

LOUIS DREYFUS ARMATEURS AND FLYING WHALES PARTNER TO DEVELOP THE TRANSPORT OF EXCEPTIONAL LOADS BY AIRSHIP

Louis Dreyfus Armateurs (LDA) and FLYING WHALES have signed a Memorandum of Understanding (MoU). In this partnership, LDA will incorporate the LCA60T airship solution developed by FLYING WHALES in its freight forwarding activities.

Suresnes, France – November 16, 2023 - Louis Dreyfus Armateurs, a 3PL freight forwarder with strong knowledge and skills in transport and logistics involving specific maritime solutions, has concluded a partnership with FLYING WHALES to commercialize an air cargo transport solution. It is based on the use of the LCA60T airship - an innovative airship concept lifted by 180 000 m3 of helium with a payload of 60 tons.

The LCA60T is an innovative transport solution that can operate in remote areas where roads are not available, thanks to its hovering capabilities. It is also a very interesting solution for oversized cargoes, that are particularly difficult to transport via common roads or railways. With a length of 200 meters and a diameter of 50 meters, it has a substantial payload capacity thanks to a cargo bay of 96 meters in length, 8 meters in height, and 7 meters in width. If needed, it can even carry larger cargo by using the "under slings" mode.

As it uses helium to float, the LCA60T reduces its energy consumption and lowers CO2 emissions. FLYING WHALES, the company behind the LCA60T, is developing an all-electric propulsion system based on the use of green hydrogen (either fuel cells or hydrogen injected into the turbines) to further reduce environmental impact. Another advantage of the LCA60T is that it doesn't require heavy transport infrastructure on the ground during operations, which makes it an eco-friendly solution for transporting goods.

By calling on this innovative solution, Louis Dreyfus Armateurs can effectively address complex logistical solutions for its clients.

*« Choosing to partner with FLYING WHALES is totally in line with the LDA's ambition to decarbonise transport and logistics, » said **Edouard Louis-Dreyfus**, President of Louis Dreyfus Armateurs. « By combining our expertise, we want to offer an innovative solution capable of solving particular issues that oversize cargoes face on the first and lasts miles of their voyage. This will be a significant benefit for customers of our maritime logistics services »*

*« Partnering with LDA means working with one of the most reliable and efficient players in the world of logistics and transport. I'm delighted that our ambitions and know-how will combine to offer an unprecedented transport alternative.» said **Sébastien Bougon**, President of FLYING WHALES.*



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About Louis Dreyfus Armateurs

For over 170 years, LOUIS DREYFUS ARMATEURS Group (LDA) has specialized in providing custom industrial maritime solutions with high-added-value activities and integrated services to its clients, ranging from ship design and ship management to maritime operations, in the fields of transport, logistics, submarine cables and renewable energy. LDA is a French family-owned Group, offering a worldwide presence with over 2,500 staff and 100 vessels.

For more information, visit: www.lda.fr

About FLYING WHALES

FLYING WHALES is a Franco-Canadian company developing an ambitious and unique program thanks to its innovations and the quality of its teams and industrial consortium: the LCA60T, a rigid airship for transporting heavy loads, with a carrying capacity of 60 tonnes. Originally designed to meet the needs of renewable wood resource exploitation in hard-to-reach areas, the LCA60T's unique hovering loading and unloading characteristics will provide solutions to numerous logistical and landlocked problems around the world, with a very low environmental footprint. This solution will make it possible, at lower cost, to overcome all terrestrial constraints for point-to-point transport of heavy or bulky loads. FLYING WHALES is also developing FLYING WHALES SERVICES, the operating company for the LCA60T. FLYING WHALES QUÉBEC is its Canadian subsidiary, in which Investissement Québec is a shareholder, to participate in the aeronautical program and, in the industrial phase, to be able to approach the American continent.

For more information, visit: www.flying-whales.com