

Sustainability and ESG Framework

June 2022



Intro from CEO & Chair





Dr. Francis Wedin CEO



Gavin Rezos Chairman

We founded Vulcan in 2018 on a sustainability focused goal, namely, to decarbonise lithium production through developing the world's first Zero Carbon LithiumTM business, with co-production of renewable geothermal energy on a mass scale. We wanted to build a new company from the ground up, as a global leader in our field, whilst both prosperous and sustainable. Our purpose was thus born; to empower a zero carbon future.

We embrace our dependency on and inter-relationship with nature in what we do. Our licence to operate is in part founded on our deep respect for the natural world within which we operate and natural resources we utilise, as well as the communities that surround us. A prosperous business for us means that we aim to deliver shareholder value without impacting the health of the natural environment and needs of future generations. What we do, and how we do it, are at the heart of Vulcan's sustainability framework. Our purpose, underpinned by our values, creates momentum to deliver on our strategy; to be global leaders in the production of carbon neutral, fossil-free lithium whilst being nature positive. Our sustainability framework helps us deliver on our strategy. It is at the heart of everything we do.

Our sustainability framework is founded on 3 key themes:

Quality of Life: improving the quality of life for people, land and sea

Balance: maximising shareholder returns without compromising the needs of future generations

Positive Disruption: sustainable innovation and excellence in execution

These themes are supported by environmental, social and governance (ESG) initiatives that bring to life our sustainable objectives. We have made great headway to embed our sustainability and ESG framework by defining ESG roles, responsibilities, and accountability, as well as setting KPIs and reporting on our key risks and approach. This will continue to evolve in line with our growth strategy.

We are setting the pace for the raw materials and lithium industry by having commissioned the world's first independent Life Cycle Assessment (LCA) for lithium hydroxide. The LCA demonstrates that our decision to strictly exclude zero fossil fuels to power our process, together with the fact that we are a net exporter of renewable energy from our geothermal operations to the grid, establishes Vulcan as a carbon negative business.

We are proud of what we have achieved to date and the contribution our people make everyday. We look forward to sharing our journey with you.

Vulcan's ESG Lead





Storm Taylor ESG Lead

"To say that I feel privileged to hold this role for Vulcan is an understatement. We are just at the beginning of our journey but have made great strides in the development of our sustainability framework and ESG initiatives. We have a clear purpose, mission and strategy, delivered through our values driven culture where sustainability is at the heart of everything we do. Our people are passionate about sustainability which is why they are drawn to Vulcan. We have set our ambitions high because we strive to make a difference but ground our actions in the here and now. Having developed our Sustainability and ESG framework we are now embedding that into our core business model. We are proud to share with you what we have achieved so far and where we are headed. In the following pages, we articulate our current journey and future aspirations.

I can't help but feel the weight of the responsibilities of this role. I am keenly aware of the urgency with which we need to change 'business as usual' and am conscious of the challenges and opportunities of the world making the shift away from fossil fuel dependency.

Vulcan are a team of sustainability champions who are all doing their own part to help green the EV supply chain and pivot Europe towards a better future. Transformational change doesn't happen overnight but setting the intention, breaking down the steps and staying accountable makes radical achievements possible. I am excited for this journey and to be able to report our progress to the wider community."

Sustainability Highlights



Employ ~120 people up from 70 in 2021



Carbon neutral certified (Australia)



35% female employment Gender balanced board



Leveraging the skillsets of significant numbers of ex-Oil & Gas industry experts employed towards decarbonisation



~20ktCO₂ annual avoidance renewable electricity¹ from existing operations & ~3.6MtCO₂ to be avoided for LiOH material allocated to current offtakers²



Renewable Heat offtake agreement signed with MVV supply 25,000 – 35,000 households from 2025



ESG linked KPI's for Executive Team



UN Global Compact Member since 2022

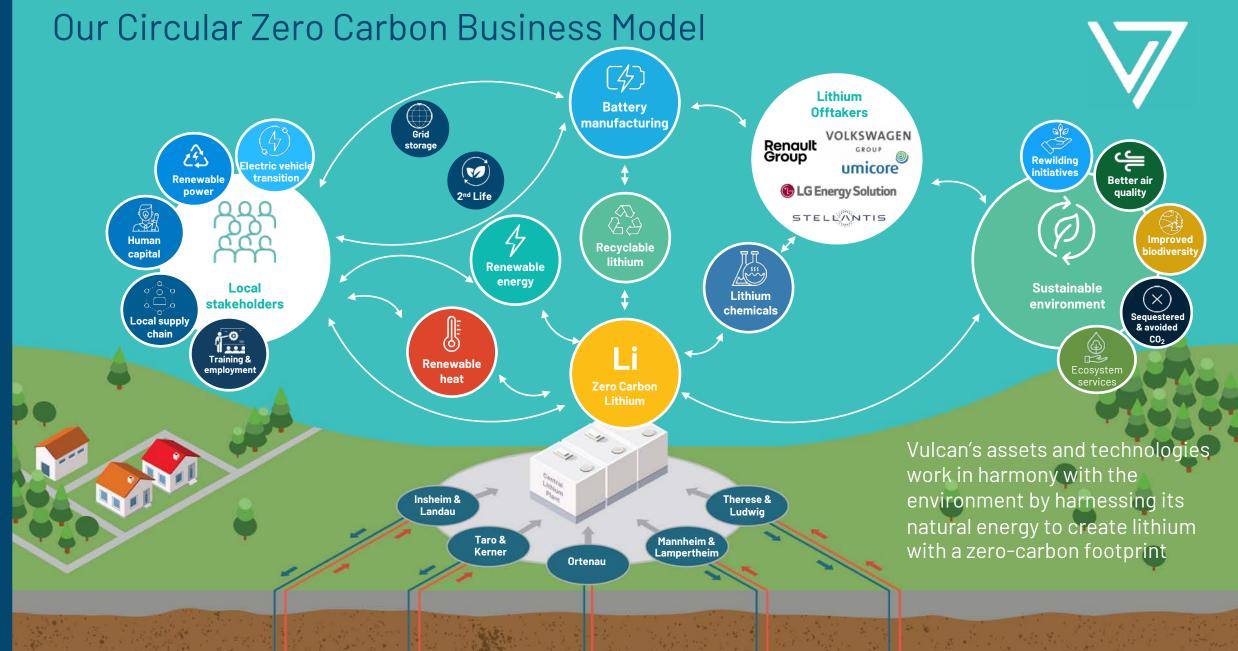


Budget allocated for biodiversity project support





Sustainability at Vulcan



Positioning our Sustainability and ESG framework



- As a positive disruptor, Vulcan's raison d'être is to be a leader in Sustainability. Underpinned by our values, we are committed to ensuring our sustainability goals are not merely aspirations but govern the way Vulcan operates in practice, adding sustainable value to the business.
- We believe that our purpose: to empower a zero-carbon future clearly and succinctly represents the Vulcan Group's identity. It showcases why we exist, what problems we are working to solve and what we aspire to do.
- We produce geothermal energy and heat for the local community, some of which is used to produce our zerocarbon lithium. United by a passion for environmentalism and leveraging scientific solutions, we are working towards a zero-carbon future across both the electric vehicle evolution and the renewable energy industry.

PURPOSE

To empower a zero-carbon future

MISSION

To decarbonise the EV supply chain

STRATEGY

To be global leaders in the production of zero fossil fuel, carbon neutral, lithium whilst being nature positive

ZERO CARBON RENEWABLE HEAT & ENERGY

ZERO CARBON LITHIUM™

TEAM

A world-leading scientific & commercial team in the fields of lithium & geothermal energy

INNOVATION

Adapting existing technologies to efficiently extract lithium from geothermal brine

SUPPLY CHAIN

Strategically placed in the heart of the European EV market to decarbonise the supply chain

VULCAN VALUES









Integrity

Leadership

Future-focused

Sustainability

Sustainability Framework

The Vulcan Compass

The **Vulcan Compass** guides our sustainable decision making - binding our purpose, mission, strategy and values together.

The **Vulcan Compass** incorporates our 3 sustainability themes:

Quality of Life - improving the quality of life for people, land and sea

Balance - maximising shareholder returns without compromising the needs of future generations

Positive disruption - sustainable innovation and excellence in execution

The **Vulcan Compass** is underpinned by 29 key ESG initiatives, summarised on the next page.



Key ESG Initiatives







- Certified carbon neutral organisation across the Vulcan Group
- Ensure 100% renewable energy is used to power operations
- Increase renewable energy use by 50% for all office buildings
- Set GHG reductions target to SBTi's
- Update LCA with live data at both DFS and production
- Successfully implement Circulor CO₂ traceability at production for lithium product
- Peer benchmarking
- Climate risk analysis linked to TCFD and TNFD frameworks







- Gender & diversity recruitment process
- External validation of gender pay parity
- Constantly improving employee satisfaction rating
 - Mental wellbeing training for executive team
- Fully integrated internal training and development program



- Positive climate impact on surrounding environment at all Vulcan operational sites
- Partner with local biodiversity projects















- Supply renewable heating to MVV
- Extend geothermal capacity with additional plants
- Certification to ISO 14001:2015 & 9001



- Water stewardship assessment pre-production
- Waste management assessment

- Carbon credit verification for DLE
- Support university research & development programs
- Robust sustainable procurement system
- Undertake supply chain risk analysis including environmental and modern slavery audit
- Local info centres near exploration licenses to increase local support
- Increased educational programs for the benefits of geothermal heat and energy
- Support 'girls in science' school scholarship
- Targeting zero environmental negative impacts
- Targeting zero health and safety incidents

Environmental



Focus areas	Achievements so far	Targets	Timeframe	
Zero-carbon	Climate Active Minviro LCA Circulor partnership	 Verify carbon neutral organisations across Vulcan Group Ensure 100% renewable energy used to power pilot plant & central lithium plant Increase renewable energy use by 50% for all office buildings Set GHG reductions target to SBTi's Update LCA with live data at both DFS and production Successfully implement Circulor CO₂ traceability at production 	2022 2025 2023 2022 2025 2025 2025	13 SERMATE 15 GREEN TO GR
Biodiversity	TNFD Forum membership TCFD disclosures reporting	 Verify carbon positive impact on surrounding environment at all Vulcan operational sites annually Partner with local biodiversity projects to further enhance local climate efforts 	annual 2023	15 OF LAND 14 BELOW WATER DEED WATER
Renewable energy and heat	Acquired Natürlich Insheim MVV heat offtake	 Supply renewable heating to MVV Extend geothermal capacity with additional plants 	2025 annual	8 BECONT WORK AND 9 MADISTER INFORMATION TO SECURIORISTS AND PRESTRICTIONS TO SECURIORISTS.
Waste management	HAZOP certification	 Water stewardship assessment pre-production year Waste management assessment prior to production 	2024	6 CLEAN WAITER AND

Social



Focus areas	Achievements so far	Targets	Timeframe
Community engagement	Federal government support Local websites and hotline 'Show truck' roadshow Local presentations to councils & schools Interns program Nico Rosberg partnership	 Local info centres near exploration licenses to increase local support Increased educational programs for the benefits of geothermal heat and energy 'Girls in Science' scholarship program 	2023 annual 1 Noter 10 REMORB 11 SECTIONALE CITES 1 SECTIONALE CITES
Diversity and inclusion	Gender parity of Independent board Diversity Policy	 Gender & diversity recruitment process External validation of gender pay equality 	2022 2023 5 SORGE 10 HOUSE 10 HOUSE 16 MOSTROW RESIDENCE RESIDENC
Employee wellbeing	Online survey platform set up Employee Wellbeing Project Manager employed HR platform set up	 Constantly improving employee satisfaction rating Mental wellbeing training for executive team by Q4 Fully integrated internal training and development program by 2024 	annually benchmarked 2023 5 STREET 10 REXICUS 2024
Research & development	Innoenergy Global Battery Alliance ISO Lithium committee University research support	 Carbon credit verification for DLE Support university research & development programs 	2025 7 APPRIMATE OF STREET NOR AND COMMINISTRATION OF STREET NOR COMMINIST

Governance

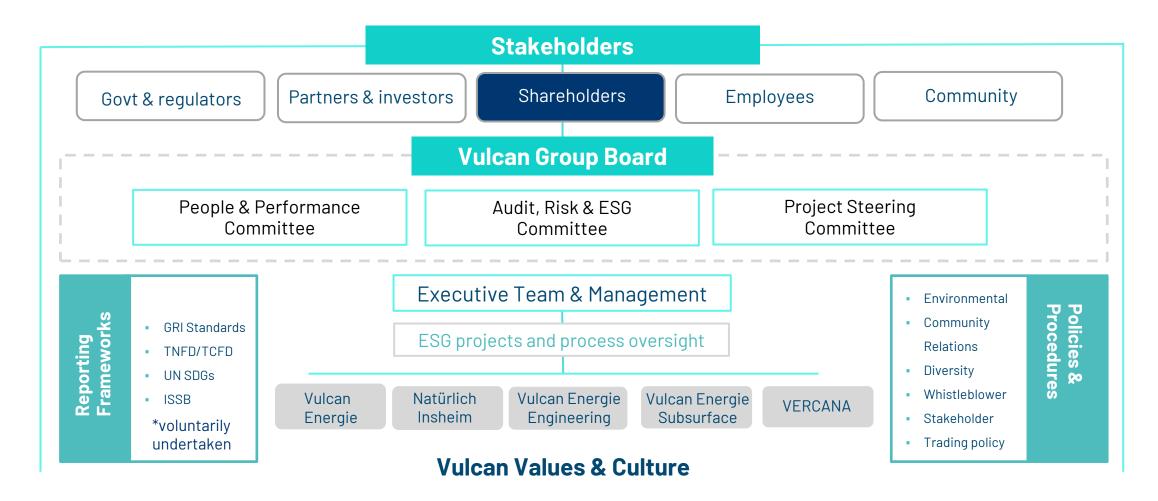


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Focus areas	Achievements so far	Targets	Timeframe	
ESG Risks	Independent Board appointed Audit Risk and ESG committee formed ESG Lead appointed Report to TCFD Engaged ESG consultants to assist with reporting	Climate risk forecasting & modelling	2022	
		Perform peer benchmarking	2022	13 CEMATE ACTION
		Report to TNFD as a first adopter alongside TCFD	2022	
		ESG Risk Rating from external body	2023	
		Targeting zero negative environmental incidents	annual	
Remuneration structure	Project milestone linked remuneration People and Performance committee formed	GRI Standards alignment	2022	13 CANATE 16 PEACE JUSTICE AND STRONG INSTITUTIONS STRONG INSTITUTIONS
		ESG linked KPI's for both Board and KMP's	2023	
Internal controls	360 Target Operating Model Process Management System Vulcan joins Lithium ISO standards committee	• Certification to ISO 14001:2015 & 9001	2022	9 MAISTERT INNOVATION AND INTERPRESSECTIONS
		Robust sustainable procurement system	2022	
		Targeting zero health and safety incidents	2023	
			annual	
Supply chain & value chain resilience	Circulor partnership UN Compact Membership Offtake Agreements with Volkswagen, Renault, Umicore, LG Group, Stellantis, MVV	Undertake supply chain risk analysis including environmental and modern slavery audit	2024	12 PERFORMENT TO PARTIMENSIONS ON COMMUNICATION TO PERFORM TO THE COLUMN
		Sustainable Procurement process	2022	∞ ⊗

Governance Framework



Good management and oversight of our ESG initiatives is a strong indicator of financial performance over the long-term. Vulcan are in the process of establishing our robust governance processes and controls this year.



Managing ESG risks

Vulcan recently completed a 360 Target Operating Model process with PwC to ensure internal structures and governance are robust, efficient and effective to ensure timely execution of our Zero Carbon LithiumTM Project and to maximise value for all stakeholders.



BOARD OVERSIGHT

ESG related risks and opportunities are overseen by the independently appointed Board, and specifically addressed within the Audit, Risk and ESG Committee, the People and Performance Committee and the newly formed Projects Committee.

Board meetings are held ten times a year, with committee meetings at least every quarter. Regular reporting to the Board includes a live ESG risk matrix assessment and forecasting.

MANAGEMENT'S ROLE

ESG responsibilities have been sub-divided and delegated amongst the management team with the Australian and German CFO's responsible for financial ESG related issues and the ESG Lead in charge of the development of Vulcan's ESG Strategy, Framework and Roadmap, as well as being the contact point for collaboration and third-party verification. Each of Vulcan's key management personnel (KMP's) are given responsibility for ESG matters as related to their role. KPI's are individualised and linked to each business unit to ensure accountability.



ESG Risk Matrix



Risk

Climate Resilience

Acute climate events could negatively affect operations, leading to the Company's inability to deliver results for investors and stakeholders.

Vulcan will undertake climate resilience analysis and disclose against both the TCFD and TNFD frameworks.

Mitigation

Modern Slavery

Inadequate auditing and assessment across the supply chain could result in unintentional negative impacts on vulnerable groups.

Vulcan has committed to the UN Global Compacts 10 Principles focussed on identifying, assessing and mitigating human rights impacts. The Company is employing a GM Procurement who, together with the ESG Lead, will be responsible for implementing the framework.

Environmental Management

Inability to implement robust frameworks, standards and procedures.

The Audit, Risk and ESG Committee overseas the implementation of environmental frameworks. ISO standards will also ensure continued management and accountability.

Staff Retention

High turn over of staff could lead to high levels of dissatisfaction, project delays and a toxic culture.

Vulcan is implementing robust HR procedures, including employee satisfaction surveys and exit interviews to measure and review workplace culture. Vulcan's Employee Wellbeing Strategy is focused on resilience, team culture and personal education.

Regulatory

State, Federal or International regulations and legislation that risks the development of the Zero Carbon Lithium Project.

Vulcan is committed to advocacy for all initiatives that support the decarbonisation effort. We utilize our significant scientific expertise to publicly support robust governmental policy that is positive for future generations.

Social acceptance

As with virtually any sort of new development especially for infrastructure projects, we expect some opposition – as has and has been seen with wind and solar in Germany.

This is normal and we will work to address these concerns. Vulcan has an experienced public relations team. We use geothermal industry best practice, and we have commenced community engagement in the various areas where we intend to develop projects.

HSEQ

Health and safety and environmental incidents and/or breaches of regulations could adversely affect our people, operations and reputation.

As Vulcan's operations across geothermal and lithium divisions expand, and as the Company progresses to the project construction phase, embedding a positive safety culture is critical.

Cyber Security

Intrusion into the company network of infiltration may lead to data theft, manipulation of data or potentially blocking of company operations.

We maintain a robust IT security framework and back-up data and infrastructure which provides resilience and recovery capability in the event of a system outage. We monitor and control access to sensitive and private information maintained within our key systems.

Supply Chain

Operational risks linked to supply chain resilience is on the rise, compounded by COVID-19 and other global events. Fragility within the system can cause financial lose, inefficiencies and exposure to future shocks.

Vulcan will continue to evolve our sustainable supplier process and procurement procedure. Risks are captured in our comprehensive risk matrix that is regularly maintained and reported to the Board.



Thank you

Media and Investor Relations

Germany

Beate Holzwarth
Chief Communication Officer
bholzwarth@v-er.eu

Australia

Jessica Bukowski PR & IR Manager jbukowski@v-er.eu

@VulcanEnergyRes|www.v-er.eu|info@v-er.eu

ASX:VUL

FSE:VUL



OFFICIAL PARTNER

