

Fast Facts

Issued Capital: 107,724,256
Market Cap (@\$8.26): \$890m

Vulcan admitted to the Global Battery Alliance

Summary:

- Vulcan has been accepted as a Member of the Global Battery Alliance (GBA), an umbrella partnership made up of 70 members working towards a sustainable battery value chain globally.
- Industry members include BMW Group, BASF, BP, Google, Renault Group, LG Chem, Umicore, Volkswagen Group and Volvo Group. Vulcan joins SQM and Wesfarmers as members from the lithium sector.
- The GBA follows ten guiding principles covering issues from the circular recovery of battery materials, ensuring transparency of greenhouse gas emissions and their progressive reduction, to eliminating child and forced labour.
- The GBA is also developing the Battery Passport, a global solution for securely sharing information and data to prove responsibility and sustainability to consumers with a "quality seal", while enabling resource efficiency across the battery life cycle.
- Vulcan will be participating in advancing projects and initiatives around battery materials traceability and transparency that will shape the industry.

Managing Director, Dr. Francis Wedin, commented: *"Vulcan is pleased to join the major industry, public institution and NGO members who form the Global Battery Alliance. Our goal is lithium production for the battery market with net zero greenhouse gas emissions, through our ZERO CARBON LITHIUM™ Project, but also by driving systemic change across the industry. As a member of the GBA, we look forward to working with our fellow members to shape this agenda, at this critical juncture in Earth's history as we aim to fundamentally change transportation and energy for the better."*

Highlights

Globally unique **Zero Carbon Lithium™** Project.

Combined lithium chemicals & renewable energy project in the Upper Rhine Valley of Germany.

EU's **largest** lithium resource.

Located at the heart of the EU Li-ion battery industry.

Fast-track development towards supplying the EU's battery & electric vehicle industry.

Corporate Directory

Managing Director
Dr Francis Wedin

Chairman
Gavin Rezos

Non-Executive Director
Ranya Alkadamani

Non-Executive Director
Annie Liu

Non-Executive Director
Dr Heidi Grön

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10 GBA Principles for a sustainable battery value chain

Establish a circular battery value chain as a major driver to achieve the Paris Agreement



- 1 Maximizing the productivity of batteries in their first life
- 2 Enabling a productive and safe second life use
- 3 Ensuring the circular recovery of battery materials

Establish a low-carbon economy in the value chain, create new jobs and additional economic value



- 4 Ensuring transparency of greenhouse gas emissions and their progressive reduction
- 5 Prioritizing energy efficiency measures and substantially increase the use of renewable energy as a source of power and heat when available
- 6 Fostering battery-enabled renewable energy integration and access with a focus on developing countries
- 7 Supporting high quality job creation and skills development

Safeguard human rights and economic development consistent with the UN Sustainable Development Goals

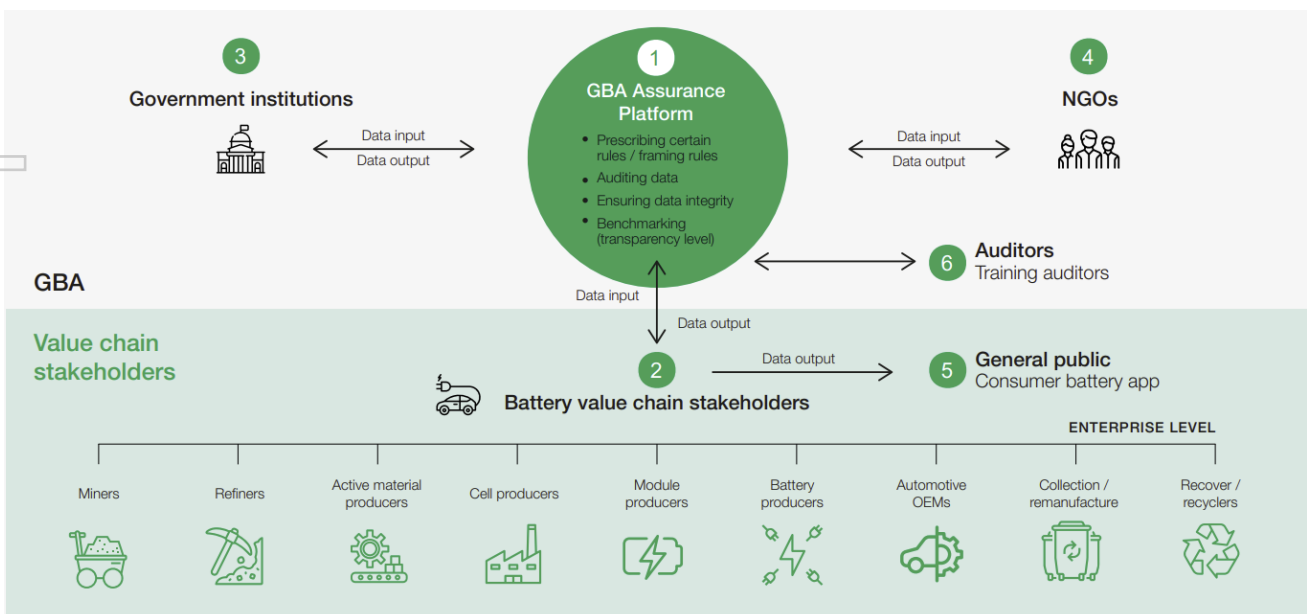


- 8 Immediately and urgently eliminating child and forced labour, strengthening communities and respecting the human rights of those employed by the value chain
- 9 Fostering protection of public health and the environment, minimizing and remediating the impact from pollution in the value chain
- 10 Supporting responsible trade and anti-corruption practices, local value creation and economic diversification

What is the GBA Battery Passport?

The Battery Passport is a digital representation of a battery that conveys information about all Environmental-Social-Governance (ESG) and lifecycle requirements based on a comprehensive definition of a sustainable battery. The Battery Passport will enable the following outcomes:

- Provide transparency in practices and impact of the battery along the value chain.
- Create a framework for benchmarking batteries against criteria by identifying those that are best and worst in class and providing minimum acceptable standards for a sustainable and responsible battery.
- Validate and track progress on the pathway to sustainable, responsible and resource-efficient batteries.





VULCAN ENERGY ZERO CARBON LITHIUM™

About Vulcan

Vulcan is aiming to become the world's first lithium producer with net zero greenhouse gas emissions. Its ZERO CARBON LITHIUM™ Project will produce a battery-quality lithium hydroxide chemical product from its combined geothermal energy and lithium resource, which is Europe's largest lithium resource, in Germany. Vulcan's unique, ZERO CARBON LITHIUM™ Project will produce both renewable geothermal energy, and lithium hydroxide, from the same deep brine source. In doing so, Vulcan will address lithium's EU market requirements by reducing the high carbon and water footprint of production, and total reliance on imports. Vulcan aims to supply the lithium-ion battery and electric vehicle market in Europe, which is the fastest growing in the world. The Vulcan Zero Carbon Lithium™ project has a resource which can satisfy Europe's needs for the electric vehicle transition, from a source with net zero greenhouse gas emissions, for many years to come.



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For and on behalf of the Board

Daniel Tydde

Company Secretary

For further information visit www.v-er.eu

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Competent Person Statement:

The information in this report that relates to Mineral Resources is extracted from the ASX announcement made by Vulcan on the 15 December 2020, which is available on www.v-er.eu. The information in this presentation that relates to the Pre-Feasibility Study for the Vulcan Lithium Project is extracted from the ASX announcement "Positive Pre-Feasibility Study", released on the 15th of January 2021 which is available on www.v-er.eu. The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements and that all material assumptions and technical parameters underpinning the estimates in the relevant market announcements continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcements.