

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.

Where is cidetec located?

Located in the Donostia-San Sebastián site of Gipuzkoa's Scientific and Technological Park, CIDETEC is comprised of three international technological reference institutes in energy storage, surface engineering and nanomedicine.

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:

How many people work at cidetec?

CIDETEC currently employs a workforce of 190, 95% of whom are university graduates and 44% PhD holders. Its volume of activity came up to EUR 14M in 2020. CIDETEC is a member of BRTA (Basque Research and Technology Alliance). This alliance is made up of 4 CRCs and 12 technology centres, SPRI Group, the Basque Government and the Provincial Councils.

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.

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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.

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Within the multidisciplinary consortium that integrates InnoBMS, CIDETEC Energy Storage contributes its experience in characterisation and modelling of battery-packs. Employing its expertise, it will concentrate on the deployment of battery thermal management control (BTMS) in the cloud, the formulation of algorithms for the early ...

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Holistic development of high energy density, long life and safer solid-state batteries, with a focus on three main technologies: o Lithium metal o Li ion o Anode-free (zero excess of lithium)

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 Open Source modelling tool that helps battery designers, manufacturers and developers understand the internal workings of ...

The CIDETEC institute for Energy Storage specialises in creating new battery technology and facilitating its transfer to industry. The institute has the capacity to develop complete products and processes and offers material validation, pilot manufacture, pack engineering and battery testing and battery post-mortem analysis services.

CIDETEC Energy Storage is a research and development organization specialized in advanced battery technologies, designing, developing, and testing the batteries of the future for 25 years. The institute works with multiple battery technologies (including lithium metal solid state batteries, lithium-sulphur, etc.) according to specific challenges.

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