



# Final event

13<sup>th</sup> December 2024

Politecnico di Milano

Via Lambruschini, 4 – 20156, Milan  
Building BL28, Aula Magna Carassa e Dadda



# Concept Note

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The e-SHyIPS partnership is pleased to announce the final event of the project, which will be held at the end of a four-years journey undertaken on the route of research in hydrogen for the maritime transport.

This initiative aims at presenting key findings and main achievements from the project, hence outlining future directions and bringing this project to its successful conclusion.

The event will represent an opportunity to further promote and enhance discussions and collaborative efforts between e-SHyIPS partners and all interested parties, assess the impact of e-SHyIPS and explore together the next steps towards a hydrogen-powered future in shipping.

## Acknowledgements

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# AGENDA

09:00 – 10:00	<b>Networking coffee Reception and Registration</b>	
10:00 – 10:20	<b>Welcome &amp; opening</b>	<u>Brendan Sullivan</u> Politecnico di Milano, e-SHyIPS Project Coordinator
10:20 – 11:00	<b>Keynote</b> <i>Advancing Maritime Decarbonization: Net Zero Strategies and IMO Regulatory Impact</i>	<u>Onder Canbulat</u> IMO Delegate Advisor, and Maritime Net Zero Lead
11:00 – 13:15	<b>Session: Outcomes from e-SHyIPS</b>	
11:00 – 11:20	<i>Converting ships to hydrogen: the DAMEN waterbus and the LEVANTE ferry</i>	<u>Nikos Sakellaridis</u> DAMEN <u>Kyriakos Mahos</u> Levante Ferries
11:20 – 11:40	<i>Virtual towing tank analysis of the selected scenarios</i>	<u>Francesco Salvatore</u> , <u>Raffaele Ponzini</u> CINECA
11:40 – 11:55	Coffee break	
11:55 – 12:15	<i>Environmental Impacts on PEM-Fuel Cells in Maritime Application</i>	<u>Baumann Nils</u> Proton Motor
12:15 – 12:35	<i>Influence of contaminants on PEMFC performance</i>	<u>Lius Daniel</u> VTT
12:35 – 12:55	<i>Analysis of emergency hydrogen discharge</i>	<u>Markus Rautanen</u> VTT
12:55 – 13:15	<i>Explosion risk aspects</i>	<u>Davide Manenti</u> IDF – Ingegneria Del Fuoco
13:15 – 14:15	Lunch	
14:15 – 14:45	<b>Keynote</b> <i>Superyacht policy towards GHG provision and adoption of new technologies for propulsion</i>	<u>Lorenzo Pollicardo</u> SYBAss, IMO works participant
14:45 – 15:45	<b>Session: cluster projects</b>	
14:45 – 15:00	<i>Status update of the first projects demonstrating hydrogen-based maritime transport: Flagships, RH2IWER &amp; SHIP-AH2OY</i>	<u>Markus Rautanen</u> VTT
15:00 – 15:15	<i>FuelSOME - Multifuel SOFC system with Maritime Energy vectors</i>	<u>Simona Di Micco</u> University of Naples Parthenope
15:15 – 15:30	<i>H2PORTS: the first application of hydrogen technologies in port handling equipment in Europe</i>	<u>Giovanni Di Ilio</u> University of Naples Parthenope
15:30 – 15:45	<i>Overview of the ELVHYS project on safety of liquid hydrogen transfer technologies</i>	<u>Donatella Cirrone</u> Ulster University
15:45 – 16:30	<b>Session: Outcomes from e-SHyIPS</b>	
15:45 – 16:15	<i>The new guidelines for H2 passenger ships from the early stage of design: a CEN workshop agreement developed by e-SHyIPS project</i>	<u>Cristina Di Maria</u> UNI Italian Standards Body
16:15 – 16:30	<i>A roadmap for hydrogen-based fuels adoption for passenger ships in EU maritime sector</i>	<u>Laura Pirrone</u> Politecnico di Milano
16:30 – 16:40	<b>Closing remarks</b>	<u>Brendan Sullivan</u> Politecnico di Milano, e-SHyIPS Project Coordinator
16:40 – 18:00	<b>Farewell aperitivo</b>	