



News Release—For Immediate Release

MaritimeONE Case Competition Winners from Singapore Respond to Industry Challenges posed by Leading Multinationals

Champion teams of the MaritimeONE Case Summit 2023 come from Nanyang Technological University, National University of Singapore and Singapore Institute of Management.

Singapore, 6 April 2023— The Singapore Maritime Foundation announced the champion teams of the MaritimeONE Case Summit (MCS) 2023 during the Grand Finals and Awards Ceremony on 5 April 2023, which was graced by Senior Minister of State for Finance and Transport Mr. Chee Hong Tat.

Sponsor companies CMA CGM, Rio Tinto, Swire Bulk and Swire Shipping provided challenge statements at the intersection of business and sustainability. MCS 2023 is the fourth edition of the competition designed to connect tertiary students with the maritime industry that is rapidly transforming.

There were entries from 155 tertiary students across 49 registered teams from Singapore’s universities and polytechnics for MCS 2023. The students come from a diverse range of disciplines including maritime studies, supply chain management, business, data science, engineering, and more.

The following are winners of the MCS 2023:

COMPANY	CHALLENGE SYNOPSIS	Winning Teams
CMA CGM	To propose innovative approaches, business cases or solutions that will tap on the Fund for Energies to accelerate decarbonisation of shipping and logistics.	<p>Champion Team: 4KGoals Institution: Nanyang Technological University</p> <p>1st Runner-up Team: Trio Amigos Institution: Singapore University of Social Sciences</p>

		<p>2nd Runner-up Team: SFS Institution: Nanyang Polytechnic</p> <p>Merit Prizes Team: Alter Eco Institution: Singapore Polytechnic</p> <p>Team: Mangoes Institution: Singapore Management University</p>
<p><u>Rio Tinto</u></p>	<p>To propose a framework or solution that demonstrates innovative ways to foster human sustainability, at sea and/or on shore, to support responsible shipping and attract the next generation of talent to the maritime industry.</p>	<p>Champion Team: Midnight Marine Institution: National University of Singapore</p> <p>1st Runner-up Team: Ying Yang Institution: Nanyang Technological University</p> <p>2nd Runner-up Team: LEXY Institution: Nanyang Technological University and National University of Singapore</p> <p>Merit Prizes Team: Fantastic Mail Services Institution: Ngee Ann Polytechnic</p> <p>Team: MariKIND Institution: Nanyang Technological University</p>
<p><u>Swire Bulk and Swire Shipping</u></p>	<p>To create a framework or model to reduce the ship's non-sailing fuel use by at least 10% while at anchor, adrift, or in port, and to suggest methods to minimise fuel use</p>	<p>Champion Team: CFRTT Institution: Nanyang Technological University and Singapore Institute of Management</p>

	<p>by improving operational performance.</p>	<p>1st Runner-up Team: Xyconics Institution: Nanyang Technological University and National University of Singapore</p> <p>2nd Runner-up Team: Home Runners Institution: Nanyang Polytechnic</p> <p>Merit Prizes Team: Green Tornado Institution: Singapore Management University Team: Catan Institution: Nanyang Polytechnic</p>
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Quote from SMF Chairman

“The MaritimeONE Case Summit 2023 provided tertiary students with an experiential learning opportunity to apply their knowledge and resourcefulness to challenges that are at the convergence of business and sustainability. I thank CMA CGM, Rio Tinto, and Swire Bulk and Swire Shipping for partnering the Singapore Maritime Foundation in nurturing young talent to support the industry’s transformation,” said Mr. Hor Weng Yew, Chairman of the Singapore Maritime Foundation.

Quote from CMA CGM and Champion Team

“The CMA CGM Group is committed to become Net Zero Carbon by 2050. Energy transition is key in our decarbonisation roadmap. The Group’s USD1.5 billion Fund for Energies is set to accelerate the transition. We have challenged the young talent and are encouraged to see out-of-the-box solutions to decarbonise shipping as well as port terminals and warehouses,” said Mr. Laurent Olmeta, Chief Executive Officer, CMA CGM Asia Pacific.

“We hope to be part of the global movement to lower waste in the supply chain by implementing the concept of an eco-marketplace that facilitates the trade of sustainable products. We want to help spearhead a worldwide effort to reduce carbon emissions because we believe it is a necessary stage towards an environmentally friendly, sustainable planet for future generations. We are passionately dedicated to pushing forward the decarbonisation proposal and working to make these efforts a reality so that it can be beneficial for all,” said Mr. Lim Chao Guan, a Year 1 maritime studies student

from Nanyang Technological University and team leader of 4KGoals, champion for the CMA CGM's challenge statement.



Team 4KGoals from Nanyang Technological University — Champion Team of CMA CGM

Quote from Rio Tinto and Champion Team

“It was heartening and inspiring to see students from diverse backgrounds taking on our challenge statement and showing keen interest in driving sustainable development in shipping, including human capital. Their creativity and enthusiasm to make a difference addressing complex matters, combined with their desire to learn through engagement with industry stakeholders beyond their mentors, give me confidence in our next generation of maritime leaders. Rio Tinto is proud to partner with the Singapore Maritime Foundation on this important initiative and we look forward to seeing these young leaders joining the industry and creating a better tomorrow,” said Ms. Laure Baratgin, Head of Commercial Operations, Rio Tinto.

“Everyone deserves a safe and fair workplace. Jessy and I sympathised greatly with the seafarers who have challenging jobs and spend long stretches of time away from home. As young female students, we are also excited that we may be able to encourage solutions pushing for greater diversity in the industry. We believe MCS 2023 and other similar challenges are crucial in providing students with an avenue to channel their creativity and apply their knowledge in the real world,” said Ms. Lye Hwee Woon Hazel,

a Year 3 business administration student from the National University of Singapore and team captain of Midnight Marine, the champion for Rio Tinto's challenge statement.



Team Midnight Marine from the National University of Singapore — Champion Team of Rio Tinto

Quote from Swire Bulk/Swire Shipping and Champion Team

“The quality of all the proposals was impressive, and I would like to thank our participants for their innovation, ideas, time, and passion. We selected Team CFRTT because they proposed feasible solutions that can aid in minimising fuel use for our vessels. We will consider ways to integrate these ideas as we structure our decarbonisation journey. Swire Bulk and Swire Shipping have enjoyed being part of this initiative that bridges universities and businesses. We see this as a good platform for future leaders to propose innovative concepts and ideas that can provide targeted solutions to real life problems,” said Ms. Susana Germino, General Manager, Sustainability and Decarbonisation, Swire Bulk and Swire Shipping.

“The maritime industry has traditionally been viewed as slow-moving. As young individuals, we believe it is our responsibility to drive a positive change and alter this perception. This case challenge has presented us with the opportunity to apply our knowledge and skills to real-world problems and devise innovative solutions. Our goal is to not only promote sustainable practices in the industry but also to inspire and attract

more young people to become future leaders in this field,” said Mr. Ho Siang Hong Luis, a Year 2 maritime studies student from Nanyang Technological University and team captain of CFRTT, the champion for Swire Bulk and Swire Shipping’s challenge statement.



*Team CFRTT from Nanyang Technological University and Singapore Institute of Management —
Champion Team of Swire Bulk and Swire Shipping*

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About the Singapore Maritime Foundation

Established in 2004, the Singapore Maritime Foundation (SMF) is a conduit between the public and private sectors to accomplish the twin mission of developing and promoting Singapore as an International Maritime Centre (IMC); and to attract, engage and grow a talent pipeline to position Maritime Singapore for continued growth. For details, visit <https://www.smf.com.sg>

The MaritimeONE Connect Office (MCO) runs a suite of programmes and platforms including Singapore’s only dedicated maritime careers portal <https://www.maritimeone.sg/home> to connect talent with opportunities.

About CMA CGM

Led by Rodolphe Saadé, the CMA CGM Group, a global player in sea, land, air and logistics solutions, serves more than 420 ports around the world across 5 continents, with a fleet of 593 vessels. The Group transported 21.7 million TEU containers (twenty-foot equivalent units) in 2022. With its subsidiary CEVA Logistics, a global logistics player which transported 522,000 tonnes of air cargo and more than 22 million shipments of inland freight, and its air cargo division CMA CGM AIR CARGO, the CMA CGM Group is constantly innovating to provide customers a comprehensive and increasingly efficient offering, thanks to new shipping, inland, air freight and logistics solutions.

Firmly committed to the energy transition in shipping and a pioneer in its use of alternative fuels, the CMA CGM Group has set a Net Zero-Carbon target for 2050.

Each year, via the CMA CGM Foundation, the Group supports thousands of children as part of its efforts to promote education for all and equal opportunities. The CMA CGM Foundation also intervenes in humanitarian crises requiring an emergency response by calling on the Group's shipping and logistics expertise to deliver humanitarian supplies around the world.

Present in 160 countries through its network of more than 400 offices and 750 warehouses, the Group employs 155,000 people worldwide, including nearly 4,000 in Marseille where its head office is located. Over 800 employees work in its Asia Pacific regional headquarter in Singapore.

About Rio Tinto

Rio Tinto is a leading mining and metals company, operating in 35 countries and producing high-quality iron ore, copper, aluminium, and other materials essential for the low-carbon transition. We are also the world's largest dry bulk shipper by volume, operating 17 vessels of our own and contracting a fleet of around 230 vessels at any given time.

Rio Tinto Marine (RTM), which is responsible for Rio Tinto's shipping operations, is critical to Rio Tinto's supply chains. Headquartered in Rio Tinto's global commercial hub in Singapore, a key focus of RTM's operation is ensuring industry-leading safety, environmental and operational standards, across the company's fleet of owned and third-party ships. For more information visit [riotinto.com](https://www.riotinto.com).

About Swire Bulk and Swire Shipping

[Swire Bulk](#) and [Swire Shipping](#) are the two shipping trading arms of the multinational Swire group.

Swire Bulk is a vessel owner and operator in the dry bulk sector, with a trading fleet of around 150 Handysize and Supramax vessels. Swire Bulk provides commercial services to transport commodities and breakbulk cargoes, including grains, steel, cement, logs and project cargoes. Swire Bulk was founded in 2012 and became a standalone company in 2021.

Swire Shipping is a leading provider of specialist customer solutions for a wide range of cargo and aims to provide a full suite of land and ocean solutions to our customers. The Company offers high frequency liner services for global transportation of containerized, refrigerated, breakbulk, heavy lift projects and mini-bulk cargoes. Swire Shipping has been in business since 1872 and over the years, the brand became synonymous with being a leader in providing sustainable liner shipping services in the Asia-Pacific markets.

The Fleet Efficiency team is a specialized department charged with collecting, analyzing, and optimizing the fuel usage of all Swire Bulk and Swire Shipping fleets.

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