



MAERSK

Oil tanking



YTL PowerSeraya  
YTL GROUP

## Multinational partnership aims to establish first green e-methanol plant in Southeast Asia

**April 6, 2022** – Six leading companies have formed a partnership that aims to establish Asia’s first green e-methanol plant which converts captured biogenic carbon dioxide (CO<sub>2</sub>) into green e-methanol, a low carbon fuel, that could enable a significant reduction in greenhouse gas emissions. The pilot plant will be set up in Singapore pending successful conclusion of feasibility studies by the end of 2022.

PTT Exploration and Production Public Company Limited (PTTEP), Air Liquide, YTL PowerSeraya Pte. Limited, Oiltanking Asia Pacific Pte. Ltd., Kenoil Marine Services Pte Ltd, and A.P. Moller - Maersk A/S have signed a Memorandum of Understanding (MoU) on a ‘Green Methanol Value Chain Collaboration’ which will explore the feasibility of establishing a green e-methanol pilot plant, with a minimum capacity of 50,000 tons per annum (TPA), the first of its kind in Southeast Asia.

This MoU marks a pivotal step towards transforming captured biogenic CO<sub>2</sub> and green hydrogen produced from renewable electricity into green e-methanol, making this low carbon fuel commercially accessible for the maritime industry.

The Maritime and Port Authority of Singapore (MPA) welcomes the formation of this industry partnership and its plan to leverage on Singapore’s hub port and research ecosystems to conduct feasibility studies on the set up of a pilot plant and running of bunkering trials on green e-methanol.

Green e-methanol is being considered as one of the candidates for alternate fuel to meet IMO 2030/2050 goals. This project will potentially yield a substantial carbon reduction impact. As one of the world’s premier maritime bunkering hubs, Singapore will serve as an ideal location to take this important step towards exploring alternative future fuel solutions to advance the multi-fuel transition of the global shipping industry.

The collaboration will commence with feasibility studies on technical and economic aspects of the green e-methanol pilot plant which are expected to be completed by the end of 2022. The project has the strong potential to support industry adoption and realisation of climate neutrality goals, making a meaningful contribution to the global efforts to reduce greenhouse gas emissions.

-----

### **About PTT Exploration and Production Public Company Limited (PTTEP)**

PTT Exploration and Production Public Company Limited (PTTEP) is Thailand's national petroleum exploration and production company. PTTEP maintains strengths of the company's E&P business for energy security while exploring investment opportunities in environmentally friendly energy through new technology and processes. We conduct business with concerns in the environment, society and corporate governance (ESG) for the stable and sustainable growth.

[www.pttep.com](http://www.pttep.com)

### **About Air Liquide Singapore Pte. Ltd.**

A world leader in gases, technologies and services for Industry and Health, Air Liquide is present in 75 countries with approximately 66,400 employees and serves more than 3.8 million customers and patients. Air Liquide's ambition is to be a leader in its industry, deliver long term performance and contribute to sustainability - with a strong commitment to climate change and energy transition at the heart of its strategy. Through the commitment and inventiveness of its people, Air Liquide leverages energy and environment transition, changes in healthcare and digitization, and delivers greater value to all its stakeholders.

[www.airliquide.com](http://www.airliquide.com)

### **About YTL PowerSeraya Pte. Limited**

YTL PowerSeraya is in the business of producing, wholesaling, trading and retailing of energy; with a primary focus on electricity. As an established player in Singapore's energy sector, it supplies the country's energy needs through its multi-utilities platform. The YTL PowerSeraya Group has two subsidiaries: the retail arm under the Geneco brand provides electricity price plans and energy solutions to homes and businesses; while PetroSeraya is the fuel management arm of the Group.

The YTL PowerSeraya Group is a wholly-owned subsidiary of YTL Power International Berhad.

<https://ytlpowerseraya.com.sg/>

### **About Oiltanking Asia Pacific Pte. Ltd**

Oiltanking GmbH is a subsidiary of Marquard & Bahls, an agile, independent holding company in the energy & chemical sector. Oiltanking is one of the largest independent tank storage providers for gas, chemicals and petroleum products worldwide. The company owns and operates 41 terminals in 18 countries in the Americas, Europe, Middle East, Africa, and Asia Pacific including China and India. Oiltanking has an overall storage capacity of more than 16 million cbm.

[www.oiltanking.com](http://www.oiltanking.com)

### **About Kenoil Marine Services Pte. Ltd.**

Kenoil Marine Services. is an established supplier and transporter of marine fuels based in Singapore. Preparing for the green economy in sustainability and decarbonisation, Kenoil plays an active role in alternative fuel projects, with the aim of contributing towards the growth of Singapore as a multi-fuel bunkering hub.

[www.kenoil.com](http://www.kenoil.com)

### **About A.P. Moller - Maersk A/S**

A.P. Moller - Maersk is an integrated container logistics company working to connect and simplify its customers' supply chains. As the global leader in shipping services, the company operates in 130 countries and employs 95,000 people.

[www.maersk.com](http://www.maersk.com)