium market** 

## **POWERING AHEAD: EUROPE'S BATTERY PROJECTS ON THE RISE**

#### No existing supply of lithium from Europe – Vulcan critical to secure local supply

The **European battery industry** is robust and **continues to grow at a rapid rate** 

The **cell project pipeline is equivalent to a doubling in GWh capacity by 2030**, almost all of which is in construction now (see below).



1       LGES       Operating       Operating         2       CATL       Operating       Operating         3       CATL       Operating       Operating         4       AESC/Nissan       Operating       Operating         5       Samsung SOI       Operating       Operating         6       SK On       Operating       Operating         7       SK On       Operating       Operating         9       ACC       Operating       Operating         9       ACC       Operating       Operating         11       Leclanché       Operating       Operating         12       InoBat Auto       Operating       2025         7       SK On       Operating       2025         12       InoBat Auto       Operating       2025         13       Edifore, Germany       2025         CALB, Portugal       2025       Operating       2026         Wir Germany       2025       Operating       2027         CALB, Portugal       2026       Operating       2027         Wir Germany       2026       Operating       2027         Wir Seain       2028       Operating       2027<	# Owner	Status	European Cell (LHS) and CAM plants	#	Owner	Status
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	Freyr, Norway					

860 GWh by 2030 = ca. 600,000t LCE of demand p.a. just in Europe, with zero local supply. Vulcan's Phase One to supply 24,000 tonnes per annum, ca. 4% of this market

Source: Benchmark Mineral Intelligence

\* Not risk-weighted \*\* Projects at very early stages of planning, or of insignificant volume, have been excluded

#### **RIO TINTO STRONGLY COMMITTED TO A-DLE IN LITHIUM BRINES**

Rio has recently invested ~US\$ 11.3bn (~A\$ 17.2bn) in A-DLE related projects and technologies

Counterparties	SENTIENT EQUITY PARTNERS	arcadium lithium	CODELCO	
Rio's A-DLE play	Acquisition/Investment <sup>1,2</sup>	Acquisition <sup>3,4,5</sup>	Joint Venture <sup>6</sup>	Joint Venture <sup>7</sup>
Transaction/ investment summary	<ul> <li>In March 2022, Rio completed the acquisition of the Rincon lithium project from Sentient for US\$825m and subsequently, in December 2024, committed US\$2.5bn to expand the Argentinian operation</li> <li>Rio noted the DLE technologies proposed for use at the Rincon project had potential to significantly increase recoveries compared to solar evaporation ponds</li> </ul>	<ul> <li>In early 2025, Rio finalised the acquisition of Arcadium Lithium (formerly Allkem &amp; Livent) for US\$6.7bn</li> <li>Acquisition included several lithium brine projects, namely; Cauchari, Olaroz, Sal de Vida, and Fenix, boasting a combined planned production capacity of +100ktpa LCE</li> <li>Rio gained access to iLiAD (A-DLE technology developed by EnergySource Minerals)</li> </ul>	<ul> <li>In May 2025, Rio Tinto and Codelco signed binding agreements forming a JV to develop and operate in the Salar de Maricunga (Maricunga Project) in Chile</li> <li>Under the agreement Rio Tinto acquires 49.99% interest in the Maricunga Project for US\$900m</li> <li>Plans to utilise A-DLE technology on the Maricunga Project</li> </ul>	<ul> <li>In May 2025, Rio was confirmed as the preferred bidder to partner with ENAMI on Altoandinos, Chile, and will earn 51% of the project by investing US\$425m in cash and non-cash contributions including its DLE technology</li> <li>In total, these A-DLE investments stand to make Rio Tinto the second largest global producer of lithium by 2035, according to Benchmark Mineral Intelligence</li> </ul>
Quantum committed/ invested <sup>8</sup>	US\$ 3,325m (~A\$ 5,000m)	US\$ 6,700m (~A\$ 10,150m)	US\$ 900m (~A\$ 1,360m)	US\$ 425m (~A\$ 640m)

Rio Tinto partners with Codelco to develop lithium project in Chile's Salar de Maricunga | Global Rio Tinto confirmed as preferred partner on world-class Salares Altoandinos lithium project | Global

7.

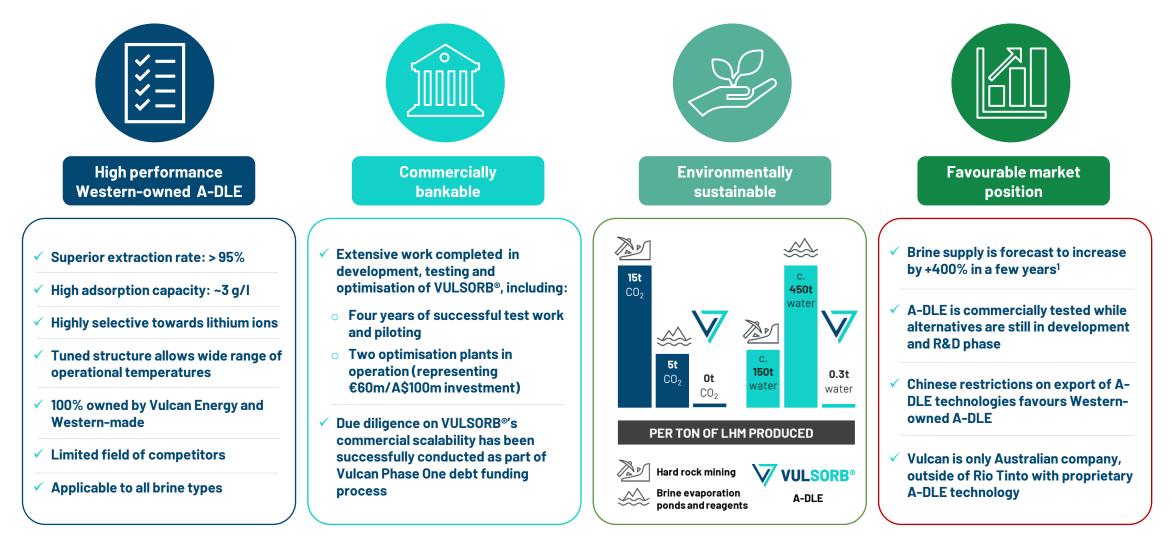
All US\$ converted at USD:AUD1: 0.66 8.

project growth pipeline for low-cost lithium brine production

20

## **VULSORB® – THE KEY TO UNLOCK LOW-COST WESTERN A-DLE LITHIUM GLOBALLY**

Opportunity to grow VULSORB<sup>®</sup> technology business - a high-performance bankable A-DLE technology offering several sustainability benefits in a growing lithium brine market



1. Supply curve derived with reference to publicly available project data and adjusting for in-house view of project production and expansion timelines

2. VULSORB® applied to Vulcan's Phase One Lionheart project. Results will vary with other projects



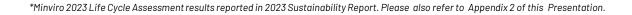
4. Strategic direction



# A premium industry-leading lithium product for battery electric vehicles

**V** is for Vulcan. We strive to be climate champions

- Li is for high purity, sustainable\* and versatile, batteryquality lithium products
- **0** is for zero fossil fuels directly used in our onsite process to produce lithium and the co-production of renewable energy for local communities
- **N** is for no net greenhouse gas emissions across our project life





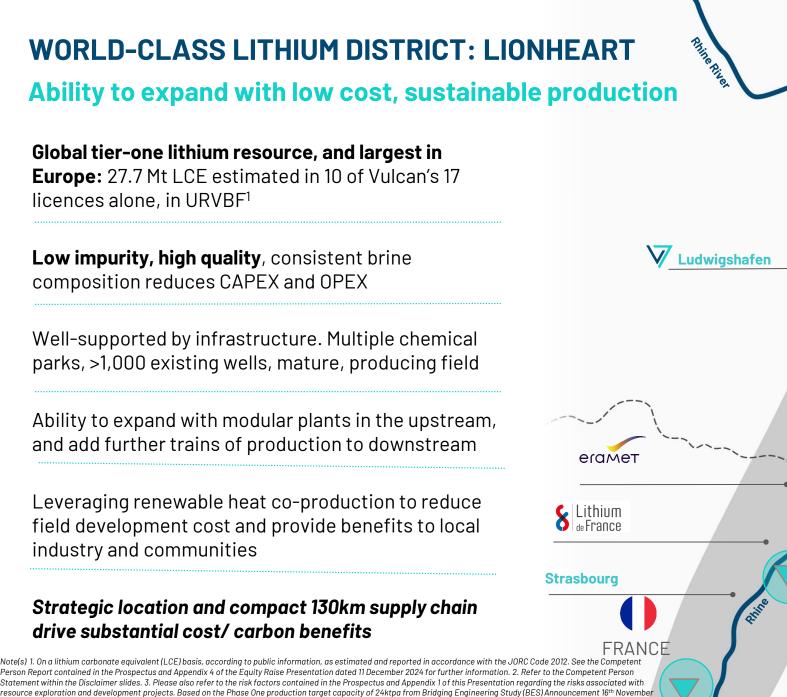


#### FOCUS AREAS FOR VALUE CREATION

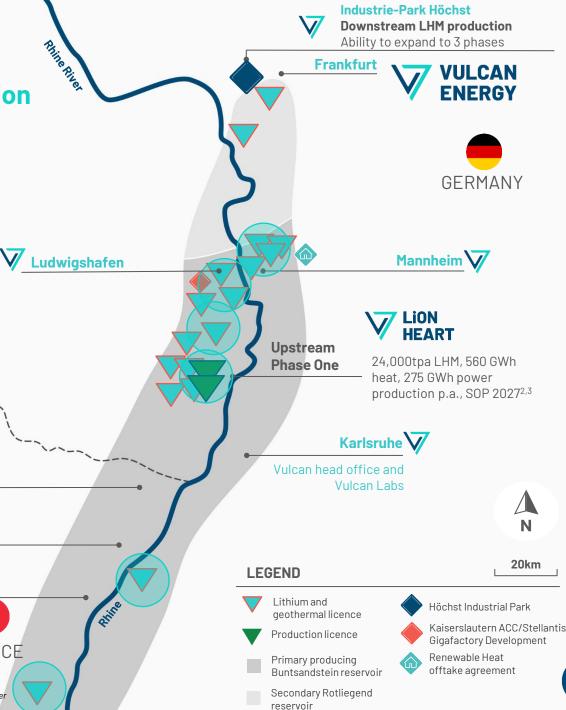
#### Phase One creates base for a leading lithium, renewable energy and technology company

Division	Li Lithium	Ren Renewable energy	Tech Technology	
Phase One	24,000 tonnes p.a. of sustainable lithium hydroxide for Europe's electric vehicle supply chain	275GWh p.a. of renewable power and 560 GWh p.a. of renewable heat generated by Phase One to reduce costs and create byproduct revenue	Having shown industry-leading performance in test work, VULSORB® will be toll manufactured and used in the Phase One Lithium Extraction Plant	
Growth Initiatives	Our tier-one, heated lithium brine resource in the URVBF can support multiple future phases of a similar size to Phase One	Partnering with local industry to co-develop Vulcan's geothermal energy resource to decarbonise operations and contribute to European energy security	VULSORB® has been successfully tested with multiple brines from multiple continents, providing basis for global technology licensing opportunities	
Products				
Vulcan Values	<b>DETERMINED</b> We will use lessons le	arnt from Phase One to improve future pha	ases	
	<b>INSPIRING</b> We will deliver sustainab	le products to customers and contribute t	o the global energy transition	

**CLIMATE CHAMPIONS** We will continue to reduce environmental impact while ensuring cost advantage

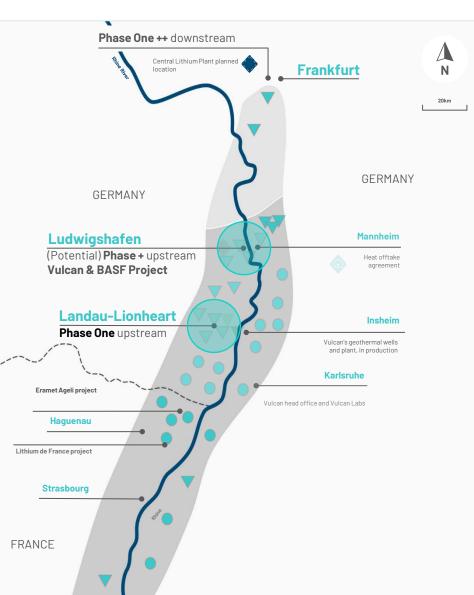


2023 and Vulcan internal estimated average EV battery size and chemistry in Europe. Refer to the Competent Person Statement within the Disclaimer slides



## PHASE + DECARBONISING THE WORLD'S LARGEST CHEMICAL SITE<sup>1</sup>

#### A blueprint for Vulcan's future phase developments to support Europe's energy transition



#### 

- Owner of lithium production
- Co-develops geothermal project
- Operator of integrated heat and lithium facilities

#### **D** • BASF

We create chemistry

- Future heat offtaker co-develops geothermal project
- Examine provision of construction area for lithium extraction plant
- Local stakeholder engagement

**Renewable heat project:** Jointly develop geothermal heat system at BASF's Ludwigshafen complex targeting 2,000–2,500 GWh/year

**Lithium plant**: Intention for Vulcan to construct and operate a Lithium Extraction Plant at the Ludwigshafen site. Produced lithium then further processed at Vulcan's Central Lithium Plant to produce battery-grade lithium hydroxide

**Community heating:** Opportunity for district heating of nearby communities, including partnerships with local energy providers in Ludwigshafen and Frankenthal

**Next steps:** 2D and 3D seismic surveys (2025–2026) will identify optimal well sites, with BASF funding up to €5m. Subject to positive results and public funding, Vulcan and BASF to drill additional wells to produce heat and lithium, sharing costs.



5. Targets 2025

Y 27, 2025: START OF DRILLING FOR W PHASE ONE PRODUCTION WELLS CAR LANDAU, GERMANY  $\mathbf{\nabla}$ 

TTIM

#### **KEY TARGETS FOR 2025**

#### Focus on maintaining strong momentum

Production of battery quality Lithium Hydroxide Monohydrate (LHM) at CLEOP

EU Strategic Project status

Commencement of well execution

Decision(s) on government funding approval processes

Finalising project financing package<sup>1</sup>

Awarding/ signing of major contracts

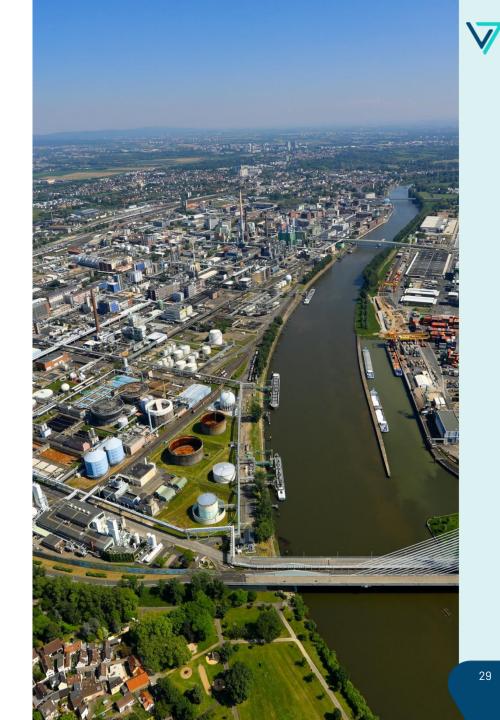
Start of commercial construction of Phase One

Start LHM qualification process

Progress on future phases, including at Ludwigshafen with BASF

Further business growth including licencing of VULSORB® technology

Note(s): Refer to page 17 of this presentation for further information on Phase One financing.





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**Competent Person statement.** The information in this presentation that relates to estimates of Mineral Resources and Ore Reserves is extracted from the Bridging Study Announcement which is available to view on Vulcan's website at <a href="http://v-er.eu">http://v-er.eu</a> Vulcan confirms, that in respect of any estimates of Mineral Resources and Ore Reserves included in this announcement (1) it is not aware of any new information or data that materially affects the information included in the original market announcement, and that all material assumptions and technical parameters underpinning the estimates in the original market announcement continue to apply and have not materially changed; (2) the form and context in which the Competent Persons' findings are presented in this announcement have not been materially modified from the original market announcement; and (3) all material assumptions underpinning the production targets (and the forecast financial information derived from such production targets) included in this announcement continue to apply and have not materially changed.

**Financial data.** All monetary values expressed as "\$" or "A\$" in this Presentation are in Australian dollars, unless stated otherwise. All monetary values expressed as EUR or € in this Presentation are in Euros, unless stated otherwise. All monetary values expressed as "US\$" in this Presentation are in US dollars, unless stated otherwise. The assumed exchange rate to convert Euros into Australian dollars or US dollars (as applicable) is shown in the footnote to each respective slide. In addition, prospective investors should be aware that financial data in this Presentation includes "non-IFRS financial information" under ASIC Regulatory Guide 230 'Disclosing non-IFRS financial information' published by ASIC and also 'non-GAAP financial measures' within the meaning of Regulation G under the U.S. Securities Exchange Act of 1934. The non-IFRS financial measures do not have standardised meanings prescribed by Australian Accounting Standards and, therefore, may not be comparable to similarly titled measures presented by other entities, nor should they be construed as an alternative to other financial measures determined in accordance with Australian Accounting Standards. Although Vulcan believes the non-IFRS financial information (and non-IFRS financial measures) provide useful information to readers of this Presentation, readers are cautioned not to place any undue reliance on any non-IFRS financial measures. Similarly, non-GAAP financial measures do not have a standardised meaning prescribed by Australian Accounting Standards or International Financial Reporting Standards and therefore may not be comparable to similarly and therefore may not be comparable to similarly titled measures do not have a standardised meaning prescribed by Australian Accounting Standards. Although Vulcan believes the non-IFRS financial information (or non-IFRS financial measures). Similarly, non-GAAP financial measures do not have a standardised meaning prescribed by Australian Accounting Standards or International Financial Reporting St

**Funding Strategy.** To achieve the range of outcomes indicated in the DFS and the Bridging Study, additional funding will be required. Investors should note that there is no certainty that Vulcan will be able to raise the amount of funding when needed. It is also possible that such funding may only be available on terms that may be dilutive to or otherwise affect the value of Vulcan's existing shares. It is also possible that Vulcan could pursue other financing strategies such as a partial sale or joint venture of the Project. If it does, this could materially reduce Vulcan's proportionate ownership of the Project.

Effect of rounding. A number of figures, amounts, percentages, estimates, calculations of value and fractions in this Presentation are subject to the effect of rounding. Accordingly, the actual calculation of these figures may differ from the figures set out in this Presentation.

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### **APPENDIX 2:LCA ASSUMPTIONS**

All foreground data for the ISO compliant Life Cycle Assessment (LCA) is sourced from Vulcan's 2023 Bridging Engineering Study. The process design is assumed to be fully electrified. No fossil fuels are directly burned on site in the lithium production process. All background data is sourced from Ecoinvent Database 3.9.1. Electricity used at the geothermal plants and central lithium plants is assumed for 50% to be sourced from the German average grid market mix, and for 50% from additional wind electricity purchased via "green" PPA. Vulcan is in discussions to source any power it needs from 100% renewable sources, so considers the 50% average grid mix to be a conservative assumption. All electricity that is produced at the geothermal plants is assumed in the LCA to be exported to the German electrical grid. All saleable thermal energy that is produced from the geothermal brine is exported for regional district heating, with waste heat used in the process to extract the lithium. When used for regional district heating, it is assumed that it replaces average use of natural gas in the area. Only transport of intermediate products is accounted for, being transport of lithium chloride concentrate from the lithium extraction plant to the central lithium plant, and transport of recycling streams from the central lithium plant to the lithium extraction plant. Overland transport assumes transport in a 16-32 metric tonne EUR03 compliant internal combustion engine lorry. Electric transportation is being explored but not included in the LCA. The LCA is conducted using preoperational average data points. This means the LCA results represent a static point in time based on the 2023 Bridging Engineering Study. The LCA was a cradle to gate study, meaning the downstream use phase of the lithium hydroxide monohydrate product was not studied.