

Press Release
October 30, 2020

EODDev and ENERIA take the deployment of hydrogen solutions one step further

EODDev and Eneria have just signed an agreement for the distribution and maintenance of the GEH₂ hydrogen power-generators and the REXH₂ range extenders developed by EODDev. After the industrialization contract for the GEH₂ signed early September, this new agreement confirms the excellence of EODDev's project and the performance of the GEH₂ which has been in operation on the industrial site of Eneria in Montlhéry for the past six weeks.

The next phase of a promising partnership

After the signature of an industrial partnership agreement, after the presentation of EODDev's GEH₂, the first hydrogen power-generator on the industrial site of Eneria in Montlhéry mid-September, and after the announcement of the Monnoyeur Group becoming an official shareholder of EODDev, the two companies are now pleased to confirm the provisions agreed on in the initial contract, i.e. the possibility for Eneria's teams to distribute EODDev's GEH₂s in France, Belgium, Luxembourg, Poland, Romania, and Algeria. Furthermore, Eneria will also be able to distribute EODDev's range extender REXH₂.

In addition to the fact that the GEH₂s and REXH₂s will now be jointly marketed by EODDev and Eneria, and thus available in Eneria's product catalog in the countries where the company is present, this agreement also includes exclusive maintenance of the GEH₂s and REXH₂s by Eneria in collaboration with EODDev's engineers, who will also provide training for both Eneria's teams and end users.

This new milestone in the ecosystem put in place by EODDev shows once again the confidence of its shareholders, including the Monnoyeur Group, in the potential of the GEH₂s and REXH₂s, both economically and technologically. The GEH₂ in operation in Montlhéry has moreover more than met the performance and reliability requirements that were the primary conditions for the continuation of the project.

An inexhaustible range of possibilities

As the certification phase has just begun and as the production of "pre-series" generators is about to start, the excitement generated by the initial launch demonstrates that the GEH₂ is not the precursor of tomorrow's emission-free and silent generators, but rather an alternative solution, already available ensuring carbon-free energy autonomy and meeting both environmental challenges and the needs of many business sectors. This fact is also true for the REXH₂, which on board The New Era, a hydrogen tender prototype developed jointly by the Hynova Yachts shipyard and EODDev, is currently in its final preparation phase in order to get certified.

For Héric Blain, CEO of Eneria: *"Would I go so far as to mention a symbiosis between our two companies in view of the trust placed in EODev and the work we have already undertaken together? This is clearly the case and our teams have very quickly agreed on the strategic, commercial, and technical levels. This is the sign of a well-developed partnership, growing stronger every day to industrialize and market these innovative products."*

For Jérémie Lagarrigue, CEO of EODev: *"It only took six weeks with Eneria's teams to confirm the sustainability and potential of the GEH₂. No matter how clear the path seemed to be, you never know what obstacles might stand in the way. But in this case, the road has never been long or winding: the efficiency and complementarity of our expertise, the osmosis of the teams, and their mutual understanding allowed us to stay the course without a hitch, even when the Covid-19 got on board."*

Solutions adapted to all uses

With their Plug & Play solution, the GEH₂ and REXH₂ are easy to use and were designed to meet environmental challenges while remaining highly efficient.

The GEH₂ is suitable for all sites seeking or requiring energy autonomy, either as a backup solution, especially for sensitive sites such as hospitals, airports, or data centers - or as a primary energy source on isolated or confined sites like living quarters, islands, refuges, relay antennas, tunnels, or mines. It can also be used to provide additional power on construction sites or during temporary events (concerts, sporting events, trade shows, etc.).

As for the REXH₂, it is suitable for any shipowner wishing to consider hybridization to reduce their carbon footprint, and can be combined with the use of renewable energy sources such as solar or wind power - on sailing boats - as an energy storage solution to compensate their intermittency, or as a complement to the use of batteries, or even diesel-electric systems. Finally, it can also be used to propel boats sailing in protected and regulated zero-emission zones.

The management of the GEH₂ and REXH₂ systems is ensured by an automated Power Management System specifically developed by EODev, calculating the remaining hydrogen autonomy according to the user profile.

IMPORTANT

Due to the cancellation of many events in which the GEH₂ should have been present, it will remain in Monthléry at least till the end of November. Due to the new travel restrictions, please contact us to organize a site visit and a demonstration of its performance, in compliance with current sanitary constraints.

About GEH₂

With a footprint of barely four cubic meters and a limited weight, the GEH₂ equipped with the latest generation of Toyota fuel cell (PAC) is today, the most compact and most efficient hydrogen power generator on the market in terms of power delivered. The development carried out by EODev's teams allows to reach powers up to 1MVA when the generators are stacked. This modularity makes the GEH₂ the ideal vector for customized hydrogen solutions for autonomous energy supply.

About REXH₂

With a footprint of barely one cubic meter and a weight of 300kg (excl. frame), the REXH₂ equipped with the latest generation of Toyota fuel cell (PAC) is today the hydrogen-powered range extender offering the best performance in terms of power delivered. The development carried out by EODev's teams allows to reach powers up to 800kW by combining up to ten REXH₂s.

About EODev

EODev is a subsidiary of the Energy Observer group, an organization bringing together both expeditions and innovations, and developing solutions proving that another future, more respectful of mankind and nature, is possible. The company's ambition is to accelerate the energy transition by offering sustainable, reliable, and accessible industrial solutions. The products and solutions developed by EODev are based on the smart and optimized use of energy mixes combining different renewable energy sources and hydrogen as a storage means. EODev's products address the entire energy chain: medium-power hydrogen power generators (GEH₂®); on-board hydrogen energy systems (REXH₂®) for maritime and river use (propulsion and hotel load), and mobile floating hydrogen refueling stations (STSH₂) for the production and distribution of green hydrogen. The recent fundraising carried out by EODev not only allowed the company to launch the industrialization and marketing of these products, but also demonstrates the commitment of a group of entrepreneurs wishing to support the energy transition with practical and efficient solutions.

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About Eneria

Eneria, a subsidiary of the Monnoyeur Group, is a specialist in power generation and motorization solutions. Exclusive Caterpillar dealer in France and abroad, Eneria has developed a recognized expertise and know-how around the offer of turnkey energy solutions. Eneria designs the installations, implements them, and ensures their maintenance. Eneria can integrate a wide range of products such as diesel and gas generators, inverters, engines for marine, industrial, and oil applications, photovoltaic panels, thermal solar panels, biomass boilers, hybrid systems with storage. Eneria has the best expertise in all these fields, in terms of energy optimization and environmental protection, and provides both daily and long-term support to its customers, through performance contracts. Present on 9 sites in France and in 5 other countries, Eneria employs nearly 900 people (including 540 in France), with an annual turnover of €280 million.

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François Tapin, EODev's deputy managing director, providing explanations on the technical components and operation of the GEH2 © EODev / Amélie Conty



Directoes, partners and shareholders gather for a family portrait at Energia's site in Montlhéry in september 2020 © EODev / Amélie Conty



Demonstration by Hugo Devedeux, EODev engineer, of the remote monitoring and data capture of the GEH2 © EODev / Amélie Conty



Philippe Boucly, President of France Hydrogène, testing the water emitted by the GEH2 © EODev / Amélie Conty



The REXH2 in the foreground, with the GEH2 in the background © EODev / Amélie Conty



The GEH2 ready to be turned on © Energy Observer Productions



Jérémie Lagarrigue, CEO d'EODev, posing with the REXH2 system installed in the The New Era prototype of Hynova Yachts at the back, at the Yacht Club de Monaco © YCM / Mesi



The New Era prototype of Hynova Yachts with its REXH2 and Hexagon hydrogen tanks © Exequiel Cano Lanza



The New Era prototype from Hynova Yachts on the decks of Yacht Club de Monaco, where the REXH2 and its Hexagon hydrogen tanks are visible © Hynova /Birdeyecam



The New Era prototype of Hynova Yachts with its REXH2, its BorgWarner electric engines and Hexagon hydrogen tanks © Exequiel Cano Lanza