



# Where is the best place to produce batteries in the Democratic Republic of Congo

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.

Can special economic zones make battery precursors in DRC and Zambia?

A BloombergNEF study was commissioned to look into the feasibility of setting up Special Economic Zones to manufacture battery precursors in DRC and Zambia. It confirmed the project was technically feasible and financially viable, with an estimated total cost of \$2.7 billion.

Is Africa a good place to buy a battery?

Africa has a wealth of critical battery raw materials and is in a position to use these to attract more value-add in downstream processing and manufacturing."

How can Africa extend its access to the battery industry?

In so doing, the country and the rest of Africa can extend their access from the USD271 billion battery precursor segment to the more lucrative USD1.4 trillion combined battery cell production and cell assembly segments of the battery minerals global value chain.

Can Africa become a low-cost and low-emissions battery producer?

The country is thus uniquely positioned to become a low-cost and low-emissions producer of lithium-ion battery precursor materials and cells, says an African Development Bank report titled 'Strengthening Africa's Role in the Battery and Electric Vehicle Value Chain'.

Where are lithium ion batteries made?

Lithium-ion batteries dominate the EV market and represent about 49% of the global rechargeable battery market. Many of the minerals needed to produce them, including cobalt, lithium, manganese, nickel and graphite are available in the Democratic Republic of Congo, Zambia, South Africa, Madagascar, Mozambique, Tanzania or Gabon among others.

Kinshasa is the capital of the Democratic Republic of the Congo (DRC). Kinshasa is the DRC's central economic, political, and cultural hub. Kinshasa, the capital city of Democratic Republic of the Congo. Kinshasa is famous for its vibrant music scene, particularly its contribution to the Afro-Pop genre known as Congolese Rumba or Soukous. It ...

Cobalt is perhaps best known for its use in lithium-ion batteries. In 2020, 64% of world refined cobalt was



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consumed in the manufacture of batteries (Darton, 2021) spite decades of research to limit the need for cobalt in cathodes, ...

battery precursors in the Democratic Republic of Congo (DRC) and benchmark the cost to that of the U.S., China and Poland. In addition to the cost, the study assesses the emissions ...

In a report launched at the DRC-Africa Business Forum 2021 taking place this week in Kinshasa, BloombergNEF (BNEF) states that the Democratic Republic of the Congo (DRC) could leverage its...

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About 64 percent of cobalt, which is largely a by-product of copper and nickel production, originates in the Democratic Republic of Congo (DRC). 13 Ibid. While the share of cobalt in battery chemistry mix is expected to decrease, the absolute demand for cobalt for all applications could rise by 7.5 percent a year from 2023 and 2030. 14 Global Materials ...

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The DRC is home to around 60% of the second-largest rainforest on the planet, as well as much of the world's largest tropical peatland, the Cuvette Centrale.. While the country's land and forests are still a carbon sink overall, human ...

Growing demand for cobalt entails environmental, social and economic sustainability risks of cobalt mining, particularly artisanal and small-scale mining (ASM) in the Democratic Republic of the Congo (DRC). Many studies have raised the importance of motivating stakeholders to source cobalt responsibly. Through a systematic literature review, we ...

of the cobalt used in rechargeable batteries worldwide. Cobalt is critical for battery safety and stability, ensuring that cathodes do not overheat or catch fire while also helping extend the life of batteries. The Mutoshi formalization project was launched in January 2018 by a coalition that included agencies of the national and



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provincial DRC government; Chemaf, a Dubai-based ...

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Cobalt is a critical element in many lithium-ion battery technologies, which are used in most consumer electronics such as mobile phones and laptops; and more recently, in electric vehicles. Almost three-quarters of the world's cobalt is mined in the Democratic Republic of Congo (DRC).

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