



ATENA

FUTURE TECHNOLOGY

SCHEMA PROGETTO

Titolo:

Ecosystemic knowledge in Standards for Hydrogen Implementation on Passenger Ship

Acronimo:

e-SHyIPS

Ente Finanziatore:

EU FCH JTI

Call:

2020 CALL FOR PROPOSALS H2020-JTI-FCH-2020-1 (TOPIC: FCH-04-2-2020 PNR on hydrogen based fuels solutions for passenger ships FCH2-RIA)

Coordinatore:

Politecnico di Milano

Partner:

Ente Nazionale di Normazione, Teknologian Tutkimuskeskus VTT OY, Cineca Consorzio Interuniversitario, Atena scarl, Proton Motor Fuel Cell GmbH, Levante Ferries Naftiki Etaireia, Ghenova Ingegneria SL, Danaos Shipping Company Limited, Oy Woikoski AB, Ingegneria del Fuoco srl, Dimos Andravidas-Killinis, DNV GL Hellas SA, Scheepswerf Damen Gorinchem BV

Durata prevista:

Data inizio: 01/01/2021

Data Fine: 31/12/2024

Budget:

	Totale	Atena	Parthenope
Budget Progetto	2.500.000	130.625	35.000
Agevolazione	2.500.000	130.625	35.000

Stato:

Finanziato e in corso

Obiettivi:

Hydrogen fuel cells market potentials in the maritime sector have been demonstrated in the last years with several vessels flagship projects.

Despite hydrogen is a worldwide considered a valid option to reach the emission reduction targets, also part of the International Maritime Organization (IMO) strategy, a regulatory framework applicable to hydrogen fuelled ships is not yet available.



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E-SHyIPS brings together the Hydrogen and maritime stakeholders and international experts, through an Advisory Board, to gather new knowledge based on regulatory framework review and experimental data on ship design, safety systems, material and components and bunkering procedures.

The approach is “vessel independent”, in order to avoid the burdens of customized projects, and is focused on the risk and safety assessment methodologies.

Based on this, e-SHyIPS will define a pre-standardization plan for IGF code update for the hydrogen-based fuels passenger ships and a roadmap for the boost of Hydrogen economy in the maritime sector.