

Who is cidetec energy storage?

CIDETEC Energy Storage: Specialised in creating new battery technology and facilitating its transfer to industry. Our research activity covers from exploratory, low TRL new battery technologies and concepts up to high TRL product development for direct transference to the industry, near-ready for commercialization.

Why should you choose cidetec energy storage?

At CIDETEC Energy Storage, we are committed to generating high-added value knowledge and transferring it to industry. We help create employment and wealth in our local environment, developing efficient energy technologies focused on renewable energies and sustainability.

What is cidetec & how does it work?

CIDETEC is a private organisation for applied research founded in 1997 that seeks to contribute value to companies by harnessing, generating, and transferring technological knowledge. CIDETEC is comprised of three International Technological Reference Institutes in Energy Storage, Surface Engineering and Nanomedicine:

What is cidetec surface engineering?

CIDETEC Surface Engineering: Focused on the development of surfaces and materials and their application methods on different type of substrates (metals, polymers, and composites), mainly for automotive, energy, and aerospace sectors.

The BATSS project officially commenced with a dynamic kick-off meeting held on January 10-11, 2024 in San Sebastian, hosted by CIDETEC Energy Storage. Bringing together a consortium of prominent organisations from across Europe, BATSS ...

CIDETEC Energy Storage, consciente de la creciente demanda, inauguró en febrero de 2021 un nuevo Laboratorio de Ensayos de Baterías ubicado en el Polo MUBIL de Electromovilidad y Almacenamiento de Energía, con una inversión de más de 6MEUR en equipamiento, para atender las necesidades de testeo tanto de los propios proyectos de ...

Dr. Jaime Ochoa, business developer of CIDETEC Surface Engineering, took part in the event giving a presentation on the pilot plant capabilities of the three CIDETEC centres: Surface engineering (e-coating plant, in use within the European project Clean Sky2 ECOLAND), Nanomedicine (nano-pharmaceutical manufacturing plant, developed and ...

At CIDETEC Energy Storage we believe technology transfer to the industry is the culmination of the ideation and R+D process. We work together with leading national and international companies under B2B schemes, including heavy duty and passenger car makers, aerospace, specialty materials companies, battery

manufacturers, energy companies and infrastructure ...

At CIDETEC Energy Storage we develop full size battery pack solutions for electric buses and other heavy duty applications. Our assignment corees from inicial cell choice and validation to full battery pack design, including BMS, communications and safety. We build fully operative prototipes in close contact with our customer, so that at the ...

CIDETEC Energy Storage, as a leading member of the battery community, will be well represented in the Battery Innovation Days programme with different contributions: Oscar Miguel, Deputy Director of CIDETEC Energy Storage, will participate in the session "Future R& I priorities for 2023-2024, what"s on the table?" from 9:30 to 11:00 on ...

In the second half of 2022 CIDETEC Energy Storage celebrates the launch of up to eight new European funded research and development projects awarded in the last calls of 2021 and beginning of 2022 of the Horizon Europe programme. ...

We are a technological centre specialized in surface processing and finishing through wet chemical and electrochemical methods providing surface solutions throughout the entire value chain for the automotive, space and extreme ...

CIDETEC Energy Storage participates in two new BATTERY2030+ initiative projects: OPINCHARGE and PHOENIX 05/10/2023. Both projects are aligned with the aim of positioning Europe as a world leader in the development and production of sustainable batteries.

In the pathway of seeking greener technologies and high energy storage devices that are safer and more efficient (e.g. higher energy density and longer lifespan), SolidState Batteries (SSB) play a key role as a game-changer technology in next generation batteries for emerging applications (electrical transport, energy storage, etc.). CIDETEC ...

We are a technological centre specialized in surface processing and finishing through wet chemical and electrochemical methods providing surface solutions throughout the entire value chain for the automotive, space and extreme environments sectors among others.

&#211;scar Miguel reports in Empresa XXI on the advances of CIDETEC Energy Storage in modeling and simulation tools for the development of new batteries that will significantly increase the competitiveness of the European industry.

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CIDETEC Energy Storage-k zortzi proiektu berri lortu ditu Europar Batasuneko Horizon programan 2022/11/03. 4,4 milioi EUR diru-sarreratan, baterien arloko teknologia eta aplikazioen garapenean urrats garrantzitsu bat ematearen truke. MAGBATT 4 kongresuan magnesiozko bateria kargagarrien gaia sakondu zen

CIDETEC Energy Storage, coordinador del ambicioso proyecto SOLVE, celebr&#243; su reuni&#243;n inaugural los d&#237;as 12 y 13 de junio, que supone el lanzamiento oficial de una nueva iniciativa destinada a revolucionar la tecnolog&#237;a de bater&#237;as, financiado por la Comisi&#243;n Europea. El proyecto, titulado &#171;SOLVE: Avanzando en el Desarrollo y Producci&#243;n ...

4,4MEUR in revenues for a significant step forward in battery technology and application development. In the second half of 2022 CIDETEC Energy Storage celebrates the launch of up to eight new European funded research and development projects awarded in the last calls of 2021 and beginning of 2022 of the Horizon Europe programme.

CIDETEC Energy Storage has participated in the BATTERY2030+ initiative since its launch in 2020. The BATTERY 2030+ initiative has just received more than 150 million euros from Horizon Europe, the European Union's research program, for a new package of cutting-edge projects with the aim of positioning Europe as the global leader in ...

En CIDETEC Energy Storage desarrollamos soluciones completas para paquetes de bater&#237;as de autobuses el&#237;ctricos y otros veh&#237;culos pesados. Nuestra labor abarca desde la elecci&#243;n y validaci&#243;n inicial de las celdas hasta el dise&#241;o completo del paquete de bater&#237;as, incluido el BMS, las comunicaciones y la seguridad. ...

CIDETEC Energy Storage participa en el proyecto InnoBMS para optimizar el rendimiento de las bater&#237;as en veh&#237;culos el&#237;ctricos. 06/09/2024. PROTEO, una herramienta que integra la era digital de las bater&#237;as con el mundo real. Por Elixabete Ayerbe | Team Leader del Equipo de Modelizaci&#243;n y Postmortem Analysis.

&#211;scar Miguel expone en Empresa XXI los avances de CIDETEC Energy Storage en herramientas de modelado y simulaci&#243;n para el desarrollo de nuevas bater&#237;as que incrementar&#225;n notablemente la competitividad de la industria europea.

CIDETEC Energy Storage has successfully developed an innovative semi-solid battery technology based on current-collector-free lithium metal anode, high loading Ni-rich NMC cathode and a lean highly conductive gel polymer electrolyte integrated into the cell in a cost-effective way.. The developed technology is currently situated at TRL 4-5 being demonstrated at 4.6-15 ...

CIDETEC Energy Storage will tackle a complete industrial research program for the development of lithium

batteries with solid and semi-solid electrolyte, substantially improving the energy density of current batteries. Unlike other initiatives that are having an impact, the use of lithium metal in the anode of these batteries, which will be ...

DEPUTY DIRECTOR OF THE CIDETEC INSTITUTE FOR ENERGY STORAGE. Idoia Urdampilleta. HEAD OF MATERIALS FOR ENERGY UNIT. Haritz Macicior. HEAD OF ENERGY STORAGE SYSTEMS UNIT. Headquarters. Gipuzkoa Science and Technology Park; Paseo de Miramon, 196; 20014 Donostia - San Sebastian (Spain) +34 943 30 90 22; ...

CIDETEC Energy Storage ha desarrollado con éxito y de forma rentable una innovadora tecnología de baterías semisólida basada en ánodo de metal de litio sin colector de corriente, cátodo NMC rico en Ni de alta carga y un electrolito de polímero tipo gel extremadamente conductor integrado en la celda.. La tecnología desarrollada se sitúa actualmente en TRL 4-5, ...

CIDETEC Energy Storage continues to work on the interoperability of modelling tools within the framework of the European BIG-MAP project, where open infrastructures are being generated to make them available to the scientific community to accelerate development, with the aim of standardising these tools to speed up developments and including ...

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