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NEW MODULAR ELECTRICAL ARCHITECTURE AND DIGITAL PLATFORM TO OPTIMISE LARGE BATTERY SYSTEMS ON SHIPS

GRANT AGREEMENT No. 101096324

D9.2: Project website

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Authors	Clément Keriel & Margaux Faure (IEIC)
WP Leader	Margaux Faure (IEIC)
Reviewers	Guénaël Le Solliec (CEA)
Coordinator	Guénaël Le Solliec (CEA)

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Project Summary

The ambition of the NEMOSHIP project is to develop, test and demonstrate new innovative technologies, methodologies and guidelines in order to better optimise large battery electric power within hybrid and fully electric ships. The project will act as a key enabler for the new co-programmed European Partnership Zero Emission Waterborne Transport (ZEWT) roadmap to reach IMO objectives about reduction of GHG emissions from waterborne transport by 2030 and 2050.

To reach this ambition, NEMOSHIP will develop a modular and standardised battery energy storage solution enabling to exploit heterogeneous storage units and a cloud-based digital platform enabling a data-driven optimal and safe exploitation. The project will demonstrate these innovations at TRL 7 maturity for hybrid ships and their adaptability for full-electric ships thanks to a retrofitted hybrid Offshore Service Vessel (diesel/electric propulsion), a newly designed hybrid cruise vessel (LNG/electric propulsion) and a semi-virtual demonstration for two additional full-electric vessels such as ferries and short-sea shipping.

The NEMOSHIP consortium estimates these innovations will contribute by 2030 in the electrification of about 7% of the European fleet and the reduction by 30% of EU maritime GHG emissions compared to business as usual scenario.

The NEMOSHIP consortium is composed of 11 partners (3 RTO, 1 SME, 7 large companies) and covers the whole value chain, from research-oriented partners to software developers, energy system designers, integration partners, naval architects and end-users.

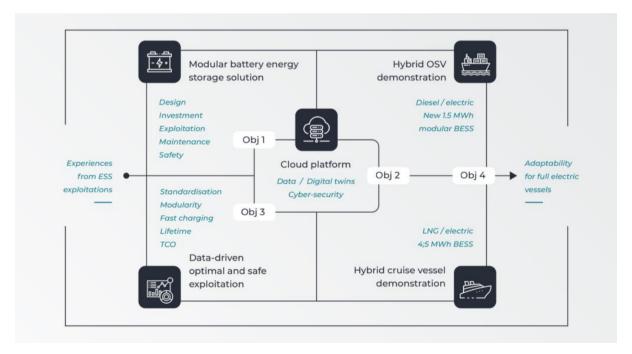


Figure 1 – NEMOSHIP objectives at a glance

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1 Introduction

This deliverable shortly describes the structure of the NEMOSHIP website: www.nemoship.eu

The content of this deliverable belongs to the "Dissemination, Exploitation and Communication (DEC)" Work Package of the NEMOSHIP project (WP9). More specifically, it is one of the first major dissemination steps towards the industry, researchers and the wider community.

In order to achieve this deliverable, the consortium subcontracted a part of the work to the company Mlcom (agency specialized in communication missions) as stated in the Grant Agreement.

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2 NEMOSHIP website

The NEMOSHIP website can be found at the following address: www.nemoship.eu

For the moment, the website includes:

- Objectives of the project
- Description of each participating partner
- An inside view from the Kickoff meeting held in February 2023

The website will evolve throughout the project and will therefore include new content on a periodic basis. Following content has been identified as being of interest for visitors:

- First results of the project
- Major events at which results of the project will be displayed or talked about
- Posts on related topics of interest
- Official press releases and communication material

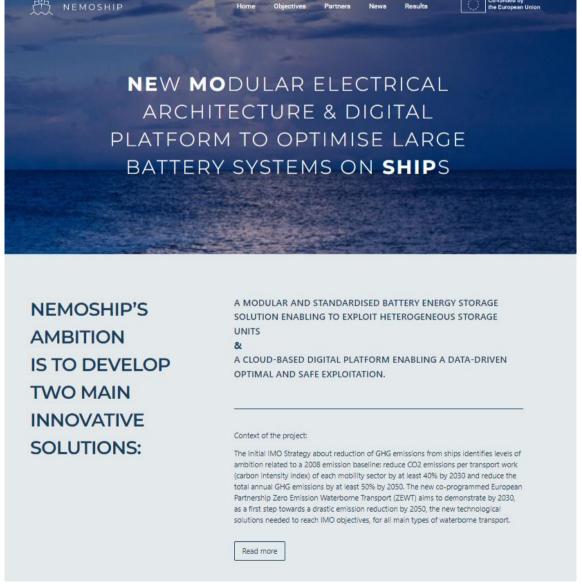


Figure 2: Homepage of NEMOSHIP website

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Figure 3: Objectives section of NEMOSHIP website

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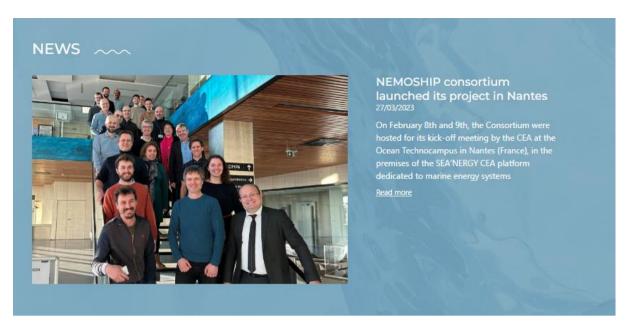


Figure 4: Space dedicated to news



Figure 5: Press release of NEMOSHIP's kick-off meeting (available on the website)

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PARTNERS ~~~

Nemoship consortium

The NEMOSHIP consortium is composed of 11 partners (3 RTO, 1 SME, 7 large companies) and covers the whole value chain, from researchoriented partners and dissemination and exploitation specialists to software developers, energy system designers, integration partners, naval architects and end-users.



Figure 6: Map of NEMOSHIP's partners

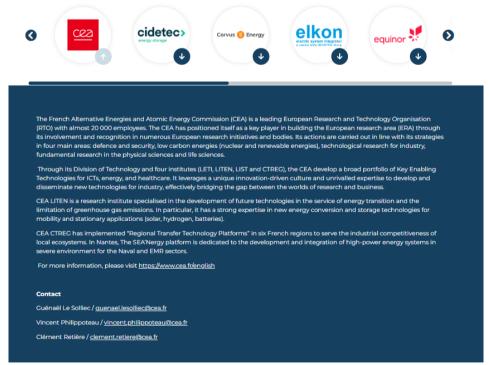


Figure 7: Space dedicated to the description of the partners

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3 Conclusion

The website will serve as a platform to communicate the goals, objectives and activities of the NEMOSHIP project to a wider audience. This includes potential partners, stakeholders and the general public. It will also facilitate collaboration among project partners by providing a centralized location for sharing information, resources, and updates. This includes publishing reports, articles, and other project results.

Finally, this website will engage stakeholders and the general public by providing opportunities for feedback, discussion and participation in the project and will increase the visibility and recognition of the NEMOSHIP project by showcasing its achievements and impact. It may also help to attract potential partners for future projects.

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