



Mauritius basquevolt battery

Is basquevolt developing a solid-state battery?

Basquevolt reports progress in the development of its solid-state battery cells. Before the end of this year, Basquevolt's research and development centre is expected to produce the first 20 Ah cells suitable for use in electric vehicles.

Will basquevolt reduce its cost compared to today's lithium-ion batteries?

Basquevolt is talking about a potential cost reduction of 30 per cent compared to today's lithium-ion batteries. Basquevolt was only founded last year and is already planning to start mass production of solid-state cells at its future 1 GWh capacity plant by the end of 2025.

Why are batteries made in the Basque Country?

In sum, the batteries made in the Basque Country will offer greater energy density at a lower cost, which will allow for the manufacture of vehicles with greater range and a lower price. These are the two key elements necessary to guarantee a "comfortable" transition from fossil-fuel vehicles to electric ones.

Where is basquevolt based?

Basquevolt was only founded last year and is already planning to start mass production of solid-state cells at its future 1 GWh capacity plant by the end of 2025. The plant is located in Vitoria-Gasteiz, the seat of government and the capital city of the Basque Country and the province of Álava in northern Spain.

What is the basquevolt project?

Nevertheless, given how important and interesting this news is, we had to share it. The Basquevolt project, which expects an investment of EUR700 million, got started two years ago in secret, and its main goal is setting up a production line to make solid-state batteries by 2027.

Who is basquevolt backed by?

Basquevolt is backed by a strong group of shareholders. Major industrial players in the energy and automotive sectors, together with the Basque Government. We are looking for talented people with experience in battery technology to share our ambition to build a sustainable world.

Die Initiative „Basquevolt“ zur Erforschung und Produktion von Festkörperlithium-Ionen-Batterien soll in vier Jahren die erste Produktionslinie betreiben.

Basquevolt, the Basque initiative for the production of solid-state batteries, is launched with the aim of producing 10GWh by 2027. 10/06/2022 The founding consortium of investors in the project, promoted by the Basque Government, includes Iberdrola, CIE Automotive, Enagasa, EIT InnoEnergy, and CIC energigUNE, whose research has facilitated ...

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Wh/l and 450 Wh/kg), while significantly reducing overall battery pack costs. BASQUEVOLT battery cells can be produced through a more efficient less complex process, creating a 30% reduction in the capital investment needed per GWh in a gigafactory and 30% less energy used per kWh produced, compared to lithium-ion batteries.

The key differentiating technology developed by Basquevolt is a new family of battery polymer electrolytes and its integration with new cathode and anode chemistries. They are based in more than 10 patents, numerous industry secrets and know how that was originally developed by Professor Michel Armand and his research group at the CIC ...

Basquevolt's prototype plant for manufacturing solid-state batteries in Spain. Image: Basquevolt. ... (CIS) tender round in Australia successfully awarded 3.5GWh of co-located battery energy storage systems ...

The company has started the 3rd party testing and the delivery of its first 20Ah pouch cells to selected strategic partners and potential customers. This milestone validates BASQUEVOLT's breakthrough lithium metal cell technology and its groundbreaking energy density (450 Wh/kg with NMC and 300 Wh/kg with LFP), while at the same time bringing a significant cost reduction ...

BASQUEVOLT launches its "Cell Sample Manufacturing Plant (A-Sample)" for next generation batteries. This "A- Sample Line" has managed to produce the first 20Ah cells and is expected ...

BASQUEVOLT, the Basque solid-state battery initiative, will begin production of battery cells in 2027 with the aim of reaching a capacity of 10GWh. This is one of the main objectives set out ...

In this sense, the future solid-state battery factory that will be located in the Basque Country with an investment of 700 million will generate the project called Basquevolt, which plans to start the production of battery cells in four years to reach the construction of a volume of equipment in 2027 equivalent to the generation of 10 GWh.

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BASQUEVOLT, a specialist in solid-state technology for mobility and stationary energy storage applications, backed by EIT InnoEnergy, the innovation engine for sustainable energy supported by the European Institute of Innovation and Technology, an institution of the European Union, has revealed its research and development centre will deliver 100% ...

BASQUEVOLT is an ambitious project focused on the production of solid state cells that aims to be a reference gigafactory in Europe in this type of batteries with an estimated production of 10GWh in 2027.. In line with the European Battery Strategy, driven by Commissioner Maros Sefcovic, BASQUEVOLT will work



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with other European partners to accelerate the ...

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Fives Group, Basquevolt and Hynn Technology join forces to design an innovative solution in the finishing of solid-state batteries that the Vitoria-based company plans to launch to the market in 2027.. In its search for international alliances with the best experts in the industry, Basquevolt has signed this collaboration agreement with both multinationals to design, test and develop an ...

BASQUEVOLT, the Basque solid-state battery initiative, will begin production of battery cells in 2027 with the aim of reaching a capacity of 10GWh. This is one of the main objectives set out in the BASQUEVOLT's articles of association, in which the Basque Government, Iberdrola, CIE Automotive, Enagás, EIT InnoEnergy, and CIC energiGUNE ...

Telefónica and Siemens digitalise Basquevolt´s solid-state battery cell prototyping plant. Basquevolt will evaluate various digitalisation processes related to the production of solid-state lithium batteries, providing the plant with the best technological solutions. Telefónica an...

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Telefónica and Siemens are to provide Spanish battery manufacturer Basquevolt with the "best technological and connectivity solutions" to launch a new "prototyping line" at its plant in Vitoria-Gasteiz, the capital of the Basque Country region in northern Spain. The project specifies an ultra-fast and highly secure industrial network ...

The plant, whose construction began in the summer of last year, is already operational and has state-of-the-art machinery for the manufacture of battery cells, which has enabled it to produce ...

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A new generation of solid polymer composite and semi-solid electrolytes has resulted from a decade of research by Prof. Michel Armand, one of the fathers of modern lithium battery development. The research team led by Professor Armand has been able to improve the composite polymer electrolytes (technology he discovered in 1978) and solve the ...

The inauguration of the "Basquevolt Innovation Center CIB" is a further milestone reached in the roadmap to design the Basquevolt cell, which will be able to potentially reduce the cost of the battery by 30%, increase the energy storage capacity by 50% and extend the range of the electric vehicle from 500 to 750 kilometres.

Basquevolt's prototype plant for manufacturing solid-state batteries in Spain. Image: Basquevolt. ... (CIS) tender round in Australia successfully awarded 3.5GWh of co-located battery energy storage systems (BESS) as renewables-plus-storage projects. Germany: Nofar Energy claims first physical fixed-price toll for BESS in Continental Europe ...

Schneider Electric, Basquevolt and the Catalan company COMEXI will collaborate in the development of high-precision machinery for finishing batteries, thus contributing significantly to strengthening the European supply chain against major Asian competitors.. This is an agreement reached within the framework of the UPCELL alliance (European Battery Manufacturing ...

June 23, 2023: Basquevolt, the solid state lithium battery developer and manufacturer, inaugurated its innovation center in mid-June in an official ceremony presided over by the ...

A spokesperson said solid state lithium technology can "reach a high energy density -- 1,000Wh/l and 450Wh/kg) -- while reducing overall battery pack costs. "Basquevolt battery cells can be produced through a more efficient, less complex process, creating a 30% reduction in the capital investment needed per GWh in a gigafactory and 30% ...

In its quest to attract the best talent in the battery industry and establish collaboration frameworks with prestigious partners and institutions worldwide, Basquevolt has met this week with representatives of the Japan External Trade Organization - JETRO and the multinational HITACHI.. The Milano-based company has two important milestones in 2023: the start-up of ...

Basquevolt's technology will enable the mass deployment of electric transport, stationary energy storage and advanced portable devices. 10/06/2022 Basquevolt, the Basque solid-state battery initiative, will begin production of battery cells in 2027 with the aim of reaching 10GWh capacity, after its creation was signed today. This is one of the

BASQUEVOLT to start delivering the first cells to global automotive and aviation players in order to accelerate the transition towards lighter and more affordable batteries ... an element that makes the company unique in the battery technology manufacturing sector. 05 Apr 2024. Basquevolt 20Ah cell reaches milestone



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with more than 450Wh/kg ...

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Basquevolt, a Basque initiative with the ambition to become a European leader in solid-state batteries, was launched on Friday with its backers including the Basque government, through venture capital fund Ezten, and Spanish utility Iberdrola SA (BME:IBE). ... The solid-state battery technology is said to be becoming the strategic focus of the ...

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