

1 TITLE Integration of an innovative hull design with internal combustion engines and an intelligent Energy Management System (EMS).

2 SECTOR Marine energy

3 SHORT DESCRIPTION OF THE NEEDS

This project aims to improve the energy efficiency of passenger transport workboats by integrating an innovative hull design with an intelligent Energy Management System (EMS). The main challenge is reducing fuel consumption while maintaining the vessel's operational performance, passenger capacity, and reliability under highly variable loading conditions.

To address this challenge, the project combines CFD-based hull optimization, IMO III-compliant propulsion technology, and a smart EMS capable of monitoring vessel operations and optimizing energy use in real time. The objective is to achieve a significant reduction in fuel consumption—estimated between 12% and 22%—thereby lowering operating costs and environmental impacts while enhancing the sustainability of passenger navigation services in Italy.

4 MORE INFO For more information apply to eccentric@t2i.it

Company: VEIL ENERGY SRL SB

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