



PRESS RELEASE

LDA, VPLP AND ALWENA JOIN FORCES TO DEVELOP THE LOW EMISSIONS CONTAINER VESSELS OF THE NEAR FUTURE.

Louis Dreyfus Armateurs (LDA), VPLP Design (VPLP) and Alwena Shipping (Alwena) have signed a Memorandum of Understanding (MoU) to form an Alliance. In this partnership, LDA will identify, develop, and pursue selected logistics solutions operated by wind assisted/propelled pure container ships designed and developed by VPLP and Alwena.

Suresnes, France – June 1st, 2023 - Louis Dreyfus Armateurs' subsidiary Louis Dreyfus Freight Solutions (LDFS), a 3PL freight forwarder with strong knowledge and skills in transport and logistics involving specific maritime solutions, has called on VPLP Design and Alwena Shipping to develop a wind assisted/propelled container ship solution. It is based on the Trade Wings 2,500 - an innovative concept for "small-size" container ships of 2,500 TEU. With an overall length of 197m and a breadth of 32m, the vessel offers a deadweight of 32,500 tons. Suitable to short sea shipping operations or feeding in Europe, Central America, Caribbean Islands and China, the Trade Wings 2,500 can also operate on transatlantic trades and be tailored to meet the Clients' requirements and volumes.

The preliminary project which has been granted an approval in principle (AiP) by Bureau Veritas runs on a hybrid propulsion comprising of six wing sails and a diesel-electric system. It is also designed to burn clean fuels such as liquefied natural gas (LNG) or methanol.

On a typical transatlantic voyage, we can expect to **save on average 35% CO2-equivalent emissions** compared to a conventional design, with a 2-stroke engine, single shaft and without wingsails, at the same speed. This concept sets the pathway for what could be the low emissions container vessels of the near future.

«We are very pleased to establish a partnership with Alwena and VPLP.», said **Mathieu Muzeau**, Transport & Logistic General Manager, Louis Dreyfus Armateurs. *«It is fully aligned with the LDA strategy to accelerate shipping's decarbonization, and especially linked to the innovations we are implementing such as the use of wind-propulsion systems and alternative fuels.»*

« We are pleased to see that our self-financed work on the Trade Wings 2,500 TEU, at that time developed also with our partner SDARI in Shanghai, receives again traction with LDFS.» said Ludovic Gérard of Alwena Shipping. *“We are continuing the development works to suit LDFS expectations and we expect some project to materialize soon”*, added Simon Watin of VPLP Design.

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About Louis Dreyfus Armateurs

For more than 165 years, the Louis Dreyfus Armateurs Group has been offering players in the maritime world innovative industrial solutions adapted to their needs and integrated services ranging from the design and management of ships to maritime operations in the fields of transport, logistics and marine industrial solutions. Present worldwide with more than 2,600 employees and around 100 vessels, LDA is a French family-owned group.

For more information, visit: www.lda.fr

About VPLP Design

VPLP design is a world-renowned young international team of french-based naval architects, engineers and designers working from Vannes, Nantes and Paris in sail and motor craft projects across the world. The activity is now divided into 3 areas: racing, cruising and maritime. With a long experience in high performance design, the race to efficiency at sea and the implementation of state-of-the-art technologies VPLP uses its comprehensive design approaches to enhance energy efficiency in the shipping industry in light of climate change and changing regulations.

For more information, visit: www.vplp.fr

About Alwena Shipping

Alwena Shipping is a consultancy company, offering project management and technical assistance for new building and fleet retrofit projects for shipowners, ports authorities and other maritime industry stakeholders. With a wide geographical scope covering Europe, French Polynesia, and China, Alwena Shipping offers agility, reactivity and proximity to its customers.

For more information, visit: www.alwenashipping.com