

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 Telefónica & Siemens connect basquevolt's new battery prototype plant?

Telefónica and Siemens will provide corporate (IT) and operational (OT) connectivity to Basquevolt's new battery prototype plant. This is a pioneering project in Europe in the manufacture of solid-state lithium battery cells, unique in Europe in terms of technology.

What will basquevolt do?

Basquevolt will evaluate various digitalisation processes related to the production of solid-state lithium batteries, providing the plant with the best technological solutions. Telefónica and Siemens will provide corporate (IT) and operational (OT) connectivity to Basquevolt's new battery prototype plant.

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 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.

How can basquevolt battery cells reduce battery pack costs?

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

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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.

The past Tuesday 8th of August, Basquevolt began the construction works of their prototype zone; whose purpose will be to serve as a place where their state of art batteries will be assembled and readied for usage. ... To have the first battery cells meant for automotive applications in the first quarter of 2025 and make possible the mass ...

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 is located in Alava and aims to become the European leader in solid state battery technology by leveraging its proprietary composite electrolyte that results from more than 10 ...

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 house 80 ...

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. ... The Cell Test Technician is responsible for P erform battery testing and measurements using ...

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.

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 ...

Undoubtedly, this new prototype manufacturing plant for our battery cells brings us one step closer to achieving our ultimate goal: to contribute to a real and sustainable decarbonisation for all". A production process that ...

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 ...

Basquevolt participated this Wednesday 5th of July in the second edition of the Green Cities Forum 2023,

Basquevolt battery Seychelles

celebrated in commemoration of the naming of Vitoria-Gasteiz as a Green Capital. The company was represented by Engineering Manager of the ...

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 ...

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 ...

BASQUEVOLT - officially launched on 10 June 2022 - is a company committed to developing sustainable, safer, and competitive solid-state battery technology with the best resources and cells for electric vehicles, ...

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. The production capacity ...

The BASQUEVOLT Board of Directors met today for the first session of the year for the presentation of 2023 Strategic Plan with the main growth milestones expected for the coming months. Among them, the opening of the new R& D Center next April is particularly relevant for the company will be located in the former building of the Basque Formula 1 project, Epsilon ...

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 ...

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 ...

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 ...

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, Enagás, EIT InnoEnergy, and CIC energiGUNE, whose research has facilitated ...

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.

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 president of the Basque government, Iñigo ...

Reinforcing battery industry in Europe and beyond! Last week our CEO, Francisco Carranza, CTO, Pablo Fernandez-Santos, and Head of Partnerships, Nicolas BOZEK, assisted the upcell Alliance Paris Event celebrated at the Musée des Arts et Métiers in a conference that highlighted the power of partnerships in boosting local capacities, innovation, and skills within the battery ...

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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 all ...

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