

EODev Receives First-Ever Type Approval Certificate from Bureau Veritas for its REXH2® Marine Fuel Cell System

Press Release
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EODev (Energy Observer Developments) is proud to announce that its REXH2® hydrogen fuel cell system has received the **Type Approval Certificate (TAC)** from Bureau Veritas Marine & Offshore, a leading maritime classification society. This certification, the first issued by Bureau Veritas Marine & Offshore for a marine hydrogen fuel cell system, underscores EODev's leadership in delivering innovative, zero-emission energy solutions for maritime applications.

A significant milestone for the maritime sector

Building on Toyota's advanced PEM fuel cell technology, the REXH2® is a scalable, "plug & play" power solution designed to meet the most stringent safety and performance standards required by the maritime industry, while reducing reliance on fossil fuels. This certification makes EODev one of only three companies worldwide to receive such Approval, and it cements the REXH2® as a viable, reliable, and safe alternative for clean energy onboard.

"The Type Approval Certificate represents a significant step toward making hydrogen a cornerstone of maritime decarbonization," said Yann Darmaillac, Technical Director at EODev. "It validates the reliability and safety of the REXH2® system while opening new opportunities for its deployment across a broader range of vessel types."

EODev's fuel cell technology has already been integrated into innovative maritime projects, including the Bluegame Hydrogen Support Vessels (HSV) for the America's Cup teams Orient Express Racing and American Magic, as well as the recently launched training vessel Alba in Corsica.

A Shared Commitment to Innovation

The REXH2® represents the culmination of years of collaboration between EODev and Toyota, combined with Bureau Veritas' technical expertise and rigorous safety validation.

"Bureau Veritas Maritime & Offshore is committed to supporting the safe integration of hydrogen technologies in the maritime industry. The Type Approval Certificate for EODev's REXH2® system is a testament to the growing maturity of hydrogen solutions and their

potential to transform shipping," said Frédéric Thomas, Director of Equipment and Materials Certification at Bureau Veritas Marine & Offshore.

Thiebault Paquet, Vice President R&D2 and Head of Toyota Hydrogen Factory Europe, added: "This certification validates the adaptability and reliability of Toyota's fuel cell technology in marine applications, demonstrating the vast potential of hydrogen to revolutionize clean energy solutions across industries. EODev's achievements highlight what's possible when innovation meets a shared vision for a decarbonized future."

Unlocking New Projects: Green Navy's PROMETEO

The first project leveraging the certified REXH2® system is PROMETEO, a 24-meter passenger vessel developed by Green Navy. Scheduled for deployment in Brittany, this innovative ship will carry 200 passengers with zero emissions, offering a sustainable and scalable solution for regional maritime transport.

"The REXH2® brings cutting-edge technology to the PROMETEO project, helping us to realize our vision for passenger vessels that meet environmental goals without compromising performance," said Charles Cardi, CEO of Green Navy.

About EODev

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

EODev is a leader in designing and industrializing zero-emission power generation and storage systems. Its range includes the GEH2® hydrogen-electric generator for stationary and mobile applications, the REXH2® on-board generator for the maritime sector, and BESSTIE®, a versatile power storage and distribution system. EODev's prestigious clients include companies such as United Rentals, Air Liquide, Equans or Netflix.

The company has raised nearly €100 million in recent years from groups like Toyota and Accor, distributes its products in over 25 countries, and today employs nearly 90 staff across three sites in the Paris and Lyon regions.

About Bureau Veritas

Bureau Veritas is a world leader in inspection, certification, and laboratory testing services with a powerful purpose: to shape a world of trust by ensuring responsible progress. With a vision to be the preferred partner for customers' excellence and sustainability, the company innovates to help them navigate change.



Created in 1828, Bureau Veritas' 83,000 employees deliver services in 140 countries. The company's technical experts support customers to address challenges in quality, health and safety, environmental protection, and sustainability.

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