

EODev expands its offering with the launch of BESSTIE® 120: a new battery system for electricity storage and distribution

Press Release

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EODev, one of the world leaders in the design and industrialization of zero-emission electric generators, is proud to announce the launch of its BESS (Battery Energy Storage System), a silent electricity storage and distribution system, with no CO2 emissions or fine particles, designed to meet the growing needs for clean and reliable energy.



Thanks to Lithium Iron Phosphate (LFP) technology, BESSTIE® 120 can store up to 124kWh of energy for a wide range of applications: grid support for electric vehicle charging, autonomous power supply for filming, or hybridization with a generator set to reduce consumption. Developed in collaboration with end-users from various industries (events, construction, infrastructure, etc.), this battery system has the advantage of easily adapting to the technological ecosystems and environments in which it is deployed.

BESSTIE: a solution designed to meet multiple needs through three operating modes

In autonomous mode: to independently power isolated sites or environments where noise reduction is crucial (night operations, telecommunications, etc.), it provides a clean, silent, and autonomous energy source.

In hybrid mode: to optimize the performance of diesel or hydrogen generators, by managing low loads and demand peaks. BESSTIE thus reduces fuel consumption and emissions from thermal generators by up to 90%, while extending their lifespan.

In grid support mode: to provide additional power and energy to electric vehicle charging stations in particular, complementing the grid during periods of high demand or in areas where grid capacity is limited.

An innovative design focused on sustainability.

BESSTIE stands out for its eco-responsible design. Its battery modules are designed and assembled in France with screwed rather than welded cells, facilitating end-of-life recycling. In the absence of cobalt and rare earth elements, LFP batteries offer increased durability compared to NMC lithium-ion batteries.

A range extension and an opening to new markets.

The launch of BESSTIE is a major step in EODev's development, reinforcing its offering already composed of the GEH2® electro-hydrogen generator and the REXH2® maritime solution. It also and especially allows addressing new markets and meeting off-grid energy needs when hydrogen is not the best solution (hybridization with diesel generators, confined spaces in city centers, occasional needs for a few hours, etc.).



BESSTIE® 120 battery system and the GEH2® electro-hydrogen generator

"With BESSTIE, we are enriching our offering with storage, in addition to electricity production. EODev is thus now deploying an offer that covers the central stages of the electricity value chain," declares Jérémie Lagarrigue, CEO of EODev.

"Very concretely, EODev's objective is to support our customers throughout their decarbonization trajectory, regardless of their needs and level of maturity on these subjects. Our BESS is a modular product, easy to deploy, accessible, and we have no doubt that it will be attractive to actors aware of the environmental and health challenges and urgency, wishing to invest in clean and sustainable solutions. At the international level, BESSTIE will allow covering regions where access to hydrogen is very low or non-existent," continues Jérémie Lagarrigue.

About EODev

EODev (Energy Observer Developments) is an innovative French industrial company founded in 2019 with the aim of accelerating the energy transition through sustainable, reliable, and economically viable solutions.

EODev is a leader in the design and industrialization of zero-emission electricity production and storage systems. Its range includes the GEH2® electro-hydrogen generator for stationary and mobile



applications, the REXH2® onboard generator for the maritime sector, and BESSTIE®, a versatile electricity storage and distribution system. EODev counts among its clients prestigious references such as United Rentals, Air Liquide, Equans, and Netflix.

The company has raised nearly €100M in recent years from groups such as Toyota and Accor, distributes its products in more than 25 countries, and today brings together nearly 90 employees spread across three sites in the Paris and Lyon regions. Press contacts (Thomas Marko & Associés)

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