

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.

Who is cidetec?

CIDETEC is an active member of the most important European stakeholder battery initiatives, often taking up representative roles.

Join us. If you think you meet the requirements and would like to be part of a consolidated and ambitious project, we encourage you to participate in our selection processes. ... race, sexual orientation, age or origin. CIDETEC's commitment is to promote equality, as well as the necessary measures to promote a healthy balance between personal ...

CIDETEC Energy Storage ha desarrollado con éxito y de forma rentable una innovadora tecnología de baterías semisólida basada en un nodo de metal de litio sin colector de corriente, todo 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, ...

Both projects are aligned with the aim of positioning Europe as a world leader in the development and

production of sustainable batteries. With global battery demand expected to exceed 1,700 GWh by 2025 (McKinsey), the BATTERY2030+ initiative, under the leadership of Professor Kristina Edström from the Uppsala University, aims to foster the development of durable, safe ...

Today, lithium ion batteries are the leading technology for all types of energy storage applications: electromobility, portable electronics, stationary applications and others. It is a living, evolving technology, yet there are certain limits on energy density, durability, cost and environmental impact that need to be taken into consideration.

JOIN US; OUR TEAM; PROJECTS. NEWS. CONTACT ... CIDETEC Energy Storage will contribute its knowledge in characterization and modelling of battery-packs to achieve the decarbonization of the sector. Committed to a solid future 14/03/2023. The word "here it is", is the expression used by players in the Basque card game "mus

Under this agreement, certification and approval tests for electric traction batteries and other uses can be carried out at CIDETEC Energy Storage's facilities with technicians from LCOE, which, as an accredited approval technical service, will issue the corresponding conformity certificates or the test report for approval as a rechargeable ...

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.

Double dry room composed of two interconnected individual rooms: The first one (30m²) is oriented to R+D purposes, including electrolyte additivation and lithium metal based manual cell assembly. The dew point of the room is -60°C. The second one (50m²) specifically oriented to manual and automatic assembly of the stacks for pouch configuration and semiautomatic ...

En CIDETEC Energy Storage, nos esforzamos por generar conocimiento de alto valor añadido y de su posterior transferencia a la industria. Ayudamos a crear empleo y riqueza en nuestro entorno, desarrollando tecnologías energéticas eficaces, vinculadas a ...

The authors of the article, all of them CIDETEC Energy Storage researchers, are Aroa R. Mainar, Elena Iruin, Luis C Imenares, J.Alberto Blázquez and Hans-Jürgen Grande, with Aroa Ramos and J.Alberto Blázquez as main authors. Secondary zinc-air batteries are of great interest, as they have high theoretical energy density (>900 Wh/kg).

CIDETEC Energy Storage, coordinador del ambicioso proyecto SOLVE, celebró su reunión inaugural los días 12 y 13 de junio, que supone el lanzamiento oficial de una nueva iniciativa destinada a revolucionar la tecnología de baterías, financiado por la Comisión Europea. El proyecto,

titulado «SOLVE: Avanzando en el Desarrollo y Producción ...

> About us +25 years anticipating the future. ... DEPUTY DIRECTOR CIDETEC ENERGY STORAGE. Dr. Eva García. DEPUTY DIRECTOR CIDETEC SURFACE ENGINEERING. Dr. Iraidia Loinaz. DEPUTY DIRECTOR CIDETEC NANOMEDICINE. Stay updated. Subscribe to our newsletters and discover our latest news, technology advances and events of interest.

Understanding energy storage systems to address the challenges of the energy transition to electrification is paramount to shortening deadlines. With this objective in mind, CIDETEC Energy Storage has developed cideMOD, an ...

The project led by CIDETEC Energy Storage has published an article in the third most influential energy journal in the field of energy, Energy & Environmental Science, demonstrating the viability and potential of Mg-based batteries. Lithium ion batteries (LIB) are the standard battery technology for many current and emergent applications, such as transport electrification or ...

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, ...

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