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"Sustainable Lithium Economy (Nachhaltige Lithiumwirtschaft)": ITEL – German Lithium Institute Publishes Anthology and provides an update on Research Status

In May 2024, the German ITEL (Institute for Technologies and Economics of Lithium) —an affiliated institute at Martin Luther University Halle-Wittenberg— published its first comprehensive research presentation. The anthology "Sustainable Lithium Economy" gathers scientific papers summarizing the research of ITEL's employees from 2021 to 2023. Their contributions span economics, technology, raw material geology, and law, showcasing the research work of the institute's three departments: Green Hydrogen, Resources and Recycling, and Materials Economics.

Specifically, the anthology covers topics such as the occurrence and extraction of lithium-containing minerals, circular lithium refining, the importance of the digital twin for the lithium circular economy, by-product value creation, and recycling methods for battery lithium. It also extensively addresses topics like ESG corporate rating, life cycle assessment, and legal certainty in the global lithium economy, offering a rich and diverse overview of ITELs' work.

According to Prof. Dr. Dr. h.c. Ulrich Blum, Managing Director of ITEL, this collection provides a holistic overview of essential research on critical issues related to the development of the lithium industry, thereby filling a gap in the current literature.

Mirco Wojnarowicz, VP Business Development at ITELs' shareholder Rock Tech Lithium Inc., highlights the research's practical significance: "ITELs' research forms the scientific basis on which we build some of our most innovative concepts. For instance, it validates the suitability of our Alumosilicate as a cement additive and supports us and our partners in the industry in bringing our solutions to an industrial scale. This validation is a decisive step forward in our strategy for CO₂ neutrality and becoming a zero-waste company. As a founding member of the ITEL, Rock Tech is very pleased that these and other research findings are now accessible to a broader audience, hopefully supporting the industry's path towards true sustainability."

Prof. Dr. Ralf Wehrspohn, Managing Director of ITEL, adds: "The anthology presents the current techno-economic status of lithium technologies and the lithium economy in Germany and Europe on over 300 pages. It has been produced over the last three years in close collaboration with our shareholders and is a must-read for anyone interested in the German and European lithium economy."

The German Lithium Institute's anthology "Nachhaltige Lithiumwirtschaft" has been published in German, comprises 307 pages and is now available through ITEL's publishing house. For more information and to order a copy, visit <https://t1p.de/7tyzj>.

About the German Lithium Institute

Founded in September 2021, the privately-run research institute for Technologies and Economics of Lithium (ITEL) – German Lithium Institute GmbH supports the development of an interdisciplinary, CO₂-neutral circular economy for lithium in Germany. The transition to electromobility is making Germany a central location for battery production in Europe and, thus, also for the production of the crucial precursor lithium hydroxide. The institute's work focuses on the circular use and economic valorization of by-products from lithium processing and the development of techno-economic solutions for CO₂-neutral and ESG-compliant industrial value creation in Germany.

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About Rock Tech Lithium Inc.

Rock Tech's vision is to supply the electric vehicle battery industry with sustainable, locally produced lithium, targeting a 100% recycling rate. To ensure resilient supply chains, the company plans to build lithium converters at the doorstep of its customers, beginning with the Company's proposed Lithium Hydroxide Converter in Guben, Germany. The second Converter is planned to be built in Red Rock, Ontario, Canada. Rock Tech plans to source raw material from its own Georgia Lake spodumene project in the Thunder Bay Mining District of Ontario, Canada, and procure from other ESG-compliant mines. Ultimately, Rock Tech's goal is to create a closed-loop lithium production system. Rock Tech has gathered one of the strongest teams in the industry to close the most pressing gap in the clean mobility story. The Company has adopted strict environmental, social and governance standards and is developing a proprietary refining process to increase efficiency and sustainability further

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