



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

HIGHLIGHT – NEMOSHIP consortium launched its project in Nantes

The NEMOSHIP project started officially on 1st January 2023 for a period of four years.

On February 8th and 9th, our consortium gathered in Nantes (France) for its first General Assembly, the kick off meeting. This event was hosted by CEA, the project coordinator, at the Ocean Technocampus in the premises of its SEA'NERGY platform dedicated to marine energy systems.

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.

Our consortium reviewed during the meeting the outcomes planned to reach this ambition:

- ✓ Develop two main innovative solutions: 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.
- ✓ Demonstrate these innovations at TRL 7 maturity for hybrid ships and their adaptability for full-electric ships thanks to a hybrid Offshore Service Vessel (diesel/electric propulsion), a hybrid cruise vessel (LNG/electric propulsion), and a semi-virtual demonstration for two additional full-electric vessels such as ferries and short-sea shipping.



*Partners present during the General Assembly in Nantes
(February 8 and 9, 2023)*

NEMOSHIP: A multi-stakeholder project funded by European Union

The NEMOSHIP consortium is composed of eleven partners from six countries and covers the whole value chain, from research-oriented organisations to software developers, energy system designers, integrators, naval architects and end-users. Each partner involved in the consortium is a **scientific or market leader in its own field of expertise**.

✓ 8 private companies

Corvus Energy (*Norway*)
Elkon (*Turkey*)
Equinor (*Norway*)
In Extenso Innovation Croissance (*France*)
Ponant (*France*)
SDI (*France*)
Siemens Software (*Romania*)
Solstad Offshore (*Norway*)

✓ 3 RTOs

CEA (*France*)
CIDETEC (*Spain*)
VUB (*Belgium*).



Duration: 48 months (January 2023 – December 2026)

Total budget: € 11 284 796, with an EU contribution of € 7 870 258

For more information, please refer to the project website: <https://nemoship.eu/>

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