



## ENGIMMONIA Project Newsletter n.1 - December 2021

The ENGIMMONIA Project is an European Horizon 2020 research project funded by the European Union research and innovation programme under Grant Agreement No 955413, that started in May 2021, and which will be active until May 2025. Its consortium is lead by RINA Consulting S.p.A. and it is composed by 22 partners from 9 European countries for an overall funding of 9.5 M€.

[www.engimmonia.eu](http://www.engimmonia.eu)



### ENGIMMONIA Project's Challenge

The ENGIMMONIA project funded by the European Union in the framework of Horizon 2020 research and innovation programme, faces the decarbonisation of the long-distance maritime shipping sector by developing innovative technical and non-technical solutions to be tested on-board of three types of demonstrator vessels (a ferry boat, oil-tanker, and a container ship). The overall aim of the project is to target the 50% of carbon emission reduction by 2050, as stated by the International Maritime Organisation (IMO) in 2018.

Three research lines are addressed:

- low emission ammonia dual fuel engine with a dedicated exhaust after treatment system (EATS),
- on-board integration, and adaptation of clean energy technologies already tested in terrestrial applications,
- the evaluation of the impact and the support to replication at business and regulatory levels.

Furthermore, since no rules and regulations addressed the use of ammonia for marine purpose, the project will promote it at the naval classification, policy and business levels.

The project will promote a radical change in the panorama of long-distance maritime transport, by technically operating on ships and ports, and also legally to certify the safety of the innovations. The promotion of alternative fuels as ammonia and the exploitation of clean energy solutions on-board are the fundamentals to reduce vessels emissions, guiding the decarbonisation of the shipping towards a higher social acceptability of ammonia and widespread application.

## Past Events



28 September 2021

Seameasures Workshop -  
Ways forward to reach zero  
emission shipping



5 October 2021

First ENGIMMONIA General  
Assembly

The first ENGIMMONIA General Assembly was held on 5th October

The event represented an occasion to contribute to straight forward the decarbonization of the shipping sector by interacting with other important projects and innovators in the field. ENGIMMONIA presentation was focused on the benefits of ammonia as a fuel for long distance shipping transport.

2021 in Messina, Italy, at the CNR-ITAE location site. The meeting had been performed in hybrid modality, due to the persistence of COVID-19 travel restrictions for some of the partners involved, thus enabling them to be remotely connected.

## Next Events



9 December 2021

### EUCA Trade Talk - Sustainable Logistics and Transportation

The event addresses several topics in the panorama of the sustainable transport and, ENGIMMONIA will be a protagonist of the session dedicated to “Environmentalism and low-carbon transport” to highlight the main challenges and benefits of the use of alternative fuels for freight purpose.



15 December 2021

### Connecting EU Insights - Energy Transition in Ports and Logistics

The coordinator will introduce the project and its innovations to decarbonise long distance maritime transport. ENGIMMONIA will be a protagonist of the technical session dedicated to the alternative fuels and sustainable technologies for the marine sector together with other Horizon 2020 projects in this field.



9 June 2022

### Posidonia Exhibition - ENGIMMONIA Launching Event

The event addresses several topics in the panorama of the sustainable transport and, ENGIMMONIA will be a protagonist of the session dedicated to "Environmentalism and low-carbon transport" to highlight the main challenges and benefits of the use of alternative fuels for freight purpose.



ENGIMMONIA

This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement N. 955413.



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