

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.

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 is Basque volt?

BASQUEVOLT, the Basque solid-state battery initiative, will begin production of battery cells in 2027 with the aim of reaching a capacity of 10GWh.

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 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.

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.

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 participa en la reunión anual de la Alianza Europea de Baterías UPCELL celebrada en el Opera House de Copenhague, para dar la bienvenida a los nuevos miembros de la Alianza, debatir sobre las últimas innovaciones en almacenamiento de energía y seguir atrayendo talento a la cadena de valor de la batería en Europa.

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.

BASQUEVOLT pone en marcha su "Planta de Fabricaci3n de muestras de celdas (A-Sample)" para bater3as de nueva generaci3n Esta l3nea de fabricaci3n de celdas prototipo ha conseguido producir las primeras celdas de 20Ah y se espera que para finales de este a3o se puedan fabricar celdas de 80Ah

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, ...

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 ...

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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 ...

Compared to the technology of traditional lithium-ion batteries (liquid state) that are mass-produced in these gigafactories, the technology being developed at Basquevolt is already considered to be "the battery technology of the future", as the solid state will allow a "new generation battery": with higher energy density (up to 50% ...

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 are still in the refurbishment phase, will also house the new R& D Laboratories and the plant where the first prototype of the battery will be manufactured ...

The Battery Cell OEM Project Lead is responsible for overseeing the development, integration, and delivery of battery cell projects with Original Equipment Manufacturer (OEM) partners. This role involves managing project timelines, coordinating cross-functional teams, and ensuring all technical and quality standards are met.

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 ...

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% ...

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 ...

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 ...

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 ...

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