

Will Basque volt become a European benchmark for solid-state batteries?

After two years of intense and highly confidential work, BASQUEVOLT now represents a reality that will make the Basque Country a European benchmark in the development of solid-state batteries.

What makes basquevolt a leader in solid-state batteries?

Thanks to its technological expertise, BASQUEVOLT aims to become the European leader in solid-state batteries.

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.

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.

What technologies will basquevolt develop?

Basquevolt will initially develop technologies that include the patented polymer electrolyte compound and an anode with a high silicon content, which will help solve some of the challenges of solid-state batteries. The technologies to be applied by 10 CIC energiGUNE patents that have been licensed to Basquevolt as part of the launch.

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.

Basquevolt, a company with 20Ah and 80Ah batteries, is planning to start mass production of solid-state cells at its future 1 GWh capacity plant by the end of 2023.

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 ...

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 ...

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 ...

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 Basque solid-state battery initiative has announced the creation of "Basquevolt" to pioneer production of solid-state battery cells in the autonomous Spanish-French region in Western Europe. Basquevolt solid-state battery ...

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 ...

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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 ...

o 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, 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 ...

BASQUEVOLT aims to become the European leader in the next generation of solid-state lithium batteries, as specified in the list of 50 Leading companies of the year 2023 by the silicon review.

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 the Basque Country region in northern Spain. The project specifies an ultra-fast and highly secure industrial network ...

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 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 to be able to manufacture 80Ah cells by the end of ...

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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