

IBIA – GREEN MARINE METHANOL BUNKERING WORKSHOP

The introduction of methanol as a marine fuel signifies a significant shift towards a more sustainable and environmentally friendly practices in the maritime industry. As vessels increasingly adopt methanol as an alternative to traditional fuels, the importance of comprehensive training for all personnel involved in methanol bunkering becomes paramount. This shift is driven by the desire to reduce greenhouse gas emissions, improve air quality, and comply with stringent environmental regulations.

Training for methanol bunkering is essential to ensure the safety of personnel, protect the environment, comply with regulations, and maintain the overall efficiency and professionalism of bunkering operations. It contributes to a culture of safety, preparedness, and continuous improvement within the maritime industry.

IBIA, together with GREEN MARINE, is pleased to organise a one-day Methanol Bunkering Workshop on 20 March 2024, in Singapore.

Details of the Workshop

- Date: 20 March 2024, Wednesday
- Venue: PARKROYAL Collection Marina Bay, Singapore
- Time: 9 AM – 5PM

As space are limited, please do secure your spot early.

Below is an overview of the training outline:

- Methanol Chemical & Physical Properties: Understanding the key safe handling and transportation attributes.
- Health and Safety: Toxicological attributes, exposure routes, safety measures, and first aid.
- Fire Protection: Flammability characteristics, prevention, detection, and extinguishing techniques.
- Emergency Response: Mitigating accidental releases, spill prevention, and response actions.
- Methanol as a Marine Fuel: Examining the merits and methanol as a marine fuel.
- Methanol Dual Fuel System: Core concepts, ship design & construction rationale.
- Bunkering Operations & Bunkering Experience: Rules & regulations, methods of bunkering, compatibility assessment, joint plan of bunkering operations, pre-operation, alignment & agreement, connection & testing, fuel transfer, & post-operation.

Who Should Attend?

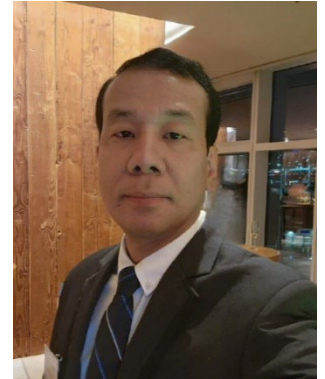
- Shore and ship personnel engaged in methanol bunkering operations, both receiving and supplying
- Bunker surveyors
- Maritime professionals interested in methanol bunkering

Join us for a greener maritime future.

Course Fee:

- IBIA Corporate Member: SGD\$1,500
- IBIA Non-Member: SGD1,950
- Group discount for 3 pax and above

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Capt Ariel Gaban

Director of Marine Operations & HSEQ at Green Marine Engineering

- Served as Director of Marine Operations & HSEQ at Green Marine Engineering.
- Acted as a bunkering consultant, overseeing methanol bunkering operations including the inaugural bunkering of the first methanol dual-fueled container vessel, conducting terminal-to-ship operations in Ulsan, and managing ship-to-ship transfers in Singapore and Port Said.
- Served as a Lecturer, providing specialized training in methanol dual-fueled ships and bunkering operations, and concurrently engaged as a collaborative research partner with Singapore Polytechnic in developing immersive technology for methanol bunkering.
- Operated as a consultant and subject matter expert in a range of methanol dual fuel new building integration projects, playing a key role in the project planning & design of new shipbuilding ventures.
- Held the role of shipbuilding manager and supervisor for 1st, 2nd, and 3rd Generation methanol dual fuel ships at Hyundai Shipyard, successfully delivering a total of 16 methanol-powered vessels.
- Accumulated 22 years of sailing experience, including 12 years as a Master Mariner on oil and chemical tankers, with significant time spent commanding methanol dual-fueled vessels.
- Co-founder and integral member of the Iloilo Merchant Marine School.
- Earned a Bachelor's Degree in Marine Transportation from the Philippine Merchant Marine Academy.

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Time	Programme
08:30-09:00	<i>Registration</i>
09:00-09:15	Introduction and overview of the Current State of Methanol Bunkering Worldwide Chris Chatterton, COO, Methanol Institute
09:15-09:45	Methanol Chemical & Physical Properties, Fuel Specification
09:45-10:15	Health, Safety & First Aid
10:15-10:30	<i>Break</i>
10:30-11:15	Presentation by Draeger and Product Demonstration
11:15-12:00	Fire Protection & Emergency Response
12:00-12:30	Methanol as Marine Fuel / Regulatory Framework
12:00-13:00	<i>Lunch Break</i>
13:00-14:00	Methanol Dual Fuel System Description
14:00-14:30	Methanol Bunkering Manifold
14:30-15:00	Manifold Connection - Manntek
15:00-15:15	<i>Break</i>
15:15-16:15	Methanol Bunkering Operation & Experience
16:15 – 16:30	Bunker Sampling with VPS
16:30-17:00	Q&A Session & Wrap-up

** Timing stated will be adjusted by trainer if extension needed*