



Lithium ion energy storage Mali

When will goulamina lithium concentrate be produced in Mali?

The Goulamina lithium project in Mali is well into a 27-month development programme that will see first concentrate production in H1,2024.

What is the goulamina Lithium Project?

The Goulamina Lithium Project (Goulamina) is a spodumene project with development underway, located 50km west of Bougouni in Mali with all approvals and key permits received to bring the project into production. An updated Definitive Feasibility study (DFS) was completed in December 2021.

Is Kodal mining in Mali a lithium boom?

London mining company Kodal Minerals is fast-tracking its lithium mining in Mali having identified an estimated 17 million tonnes of potentially battery-grade reserves there. CEO Bernard Aylward discusses the lithium boom, open pit mining and managing risks in foreign jurisdictions.

How much lithium is in West Africa?

The high-grade lithium resource at the site is one of the largest in the world, with the mineral resource sitting at 108 Mt at 1.45% Li₂O and the mineral reserve at 52 Mt at 1.51% Li₂O. "In respect of lithium, we're definitely first out of the starting gate in West Africa," says Hay.

Where does lithium come from?

Lithium is found in various naturally occurring sources, including brine deposits, hard rock minerals such as spodumene and petalite, and clay deposits. A 50/50 joint venture with Leo Lithium and Ganfeng, the Goulamina Lithium Project in Mali is West Africa's first spodumene producer to supply the booming lithium-ion battery industry.

Does Africa have a lithium resource?

The continent of Africa has significant natural lithium resources, which may provide an opportunity for many African nations to contribute the increase in demand whilst also supporting economic growth (Goodenough et al., 2021). The three top lithium reserves are found in Zimbabwe, Namibia and the DRC (Fig. 9).

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4 · Global battery giants have been battling for stakes in lithium projects under development in Zimbabwe and Mali. Now they have set their sights on one run by Atlantic Lithium in Ghana. The British junior has hired consultants to help it scrutinise the offers it is getting.



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Located 195 km by road south of Bamako, Mali's capital, Goulamina will be the first hard rock lithium mine in West Africa and will rank as one of the world's largest spodumene projects, with a forecast annual production of spodumene concentrate of 506 000 tpa in Stage 1, rising to 831 000 tpa under Stage 2.

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6 · China's leading lithium producer, Ganfeng Lithium, kicked off the first phase of its Goulamina lithium project in Mali on Dec. 15, expanding its fo

Lithium storage with a total capacity of 3 megawatt hours (MWh) creates a reliable power supply for 250,000 people in Mali. Get the lowdown!

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2 · Once in production, the Bougouni project will become the first lithium mine in Mali, with estimated annual spodumene concentrate production of 125,000 tonnes during its first stage.

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Lithium is primarily used in the manufacturing of lithium-ion batteries, which are essential for powering various electronic devices, such as smartphones, laptops, and tablets. Additionally, lithium-ion batteries are crucial for electric vehicles (EVs) and energy storage systems that support renewable energy sources like solar and wind power.

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