



ATENA

FUTURE TECHNOLOGY

e-SHyIPS

Title:

Ecosystemic knowledge in Standards for Hydrogen Implementation on Passenger Ship

Objective

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. 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.

Coordinator

POLITECNICO DI MILANO (Coordinator)

Partner

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Teknologian tutkimuskeskus VTT Oy
CINECA CONSORZIO INTERUNIVERSITARIO
Atena – Distretto Alta Tecnologia Energia Ambiente
Proton Motor Fuel Cell GmbH
Levante Ferries M.C
GHENOVA INGENIERIA SLU
DANAOS SHIPPING COMPANY LIMITED
OY WOIKOSKI AB
IDF-Ingegneria del fuoco srl
Municipality of Andravida - Kyllini
DNV GL HELLAS SA
SCHEEPSWERF DAMEN GORINCHEM BV



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Info

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