

Lithium Energy Storage in Nigeria





Overview

Why is lithium important in Nigeria?

Lithium Deposits in Nigeria Lithium has become an important resource given its role in the global energy transition. It has become vital to accelerating the clean energy transition. Lithium-ion batteries are energy-dense, storing more energy in a given volume or weight.

What is the cost of lithium in Nigeria?

The cost of lithium in Nigeria is currently unknown. In 2002, lithium price was averagely US\$2,000 per metric ton, rising to US\$18,000 in 2018. The find in Nigeria simply points to the potential of Nigerian pegmatites for lithium resource. Full exploration will be necessary to determine the cost of lithium in Nigeria. The lithium supply chain involves converting lithium minerals to lithium concentrates and lithium hydroxides.

Where is lithium found in Nigeria?

Nigeria's lithium reserves. Exploration surveys commissioned by the Ministry of Mines and Steel Development (now Ministry of Solid Minerals Development) under the National Integrated Mineral Exploration Project (NIMEP) discovered significant lithium-bearing minerals in Kwara, Ekiti state, Ogun state, Nas.

Is there an economic deposit of lithium in Nigeria?

The search for economic deposits of lithium has to be targeted in these rocks. In Nigeria, lithium minerals (spodumene and lepidolite) are known to be associated with cassiterite, columbite-tantalite (coltan) and others in the extensive belt of rare metal-bearing rock types called pegmatite.



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