HYNAVAL Hydrogène Naval **News Release** **Bordeaux, 18 juin2025**

HYNAVAL supports maritime decarbonization in Indonesia and signs two Memorandum of Understanding (MoU).

As part of the visit by the President of the Republic and Mrs. Brigitte MACRON at the end of May, HYNAVAL travelled to the Republic of Indonesia to sign two Memorandum of Understanding (MoU) to:

- Support the decarbonization of the Indonesian-flagged commercial fleet in partnership with the Indonesia National Shipowner's Association (INSA), in the presence of its president, Ms. Carmelita Hartoto, IMO Secretary-General Mr. Arsenio Dominguez, and the Indonesian Minister of Transport, Mr. Dudi Purwagandhi. This initiative involves a large segment of Indonesian commercial shipowners and maritime companies committed to promoting sustainable maritime practices, particularly through the adoption of low-emission technologies within the Indonesian commercial fleet.

- Encourage the decarbonization of Indonesia's maritime tourism sector with the Indonesia Tourism Investors Club (ITIC), a national platform dedicated to promoting investment opportunities in Indonesia's tourism sector, including the development of sustainable maritime transport infrastructures and services along key tourist corridors, such as Jakarta to the Thousand Islands (Pulau Seribu).

HYNAVAL thereby signs two critically important decarbonization agreements with significant economic and environmental implications for this nation, the largest archipelagic country in the world. This initiative aligns seamlessly with the international commitments recently highlighted during the Blue Economy Final Forum (Monaco, June 7-8) in Monaco and the United Nations Ocean Conference (UNOC 3 - Nice, June 9-13, 2025)

CONTEXT

The Indonesian national freight fleet is the backbone of national logistics and supply chains. With approximately 12,000 ships, it ranks among the largest fleets in the world.

Tourist maritime transport in Indonesia is substantial (about 80 million passengers). Maritime transport is extremely important for economic integration as well as for domestic and foreign trade, with each major island having at least one significant port. With over 17,000 islands, including 6,000 inhabited, ferries are the primary means of inter-island transport for the millions of tourists visiting the archipelago each year.

In the context of climate change, maritime pollution, and rising fuel prices, the decarbonization of the Indonesian national freight fleet presents a strategic opportunity that covers several aspects:

- **Environmental responsibility**: Ship emissions contribute to air and marine pollution in coastal cities and port areas, affecting public health and biodiversity.

- **Energy independence**: Reducing dependence on imported marine diesel through alternative fuels and techniques (biofuels, LNG, hydrogen, electricity, wind propulsion) can enhance national energy security.

- **Operational cost savings**: Efficient propulsion systems reduce fuel consumption and maintenance costs, thereby improving the competitiveness of shipowners and operators.

- **Fleet modernization**: Decarbonization can serve as a trigger for fleet renewal, extending the lifespan of ships and improving safety and performance.
- **Alignment with global trends**: Indonesian shipping companies must anticipate future international trade regulations and green maritime corridors to remain competitive.

MISSIONS

- **Decarbonization of the commercial fleet with INSA**

In perfect cooperation, INSA and HYNAVAL are responsible for:

- Identifying retrofit opportunities for Indonesian-flagged commercial vessels (including cargo ships, ferries, workboats, and other commercial vessels).
- Assessing the technical and economic feasibility of re-equipping these vessels with hydrogen-based propulsion systems, wind-propulsion and other innovative clean energy technologies suitable for maritime use.
- Leveraging their technical expertise and exclusive know-how to propose standardized modernization solutions and conduct preliminary studies tailored to the local fleet's characteristics and operational profiles.

- **Decarbonization of the Indonesian maritime sector related to tourism with ITIC**

In perfect cooperation, ITIC and HYNAVAL are responsible for:

- **Accelerating the decarbonization of the Indonesian maritime sector** related to tourism through the deployment and modernization of vessels equipped with hydrogen propulsion systems and other clean energy technologies,
- **Strategically collaborating on the evaluation of modernization opportunities**, the development of a standard range of clean boats, and the design and deployment of zero-emission transport solutions, focusing on ferry lines connecting Jakarta to Pulau Seribu.
- **Studying the joint development of a range of electric and hydrogen vessels** that can be operated in the Jakarta-Pulau Seribu corridor as part of a broader investment project aimed at supporting sustainable tourism.

ITIC will support this collaboration by providing access to tourism stakeholders, ferry operators, and investment facilitators, while HYNAVAL will act as the technical partner, responsible for proposing viable decarbonization technologies and solutions for the vessels.

The implementation of these memorandums of understanding will run until 2029 and include the establishment of a dedicated team on-site, supported by HYNAVAL's headquarters based at the Grand Port Maritime de Bordeaux.With these two MoUs, HYNAVAL positions itself as a true pioneer and works on its development objectives in France and Europe with other shipowner groups. The creation of jobs (in France and Indonesia) also supports this major project, which paves the way for the important and unavoidable energy transition of maritime and river transport, in line with the national low-carbon strategy

ABOUT HYNAVAL

HYNAVAL is an innovative shipyard specializing in the design, manufacture, and modernization of hybrid electric-hydrogen vessels. In response to the decarbonization challenges of the nautical industry, HYNAVAL offers sustainable solutions to reduce the carbon footprint by adopting clean energy technologies. Born from the alliance with HDF Energy, a recognized expert in the hydrogen field with ten years of experience in developing hydrogen infrastructure, and the CLYD Group, a leader in naval architecture and yacht retrofitting since 2010, HYNAVAL synergizes complementary skills to accelerate the energy transition of the maritime and river sectors.

Through this collaboration, HYNAVAL positions itself as a key player capable of supporting maritime mobility professionals towards more environmentally friendly navigation, while meeting the growing expectations for performance and sustainability

CONTACTS
FRANCE **M. Exequiel CANO LANZA | +33 (0)6 13 42 46 71 | e.canolanza@hynaval.com**
INDONÉSIE **M. Wahyadi LIEM | w.liem@hynaval.com**

Wahyadi Liem, Exequiel Cano Lanza, Carmelita Hartoto, Arsenio Dominguez

Mou Presentation: M. Arsenio Dominguez (Secretary General of International Maritime Organization)
M. Wayhadi Liem, HYNAVAL Indonesia, et M. Dudi Purwagandhi,
Minister of Transportation of Indonesia