EU grabs new energy battery technology

Why is the EIB launching a new EUR1 billion EV battery-focused call?
Together,the InvestEU top-up,the EIB's own-resource investments,and today's launch of a new EUR1 billion electric vehicle (EV) battery-focused call for proposals from the Innovation Fund highlight the commitment of the European Commission to make the batteries manufacturing value chain more resilient and more competitive.

What are the key trends in battery applications market?
The analysis shows fast growthof battery applications market,especially for EVs,a growing EU share in global production,a technology shift towards larger cells,module-less designs,Chinese Na-ion chemistry and expected growth of less expensive chemistries in the coming years.

What does the EIB's new partnership mean for the battery industry?
As part of the new partnership,the EIB envisages investing a further EUR1.8 billion in the wider battery value chain. These joint efforts will result in EUR3 billion of public support in total for the development of a competitive and sustainable European battery industry.

What's new in the EU's battery industry?
The Commission will continue to deploy instruments at hand and engage in new avenues, including in the short term, for addressing barriers to large-scale industrial scale up. Also today, the Commission and the European Investment Bank (EIB) have initiated a new partnership to support investments in the EU's battery manufacturing sector.

How much will the EIB invest in electric vehicle battery manufacturing?
It comes in addition to EUR1 billionin grants to support electric vehicle battery cell manufacturing projects via the Innovation Fund,also announced today. As part of the new partnership,the EIB envisages investing a further EUR1.8 billion in the wider battery value chain.

How can the EU save energy?
With adequate growth in electricity storage,demand side flexibility and cross-border interconnectivity to help take advantage of abundant home-grown clean power,the EU could reduce fossil dependance,avoid costly energy imports,and protect consumers and businesses from volatile international energy prices.

Empowering Europe: 7 New EU-Funded Battery Research Initiatives Bordeaux (France) April 23, 2024. - The European Union is taking a significant leap forward in battery research, and proof of it is the Horizon Europe programme, that funds groundbreaking projects to develop next-generation battery technology.

13 ????· The European Union"s (EU) maritime transport sector is making progress towards greater sustainability, a new report released by the European Maritime Safety Agency (EMSA) and the European

Environment Agency (EEA) has found - but it will need to increase its efforts over the coming years to meet EU climate and environment goals.

The analysis shows fast growth of battery applications market, especially for EVs, a growing EU share in global production, a technology shift towards larger cells, module ...

Checking the Electric Vehicle Battery Forecast Today, Tomorrow, and the Far Future: Mostly Sunny. A look at the chemistries, pack strategies, and battery types that will power the EVs of the near ...

In a fact sheet on the project, the EU research organization CORDIS explains that the HELENA team is "looking to produce a Generation 4b battery with a high-energy density lithium metal anode, a ...

In the same year, another project called "Ten cities and a thousand energy-saving and new energy vehicles demonstration and application project" ("Ten Cities, Thousand Vehicles Project" in short) was jointly established by the MoST, MoF, NDRC, Ministry of Industry and Information Technology (MoIIT), to carry out the first ...

In 2023, the European Union (EU) introduced the EU Battery Regulation (Regulation (EU) 2023/1542), a comprehensive framework aimed at revolutionizing the battery industry and overhauling the previous 2006 directive. The regulation enforces stringent sustainability, imposes transparency requirements, and more broadly promotes the EU"s larger ...

Under the new EU Batteries Regulation, certain stages of the battery life cycle are particularly challenging to integrate and monitor in the battery passport. These include the raw material sourcing phase, where tracking the ...

Australian Vanadium (ASX:AVL) Yesterday AVL signed a memorandum of understanding (MOU) with North Harbour Clean Energy (NHCE), a developer of renewable energy storage projects for collaboration on ...

As the world transitions to renewable energy, 2024 has been pivotal in advancing sustainable battery technology. Several promising innovations and trends are helping reshape the industry, making it possible to ...

An across-the-board switch to clean energy such as wind and solar, along with the new storage capacity needed for them, means that a major effort is underway by EU policymakers, ...

Germany, in particular, is the EU front runner, accounting for 46% of total EU battery capacity by the end of 2023 and with 9.5 GW installed by June 2024. Germany could boost its battery capacity up to 11.4 GW by the ...

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The EU might impose new criteria, requiring Chinese businesses to build factories in Europe and share IP related to clean technology. The new criteria is expected to launch when the EU invites ...

Boosting net-zero technologies and electric vehicle battery cell manufacturing across Europe The two calls underscore the EU"s commitment to bolster Europe"s leadership ...

These new regulations are going to have sizable impacts on the battery industry as a whole. The "phase in" aspect of the regulation is designed to help industry players and stakeholders prioritize implementation over several years; however, manufacturers of batteries and battery-operated products will have no small task in ensuring compliance with ...

25 Oct 2024: US power grid added battery equivalent of 20 nuclear reactors in past four years. 24 Oct 2024: Southeast Asia recycling plays catch up ahead of battery boom. 18 Oct 2024: EU battery directive"s focus on national energy mix is unfair disadvantage - German producers. 8 Oct 2024: Germany could fall behind on battery research ...

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