



RINA

NSW Section



IMarEST

**ACT & NSW
Branch**

RINA&IMarEST Technical Presentation

IMO Navigates the Age of Alternative Marine Fuels

Presenter	Robert McMahon Marine Engineer and Energy Consultant/Auditor
Date	Wednesday 2 August 2023
Time	6:00 pm AEST refreshments 6:30 pm AEST presentation
Venue in person	Henry Carmichael Theatre Level 1, Sydney Mechanics School of Arts 280 Pitt St, Sydney
online	URL and password will be advised prior to the presentation

Registration for the presentation is required (see below)

IMO has turned up the heat on ship owners, managers, and seagoing personnel by strengthening mandatory regulations and telegraphing full speed ahead to ships' decarbonisation and net zero GHG emissions targets.

Ship owners are demonstrating a surge of interest in energy-efficient improvements in vessels, reducing energy consumption in existing ships, effective supply-chain planning, and in building highly-efficient IMO-compliant, safe and profitable new vessels.

This presentation looks at current IMO regulations and shows a selection of information on owner approaches to different vessel types, and from present to future compliance with statutory safety rules, emissions regulations and crew-training requirements.

Included in the discussion are the pros and cons of the chemical and physical properties of different marine fuels, from diesel through alternate drop-in biofuels, LNG and methanol, to high-fire-risk hydrogen and highly-toxic-to-humans ammonia, electric systems and nuclear power, plus sail assist, AI assist and digital monitoring.

In conclusion, many known problems and side-effect issues still require resolution to reach a safe IMO green-energy nirvana with net zero ships' emissions from well to wake.

Registration Registration for this presentation may be completed at

<https://forms.gle/tzSYQvKzfx7rY6WJ6>

Registrations close at 6:00 pm AEST on Tuesday 1 August. Registration for in-person attendance is required to gauge numbers for catering. Those registered for online participation will be emailed the Zoom meeting ID and passcode on the evening of 1 August.

Register and put this date in your diary now, and we look forward to you joining the presentation.