

Can the Democratic Republic of the Congo produce lithium-ion battery cathode precursor materials?

London and Kinshasa, November 24, 2021 - The Democratic Republic of the Congo (DRC) can leverage its abundant cobalt resources and hydroelectric power to become a low-cost and low-emissions producer of lithium-ion battery cathode precursor materials.

What is Group1 battery technology?

Group1 is a battery technology and engineered material company. Potassium-ion batteries (KIB) are the domestic, credible alternative to LFP-based Lithium-ion batteries (LIB). But they are bottlenecked chiefly by the lack of high-quality, engineered cathode active material.

Is DRC a good destination for sustainable battery manufacturing?

Study identifies DRC as a favorable destination for the manufacturing of sustainable battery materials used in high-nickel batteries

Should lithium-ion batteries be expanded to DRC and Africa?

"As substantiated by the BloombergNEF report, the prospect of the expanding the value chain of development of lithium-ion batteries and electric vehicles value chains to DRC and Africa is both financially and environmentally appealing," commented Dr. Sidi Ould Tah, Director General of the Arab Bank for Economic Development in Africa (BADEA).

Can Group1 commercialize potassium-ion batteries?

Group1 seeks to commercialize potassium-ion batteries [Share](#) [Share on Facebook](#) [Twitter](#) [Wechat](#) [Linked In](#) [Reddit](#) [Email](#) [Matt Blois](#) C&EN, 2022, 100(27), p 11 August 8, 2022 Cite this: C&EN 100, 27, 11 Abstract

How much cobalt does the DRC produce?

"The DRC produces about 70 per cent of global cobalt but captures just 3 percent of the battery and electric vehicle value chain.

"The DRC has set a goal to become one of the world's largest battery producers around 2030 or 2040," he says. At the conference, there is also talk of Congo as a future producer of e-cars.

Determined to play a leading role in this global market, the Democratic Republic of Congo (DRC) is increasing its work on establishing an electric battery value chain. To this end, the Congolese Battery Council (CCB) in collaboration with ...

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Austin-based potassium-ion battery startup Group1 says its technology has comparable energy density to lithium iron phosphate (LFP), and that it is aiming for a large-scale launch of its product by 2027.

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