

Fast Facts

Issued Capital: 123,606,179
Market Cap (@\$12.95): \$1.6b

Vulcan secures site for its planned commercial lithium hydroxide plant

Highlights

- Vulcan Energy Resources Limited (Vulcan; ASX: VUL) has signed an agreement with chemical park management company Infracore, to secure a site for its planned Central Lithium Plant (CLP) of its ZERO CARBON LITHIUM™ Project, at the Höchst Chemical Park (Industriepark Höchst), located just outside of Frankfurt.
- Höchst is one of Europe's largest chemical sites and hosts more than 22,000 personnel and 90 companies including Nobian, Clariant, Sanofi and Celanese.
- The CLP is intended as a processing hub, processing lithium chloride from multiple combined geothermal and lithium sorption plants into lithium hydroxide monohydrate.
- From the CLP, the lithium hydroxide monohydrate is intended to be transported to Vulcan's European customers in the battery and electric vehicle industry, dramatically lowering the transport footprint of the current lithium supply chain.
- The Höchst site features key advantages for the project including:
 - proximity to Vulcan's project areas where the integrated geothermal and sorption operations are proposed to be built;
 - multiple low carbon transport modes available (barge, train);
 - availability of renewable power onsite; and
 - the required space and utilities for future phased expansion of the CLP.
- Vulcan will be working with a dedicated team going forward to obtain necessary permits in the chemical park for the CLP construction and operation.

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

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Chairman
Gavin Rezos

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Dr Horst Kreuter

Non-Executive Director
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Non-Executive Director
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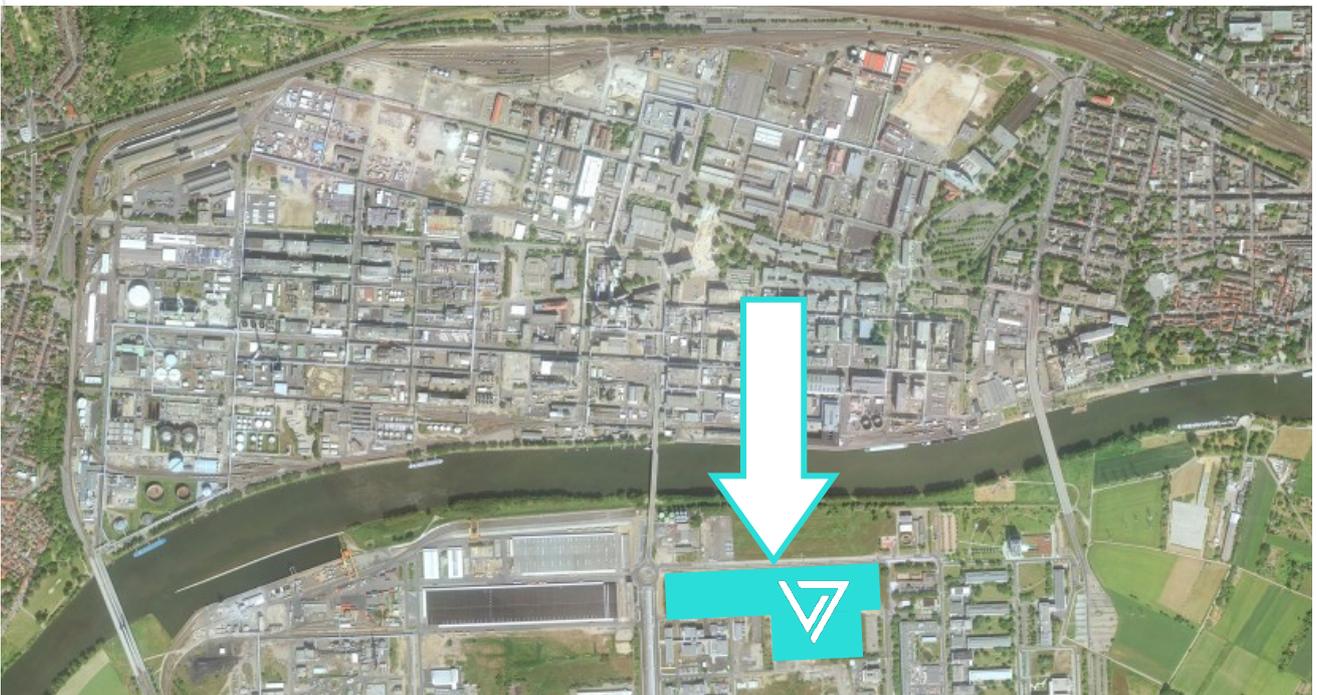
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Vulcan Managing Director, Dr. Francis Wedin, commented: *“Securing a site for the Central Lithium Plant is an important step toward the execution of the Zero Carbon Lithium™ Project. Importantly, the location allows for low carbon transport options from our nearby project areas, as well as renewable energy to power the proposed plant, which underpins our commitment to minimising our carbon footprint in each step of our process. This follows on from the first production of battery quality lithium hydroxide from our pilot plant, announced on 27th September.”*





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 intends to 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 aims to produce both renewable geothermal energy, and lithium hydroxide, from the same deep brine source. In doing so, Vulcan intends to 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.



For and on behalf of the Board

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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.