

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.

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.

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 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.

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.

Noticias relacionadas. Carranza (Basquevolt): "No tenemos competidores en Europa. Nuestra carrera está en China y EEUU" Hay dos secretos que Francisco Carranza, CEO de Basquevolt, guarda bajo llave. Uno es la "receta" que se sustenta el electrolito, la base de la batería en estado sólido. El otro es a quién, o a quienes, pretende vender en ...

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 this year. The plant was built in just 8 months, covers 4,500m² and has the capacity to

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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 ...

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 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 ...

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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 ...

Basque solid state battery initiative launched. Basquevolt, an initiative of the Basque government with founder investors the energy companies Iberdrola and Enagás, industrial group CIE Automotive and research organisations EIT InnoEnergy and CIC energigUNE, plans the development of prototype cells and the commissioning of a pilot ...

In cooperation with the CIC energigUNE, its advanced research partner, the company has been testing its first multilayer cells since last April, demonstrating that its technology can reach a very high energy density (1,000 Wh/l and 450 Wh/kg), while significantly reducing overall battery pack costs. BASQUEVOLT battery cells can be produced ...

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 Miñano-based company has two important milestones in 2023: the start-up of ...

Schneider Electric, Basquevolt and the Catalan company COMEXI will collaborate in the development of high-precision machinery for finishing batteries, thus contributing significantly ...

The company has started the 3 rd 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 ...

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.

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...

BASQUEVOLT comienza a entregar sus primeras celdas a fabricantes mundiales de automoción y aviación acelerando la transición hacia baterías más ligeras y asequibles La empresa ha comenzado tests con terceros, así como iniciado la ...

The almost 40 company workers have already opened their official headquarters in the new Basquevolt Building, known as the Epsilon Building for the last decade. The new offices, which ...

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