

Is basquevolt a solid-state battery?

Basquevolt, the Basque initiative to make solid-state batteries, has been introduced. It's expected to have a production capacity of 10 GWh by 2027

What is basquevolt?

BASQUEVOLT. BASQUEVOLT aims to become the European leader in the next generation of solid-state lithium batteries. Our technology will make possible the mass deployment of electric transportation, stationary energy storage and advanced portable devices.

Could basquevolt be Europe's first solid state battery Gigafactory?

Basquevolt, Europe's first solid state battery gigafactory, is a huge challenge yet an even bigger opportunity, says Basque energy storage research institute head Nuria Gisbert. Last Updated on Dec 3, 2023 by About Basque Country Lagun Iezaguzu aboutbasquecountry.eus mantentzen!

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.

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.

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 ...

Basquevolt 20Ah cell reaches milestone with more than 450Wh/kg energy density The new assembled cell paves the way for safer, higher-performance battery technology. In just nine months the company has gone from assembling 1Ah ...

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 ...

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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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 ...

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 ...

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 ...

Telefonica 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 ...

Cuando Basquevolt ya disponga de la celda de 80 Ah. validada y verificada por los clientes, podr  lanzar una primera fase de industrializaci n, que estar  lista para comercializar en 2027 ...

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 ...

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 with more than 450Wh/kg ...

En total, Basquevolt está invirtiendo cerca de 40 millones de euros en su tecnología, cuya filosofía, asegura Carranza, forma parte de la que debe ser la estrategia de nuestro país en la lucha ...

Basquevolt participates in the 1st UPCELL Annual Meeting. The annual meeting of the European Battery Alliance UPCELL, held at the Opera House in Copenhagen, has brought together nearly a hundred European "actors" of the battery sector (companies, associations, universities, and regional and national governments) in an event that welcomed the new members of the Alliance.

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 Maro? ?ef?ovi?, BASQUEVOLT will work with other European partners to accelerate the ...

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