

Lithium Process Expert Dr Stephen Harrison appointed as Chief Technical Officer

Highlights:

- Vulcan has appointed Lithium process expert, Dr. Stephen Harrison, as Chief Technical Officer (CTO).
- Dr. Harrison has a diverse multi-industry background in electrochemistry and lithium extraction, with thorough knowledge of all steps of industry process/product commercialisation in the lithium industry dating back to 1998.
- Dr. Harrison was CTO of Simbol Materials for seven years (2008-2015), where he led the scientific and engineering teams through a rapid process development, taking less than one year to develop a process to extract lithium from geothermal brine, which is today recognised as the lowest cost production method to lithium hydroxide.
- As CEO of Rakehill Technology LLC, Dr. Harrison has since consulted to the lithium industry on various lithium extraction technologies including sorbents.
- Dr. Harrison holds a PhD Chemical Engineering from the University of Newcastle-upon-Tyne and Master of Science (M.Sc.), Electrochemical Science, from the University of Southampton.
- Dr. Harrison will be re-locating from California to Germany to lead Vulcan's chemical engineering and chemistry teams at Vulcan's Zero Carbon Lithium™ Project.

Managing Director, Dr. Francis Wedin, commented: *"With Stephen joining us as CTO, we welcome one of the world's leading experts in lithium extraction from geothermal brines, and a wealth of experience in the lithium industry, to lead our lithium team in Germany. We extend a warm welcome to Stephen and look forward to building our Zero Carbon Lithium Project™ together, at this critical juncture for truly sustainable battery raw materials supply into Europe."*

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

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Non-Executive Director
Ranya Alkadamani


Non-Executive Director
Annie Liu

Non-Executive Director
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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.



For and on behalf of the Board

Robert Ierace

Chief Financial Officer - 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.