

## European Solar and Energy Storage Solutions

# Ecuador cidetec energy storage



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### Energy Storage , Cidetec

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

### EU project 'GIGABAT' to analyze battery supply chains

The project, led by Cidetec Energy Storage, aims to strengthen the EU's battery cell manufacturing industry and its value chain. Other goals of the project, according to the Spanish company Cidetec, are to involve key players in the battery industry in the development of lithium-ion cells known as "GEN3b" with nickel-rich cathodes and



 LFP 12V 100Ah

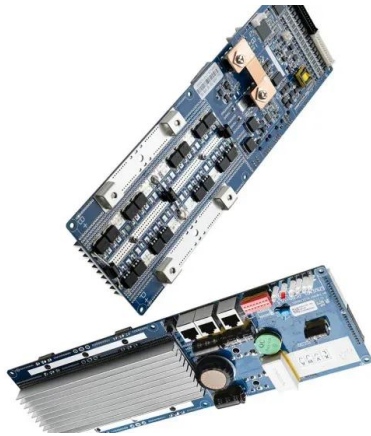


### Casos de éxito , Cidetec Energy Storage

CIDETEC Energy Storage ha desarrollado con éxito y de forma rentable una innovadora tecnología de batería 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, ...

## Success Stories , Cidetec Energy Storage

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 ...



## Our technological expertise , Cidetec Energy Storage

Integration of energy storage systems into (heavy duty) vehicles. At CIDETEC Energy Storage we develop full size battery pack solutions for electric buses and other heavy duty applications. Our assignment cores from inicial cell choice ...

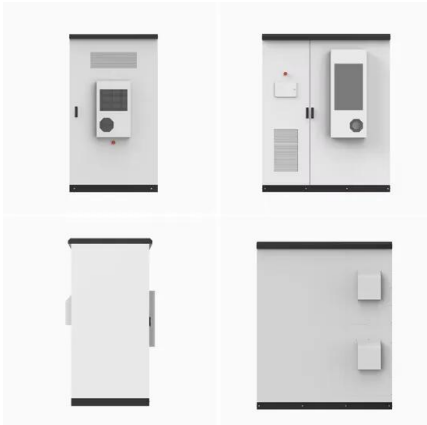
## Nuestro equipo , Cidetec Energy Storage

En CIDETEC podrás desarrollar tu carrera junto a un equipo de profesionales de primer nivel, en un ambiente joven y al mismo tiempo comprometido, volcado en la innovación y que busca aportar soluciones prácticas que redunden en un mundo más sostenible.



## Energy Storage , Cidetec

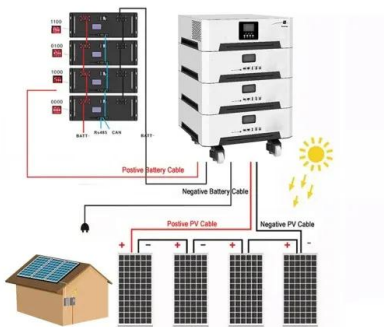
Dentro del consorcio multidisciplinar que integra InnoBMS, CIDETEC Energy Storage aporta su experiencia en caracterización y modelado de battery-packs. Gracias a su experiencia, se centrará en la implementación del control de gestión térmica de baterías (BTMS) en la nube, el



desarrollo de algoritmos de detección temprana de eventos

## ENERGY STORAGE , Cidetec

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.



## ¿Por qué Cidetec? , Cidetec Energy Storage

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 ...

## Why Cidetec? , Cidetec Energy Storage

CIDETEC Energy Storage. We are a research and development organization specializing in advanced battery technologies, designing, developing and testing the batteries of the future for 25 years. Our activity covers the entire value chain from battery chemistry to final application. We design and develop cells, modules and



battery packs tailored



## Energy Storage , Cidetec

With a firm commitment to technology, here at CIDETEC Energy Storage, we focus on three main lines for SSBs: lithium-ion batteries (Li-ion SSB), lithium metal batteries (Li-metal SSB), and anode-free SSB batteries (batteries getting rid of the anode current collector). We believe that a holistic vision is needed to achieve all goals.

## CIDETEC Energy Storage acoge la reunión de lanzamiento del

...

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



## Addionics visits CIDETEC Energy Storage

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

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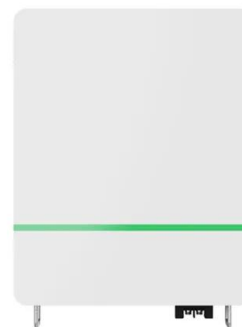


## CIDETEC Energy Storage y el Laboratorio Central Oficial de

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

## Cidetec

CIDETEC Energy Storage is an organization for applied research in the field of energy storage. Research and Development in advanced batteries. Battery testing and characterization. Modeling and simulation. Integration in applications. Dimensioning and technology selection -benchmark-. Life / second life analysis.



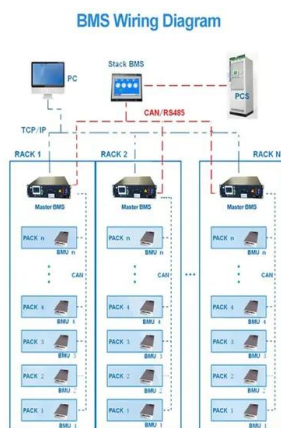
## ENERGY STORAGE , Cidetec

CIDETEC Energy Storage enpresak BATTERY2030+ ekimenaren bi proiektu berritan hartzen du parte: OPINCHARGE eta PHOENIX 2023/10/05. Europak bateria jasagarrien garapenean eta produkzioan munduko aitzindari izateko helburua du, eta bi proiektuok bat egiten dute horrekin.



## Ofertas de empleo

Cidetec > Talento > Ofertas de empleo - energy storage ¿Qué mejor lugar para desarrollar tu carrera profesional que en un centro tecnológico de referencia? Join us. Si crees que cumples con los requisitos necesarios y te gustaría formar parte de un proyecto consolidado y ambicioso, te animamos a que participes en nuestros procesos de



## CIDETEC Surface Engineering investiga ...

Cuando se ha superado el ecuador de los tres años previstos para la consecución del proyecto, CIDETEC Surface Engineering tiene abiertas varias estrategias basadas en la modificación superficial mediante anclaje ...

## Ingeniería de baterías , Cidetec Energy Storage

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.



## Inicio , Cidetec Energy Storage

CIDETEC Energy Storage. Somos una organización de investigación y desarrollo especializada en tecnologías de baterías avanzadas, que diseña, desarrolla y testea las baterías del futuro desde hace más de 25 años.



## CIDETEC Energy Storage , Enlit World

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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cell choice and validation to full battery pack design, including BMS, communications and safety.

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