

Will Northvolt build a lithium conversion plant in Portugal?

With electric vehicle (EV) sales surging across Europe, Swedish battery manufacturer Northvolt announced April 13 its intent, together with Lisbon-based multinational energy conglomerate Galp Energia, to construct a massive lithium conversion plant on Portugal's southern coast.

Why did Volkswagen build a lithium refinery in Setubal?

The refinery's home in Setubal is ideally placed, the team says, because of its proximity to both a major port and rail and road links in the city, allowing the easy transport of lithium in and out of the site. Volkswagen also ships cars from Setubal, so much of the infrastructure was already there.

Why is a lithium refinery being built in Portugal?

Portugal has the largest proven reserves of lithium in Europe, which is why Aurora is there. The refinery will use Portuguese lithium as well as foreign imports from places like Australia (which, the company acknowledges, will contribute to the CO2 emissions associated with the venture).

How many tons of lithium are there in Spain & Portugal?

The companies believe the area, home to 300,000 and 270,000 tons of respective lithium reserves in Spain and Portugal, offers the necessary tools to extract, concentrate, and convert the mineral with a limited footprint.

Does Northvolt have a sustainable battery plant?

As part of the agreement, Northvolt will secure an offtake for up to 50% of the plant's capacity for use in its battery manufacturing. The JV partners are unwavering on driving the highest standards of sustainability, notably in the extraction and concentration of spodumene, the processing of lithium hydroxide, as well as in all related processes.

How much lithium can Northvolt produce a year?

The plant will be able to deliver lithium hydroxide sufficient for 50 GWh of battery production per year (sufficient for approximately 700,000 electric vehicles). As part of the agreement, Northvolt will secure an offtake for up to 50% of the plant's capacity for use in its battery manufacturing.

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With the recently introduced Qilin battery and promising new Shenxing batteries, expect the battery maker to consolidate its share and remain in the lead through 2024, and even for years after that.

Lisbon Vanadium Battery Production Company

The 50-50 joint venture called Aurora will target annual production of 35,000 tonnes of battery-grade lithium hydroxide, enough for 50 GWh of battery capacity, which could power about 700,000...

Vanitec is a technical/scientific committee bringing together companies in the mining, processing, research and use of vanadium and vanadium-containing.

It's dubbed Aurora, and is owned 50/50 by the two companies. From late 2025, it should be producing 52k tonnes of battery-ready lithium hydroxide a year -- enough to produce the batteries needed to replace 650k combustion vehicles annually, the company says.

Galp and Northvolt have agreed to set up a joint company, Aurora, that aims to become a steppingstone for the development of an integrated lithium-battery value-chain ...

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Portuguese oil company Galp and Swedish battery maker Northvolt announced on Tuesday a joint venture to invest EUR700-million to build a lithium ore processing plant in Portugal, which should...

TONBRIDGE, UNITED KINGDOM, 8 August 2019. The global renewable energy market is anticipated to grow significantly to around \$1.5 billion by 2025 as most countries commit to reducing their greenhouse gas emissions that significantly impact the environment, this is according to Allied Market Research's Renewable Energy Market Outlook - 2025.

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With the main goal of establishing Europe's largest and most sustainable integrated lithium conversion plant, the JV will develop a plant set to have an initial annual production capacity of up to 35,000 tons of battery-grade lithium hydroxide - a critical material required by the lithium-ion battery manufacturing industry, which is expected ...

Galp and Northvolt have agreed to set up a joint company, Aurora, that aims to become a steppingstone for the development of an integrated lithium-battery value-chain aligned with Portuguese and European ambitions.

Bushveld Minerals, a R1.5bil vanadium minerals company, producing ~4% of global vanadium here in SA;

Lisbon Vanadium Battery Production Company

oExclusively focusing on vanadium redox flow battery technology, including marketing and project development; oIn process of delivering a 450kWh into Eskom's RT& D facility; oObjective is to establish a global VRFB supply chain in SA, starting with vanadium electrolyte. ...

European battery supplier Northvolt and energy company Galt have announced they will be working together to create a joint venture (JV) company called Aurora, which plans to develop the largest and most sustainable lithium plant in Europe.

Once Quino achieves commercial production, Beh says the company's organic flow battery will be more attractive than lithium-ion batteries in 8-hour to 24-hour storage applications typical of grid and large industrial ...

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