Interreg Co-funded by the European Union

Italy – Croatia

ECCENTRIC

Oxyhydrogen Retrofit System for Emission Reduction in Marine Engines

Sector: Marine energy/ Marine propulsion and emission reduction technologies

Short description of the needs:

The maritime sector, especially small and medium-sized vessels used in fishing, port services, and tourism, largely relies on conventional diesel engines lacking advanced emission control systems. Replacing engines or vessels is costly, limiting rapid adoption of sustainable solutions. The challenge is to develop a cost-effective retrofit technology that reduces pollutant emissions and improves combustion efficiency without replacing existing engines. The project explores oxyhydrogen (HHO) systems integrated with electronic controls and aims to collaborate with research centers, shipyards, and technology providers to optimize, test, and validate the solution, supporting the gradual decarbonization of the maritime sector.

More info: For more information apply to eccentric@t2i.it

Point of contact for the brief/challenge: t2i – trasferimento tecnologico innovazione