



PRESS RELEASE

## TotalEnergies Marine Fuels and MOL Group Complete First Biofuel Bunker Operation of a Vehicle Carrier in Singapore



**Singapore, 29 June, 2022** – TotalEnergies Marine Fuels and Mitsui O.S.K. Lines, Ltd. (MOL) have successfully completed the first biofuel bunker operation for a vehicle carrier in Singapore. The local operation was made possible with support from the Maritime and Port Authority of Singapore.

The MOL-operated car and truck carrier, Heroic Ace, was refueled by TotalEnergies-supplied biofuel on 11<sup>th</sup> June 2022 via ship-to-ship transfer, while the carrier performed cargo operations simultaneously. The biofuel has been consumed during the carrier's voyage to Jebel Ali, in the United Arab Emirates.

The biofuel blend used in this trial composed of VLSFO (Very Low Sulfur Fuel Oil) blended with 20% second-generation, waste-based and ISCC-certified UCOME (Used Cooking Oil Methyl Ester). From a well-to-wake assessment, the biofuel will reduce approximately 17% of Greenhouse Gas (GHG) emissions compared with conventional fuel oil.

MOL's initial analysis of the vehicle carrier's engine and machinery performance have demonstrated a high compatibility and safe use of the biofuel onboard the vessel.

Laura Ong, General Manager of Trading and Operations for Asia Pacific, TotalEnergies Marine Fuels, based in Singapore, said: "We are delighted to work with frontrunners in green shipping, such as MOL, on the use of sustainable biofuels to reduce their vessels' carbon footprint. For TotalEnergies Marine Fuels, we want to develop a sustainable, cost-efficient and low-carbon biofuel solutions for customers across different shipping segments. This partnership with MOL has allowed us to build on our amassed biofuels supply chain capabilities and operational success, to deliver this lower-carbon fuel to a new vessel type."

Koichi Hirata, General Manager, Car Carrier Division of MOL, said: "MOL Car Carrier Division has been working on trial usage of biofuel during navigation in the European short haul trade for more than a year. Today we are very pleased to announce that we have expanded our actions to the long haul trades and successfully conducted a milestone voyage together with our valued partner, TotalEnergies. Along with various partnerships we have with TotalEnergies in many fields, this collaboration in the biofuel field means an important step for MOL. We will continue to accelerate efforts towards a low- and de-carbonized vehicle transportation sector and to develop services required by our customers."

TotalEnergies and MOL believe biofuels provide an immediate and sustainable solution to decarbonize shipping today, as they can be blended or dropped into existing conventional fuels with little or no technological developments required on vessels.

As part of TotalEnergies' strategy to produce a new generation of biofuels for use in transport, TotalEnergies is investing in biofuels projects based on animal fat or used oils, thereby sourcing from the circular economy and limiting the competition for and impact on arable land.

These initiatives reinforce TotalEnergies' climate ambition to reach net-zero emissions by 2050 together with society. In parallel, TotalEnergies Marine Fuels is committed to drive the decarbonization of shipping through the provision of clean and low-carbon marine fuel solutions across the short and long-term.

Biofuel is positioned as an effective alternative to fossil fuels in 'MOL Group Environmental Vision 2.1', which includes the achievement of net zero emissions by 2050. MOL Group continually takes a proactive stance in promoting adoption of clean alternative fuels with the aim of reducing greenhouse gas emissions in ocean transport.

TotalEnergies and MOL will continue to build on their successful collaborations to explore new joint initiatives that promote the introduction of clean, low-carbon alternative fuels. Both companies have co-developed bunker vessels, the Gas Agility and the Gas Vitality, for the supply of marine Liquefied Natural Gas (LNG) in the Northwestern Europe and Mediterranean regions. They are also part of a consortium that seeks to establish an ammonia fuel supply chain in Singapore.

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#### **About TotalEnergies Marine Fuels**

With over three decades of market experience, TotalEnergies Marine Fuels is TotalEnergies' dedicated business unit in charge of worldwide bunkering activities. A long-term partner to the global shipping industry, TotalEnergies Marine Fuels serves more than 200 shipping customers across over 120 ports in Europe, Asia Pacific and Africa. Its headquarters is located in Singapore, with two satellite offices in Paris and Geneva.

In order to help its shipping customers adopt the cleanest available marine fuels today, TotalEnergies Marine Fuels has made key investments to supply marine LNG, bioLNG and biofuels at strategic bunker hubs. As part of its ongoing work in various maritime coalitions and cross-industry R&D initiatives, TotalEnergies Marine Fuels is also helping to shape the production of decarbonized future fuels for shipping.

#### **About TotalEnergies**

TotalEnergies is a global multi-energy company that produces and markets energies on a global scale: oil and biofuels, natural gas and green gases, renewables and electricity. Our 105,000 employees are committed to energy that is ever more affordable, clean, reliable and accessible to as many people as possible. Active in more than 130 countries, TotalEnergies puts sustainable development in all its dimensions at the heart of its projects and operations to contribute to the well-being of people.



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### **About MOL**

Mitsui O.S.K. Lines is a global leading shipping company operating over 800 ships across the world, headquartered in Japan. MOL develops various social infrastructure businesses centering on ocean shipping, technologies and services to meet ever-changing social needs including environmental protection. MOL fleet includes dry cargo ships, liquefied natural gas carriers, Ro-Ro Car Carrier ships, oil tankers, etc. In addition to the traditional shipping businesses, MOL offers social infrastructure businesses such as real estate, terminal and logistics, offshore wind power, and associated businesses. With one of the largest merchant fleet, 130-plus years of history, experience, and technology, MOL group aims to be a strong and resilient corporate group that provides new value to all stakeholders.

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