



PRESS RELEASE

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CMA CGM and PSA to expand collaboration with new digital solutions to reduce carbon footprint

- **Opt-E-Arrive digital solution will enable CMA CGM vessels to arrive just-in-time at berth at terminal, skipping the anchorage stop**
- **An innovative solution set to reduce greenhouse gas emission through further optimisation of bunker consumption**
- **Shared commitment between the CMA CGM Group and PSA to decarbonise shipping through the joint venture partnership in CPLT**

The CMA CGM Group, a global leader in sea, land, air and logistics solutions and PSA Corporation Ltd (PSA), a subsidiary of PSA International, a leading global port group and trusted partner to cargo stakeholders, today signed a Memorandum of Understanding (MOU) to jointly create and implement sustainable solutions relating to CMA CGM's port and terminal handling activities in Singapore, through the joint venture partnership in CMA CGM-PSA Lion Terminal (CPLT). One of the focus areas is to adopt PSA's Opt-E-Arrive digital solution to reduce carbon emission through optimisation of bunker consumption.

Opt-E-Arrive is programmed to enable CMA CGM vessels to skip the anchorage stop and arrive just-in-time at berth at CPLT. The solution synchronises transparent real time activities and automates data exchange between the systems of the carrier and port operator. The dynamic intelligence therefore enables CMA CGM vessels to optimise vessel speed to be timely for berth.

This innovative solution is set to reduce greenhouse gas emission through further optimisation of bunker consumption. An annualised bunker savings of 4 % to 7 % for CMA CGM vessels arriving in Singapore is expected to be achieved with the digital solution.

Opt-E-Arrive will be complementary to CMA CGM's existing Fleet Centers, which can be described as vessel control towers with smart decision support tools for the Group's 566 vessels and their crews. Backed by 26 team members in Marseille, Miami and Singapore, the Fleet Centers provide round the clock

support to ensure the safety of the Group's crew, vessels and cargoes, and also offer real time data to adapt vessels' routes and speed to reduce greenhouse gas emissions.

Shared commitment for decarbonisation

The extended collaborations demonstrate the shared commitment between the CMA CGM Group and PSA to drive excellence and decarbonise shipping through the joint venture partnership in CPLT.

In February this year, the CMA CGM Group launched biofuel bunkering at CPLT as part of its global trial to scale-up the wider adoption of the clean energy. In March 2021, CPLT hosted Asia's first ship-to-containership LNG bunkering undertaken by CMA CGM in Singapore. This paves the way for CMA CGM's LNG powered vessels to refuel LNG during container operations in the Port of Singapore, reducing transit times and their stay in the port.

Leading shipping's energy transition with a fleet of 44 e-methane ready vessels by the end of 2024

The CMA CGM Group is committed to the energy transition and has set itself the goal of Net Zero Carbon emissions by 2050. In pursuit of this goal, the Group adopts the best available solutions.

The CMA CGM Group has chosen to invest in dual-fuel vessels that run on liquefied natural gas (LNG), avoiding up to 99% of atmospheric pollutant emissions. LNG is an important first step in reducing greenhouse gas emissions, and the engine installed on these vessels is capable of using BioLNG (reducing 67% in CO₂ emissions).

In the coming years, those engines will use [synthetic methane \(including e-methane\)](#). The CMA CGM Group already has a fleet of 28 "e-methane ready" vessels in service and will have a total of 44 such vessels by the end of 2024.

Laurent Olmeta, Chief Executive Officer of CMA CGM Asia Pacific, said, "The CMA CGM Group is delighted to take sustainable shipping forward with PSA through digital and operational solutions. As we advance in our energy transition to be a net zero carbon company by 2050, we shall continue to pursue energy efficiency; optimise network; design containerships to progressively operate with zero-carbon energy; and develop a supply chain for new zero carbon energies."

Mr Ong Kim Pong, Regional CEO Southeast Asia, PSA International, said, "PSA aims to create an Internet of Logistics through building a connected system of nodes and platforms together with our customers and partners. We are delighted to embark on this collaboration with our steadfast partner CMA CGM through various initiatives to enhance service excellence. With greater visibility, closer cooperation and enhanced cargo flow with digital solutions, we can move the world together sustainably, and with greater agility and efficiency."

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Jointly Issued by PSA Corporation Ltd & CMA CGM

About CMA CGM

Led by Rodolphe Saadé, the CMA CGM Group, a global leader in sea, land, air and logistics solutions, serves more than 420 ports around the world on five continents. Backed by a fleet of 566 vessels, in 2021 the Group transported 22 million TEU (twenty-foot equivalent units) containers. With its subsidiary CEVA Logistics, a world leader in logistics, which transports 474,000 tons of air freight and more than 21 million tons of land freight each year, and its air freight division CMA CGM AIR CARGO, the CMA CGM Group is continually innovating to offer its customers a complete and increasingly efficient range of new shipping, land, air and logistics solutions.

Committed to the energy transition in shipping, and a pioneer in the use of alternative fuels, the CMA CGM Group has set a target to become Net Zero Carbon by 2050.

Through the CMA CGM Foundation, every year the Group helps thousands of children through its actions to promote education for all and equal opportunity. The CMA CGM Foundation also acts in humanitarian crises that require an emergency response by mobilizing the Group's shipping and logistics expertise to bring humanitarian supplies around the world.

Present in 160 countries through its network of more than 400 offices and 750 warehouses, the Group employs more than 130,000 people worldwide, including 2,900 in Marseilles where its head office is located.

Learn more at cmacgm-group.com

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About PSA Corporation Ltd (PSA)

PSA Singapore operates the world's largest container transshipment hub in Singapore, handling 37.2 million TEUs of containers in 2021. With connections to 600 ports globally, shippers have access to daily sailings to every major port in the world, operating 24/7 all year round. Beyond port operations, PSA also offers cargo solutions to customers operating in advanced manufacturing, cold chain, e-commerce, and energy & chemicals. This value adding service is enabled by CALISTA™, a digital platform that facilitates trade and helps shippers to better manage their physical movement of goods, trade financing and compliance. Visit us at www.singaporepsa.com

****Note to Editors:*** PSA ceased using the name of "Port of Singapore Authority" in 1997 when it became a corporatised entity. The company should be referred to as "PSA Corporation Ltd", "PSA Singapore" or simply "PSA".

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