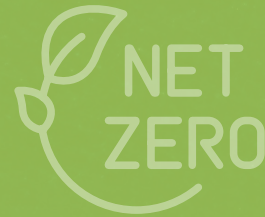




# Maritime Industry Decarbonisation Symposium 2025



**Thursday 30  
October 2025**

University of Strathclyde  
Technology & Innovation  
Centre, 99 George Street,  
Glasgow, G1 1RD



The pathways to achieve net-zero emissions targets are associated with considerable uncertainty.

Stringent environmental regulations, volatile fuel prices, alternative fuels, development of emerging technologies and concerns around supply chains and infrastructure present both challenges and opportunities to the maritime industry.

The need to address these contemporary challenges within the maritime industry has never been greater.

In doing so, the IMarEST Scottish Branch is organising its first symposium:  
Maritime Industry Decarbonisation - The Paradigm to Achieve Net-Zero Targets.

This event will bring together scientists, engineers and other professionals from across academia, government, research institutions and industry bodies.

**REGISTRATION:** <https://www.imarest.org/events/maritime-industry-decarbonisation-symposium-2025.html>

09:00	<b>WELCOME ADDRESSES</b> <b>Cdr Robert Prideaux</b> , FIMarEST, CEng, CMarEng, Scottish Branch Chair
09:15	<b>MSP Paul Sweeney</b> , Chair, Cross-Party Group in the Scottish Parliament on Maritime and Shipbuilding

### SESSION ONE: DECARBONISATION

**Chairs:** **Prof Gerasimos Theotokatos** FIMarEST, DNV Professor of Safety of Marine Systems, University of Strathclyde; **Prof Ibrahim Abdelaty**, FIMarEST, CEng, CMarEng, University of Strathclyde

09:30	<b>CMAL – A JOURNEY TO NET ZERO</b> <i>Speaker: <b>Lewis Hammell</b>, Caledonian Maritime Assets Limited (CMAL)</i>
09:45	<b>PRACTICAL EXPERIENCE OF HYBRID OPERATIONS AND FUTURE OF DECARBONISING SCOTTISH WEST COAST FERRIES</b> <i>Speaker: <b>Alex Cross</b>, CalMac Ferries Ltd</i>
10:00	<b>DELIVERING LONDON'S FIRST FULLY ELECTRIC CO-PAX FERRY – LESSONS FOR DECARBONISING OUR MARITIME FUTURE</b> <i>Speakers: <b>Tim Beckett</b>, <b>John Monasta</b> and <b>Matt Jennings</b>, Beckett Rankine</i>
10:15	<b>DATA DRIVEN OPERATIONS IN MARITIME DECARBONISATION: ENABLER OF PROGRESS OR HIDDEN ENVIRONMENTAL BURDEN</b> <i>Speakers: <b>Jack Howard</b> and <b>Rowan Wilkinson</b>, BMT</i>
10:30	<b>SESSION Q&amp;A</b>
10:45	Refreshment break

### SESSION TWO: SUSTAINABLE TECHNOLOGIES AND INNOVATION

**Chair:** **Sol Judah** FIMarEST, Honorary Professor, University of Strathclyde

11:15	<b>OUTCOMES AND FINDINGS FROM THE IMO 'HYWINDSHIPS WORKSHOP</b> <i>Speaker: <b>John Butler</b>, Business Stream Director, Global Maritime</i>
11:30	<b>ENVIRONMENTAL-ECONOMIC SUSTAINABILITY OF HYDROGEN AND AMMONIA FUELS FOR SHORT SEA SHIPPING OPERATIONS</b> <i>Speaker: <b>Prof Gerasimos Theotokatos</b> FIMarEST, University of Strathclyde</i>
11:45	<b>GREEN SHIPPING: TECHNOLOGICAL INNOVATION AND LEGAL RISKS</b> <i>Speaker: <b>Pia Rebelo</b>, Stephenson Harwood LLP</i>
12:00	<b>SESSION Q&amp;A</b>
12:15	Lunch

### SESSION THREE: LOW AND ZERO CARBON FUELS

**Chair:** **Mark Sinclair** MIMarEST, Technical Key Account Manager, Lloyds Register

13:15	<b>ALTERNATIVE FUELS SHORESIDE STORAGE VESSEL DESIGN</b> <i>Speaker: <b>Dr Thomas Beard</b>, BMT</i>
13:30	<b>SUSTAINABILITY CHALLENGES: MARINE FUEL SUPPLIER PERSPECTIVE</b> <i>Speakers: <b>Emily Kyle</b> and <b>Michael Atkinson</b>, World Fuel Services</i>
13:45	<b>RETROFITTING FOR REALISM: ESTABLISHING DUAL-FUEL LNG AS A PRACTICAL DECARBONISATION STRATEGY</b> <i>Speakers: <b>Arunanshu Jha</b> and <b>Ashutosh Awadhesh Singh</b>, Indian Maritime University, Kolkata Campus</i>

### SESSION THREE: LOW AND ZERO CARBON FUELS – CONTINUED

**Chair:** **Mark Sinclair** MIMarEST, Technical Key Account Manager, Lloyds Register

14:00	<b>Q&amp;A</b>
14:15	Refreshment break

### SESSION FOUR: UK PORTS, INFRASTRUCTURE AND SUPPLY CHAINS

**Chair:** **Iain Anderson** MIMarEST, Technical Specialist, Calmac Ferries

14:45	<b>UK MARITIME DECARBONISATION SUPPLY CHAIN – OPPORTUNITIES AND CHALLENGES</b> <i>Speaker: <b>Nikki Ng</b>, Technical Specialist, Lloyds Register</i>
15:00	<b>WET STORAGE AT CONSTRUCTION PORTS FOR FLOATING OFFSHORE WIND TURBINES</b> <i>Speaker: <b>Alan Crowle</b>, University of Exeter</i>
15:15	<b>PORTS AS ENERGY HUBS: A CHANCE TO SUSTAIN ISLAND CONNECTIVITY?</b> <i>Speakers: <b>Dr Thomas Beard</b> and <b>Tania Berry</b>, BMT</i>
15:30	<b>PORT INFRASTRUCTURE AND SAFETY REQUIREMENTS FOR AMMONIA BUNKERING OF OCEAN-GOING VESSELS: A COMPARATIVE, ENHANCED, AND REPLICABLE FRAMEWORK</b> <i>Speaker: <b>Mohammad Mirzaei</b>, Liverpool John Moores University</i>
15:45	<b>ONSHORE POWER SUPPLY: IDEALISM OR FALLACY?</b> <i>Speakers: <b>Tania Berry</b> and <b>Thomas Beard</b>, BMT</i>
16:00	<b>Q&amp;A</b>

### SESSION FIVE: HUMAN ELEMENT AND SKILLS GAP

**Chair:** **Dr Thomas Beard** MIMarEST, Clean Shipping Service Lead, BMT

16:15	<b>A SYSTEMIC HUMAN FACTOR ANALYSIS FOR ENHANCED SAFETY IN MARITIME DECARBONISATION</b> <i>Speaker: <b>Dwitya Waskito</b>, University of Strathclyde</i>
16:30	<b>GREEN SEAFARING INITIATIVE: CAPACITY BUILDING OF FILIPINO SEAFARERS IN A JUST TRANSITION TOWARDS A GREEN AND EFFICIENT MARITIME INDUSTRY</b> <i>Speaker: <b>Mao Tze Bayotas</b>, Maritime Academy of Asia and the Pacific</i>
16:45	<b>SYSTEMIC READINESS FOR MARITIME DECARBONIZATION: LEGAL MANDATES, EDUCATIONAL REFORM, AND HUMAN-CENTERED IMPLEMENTATION IN THE GULF</b> <i>Speakers: <b>Ashraf Ragab</b>, <b>Tarek Abouelela</b>, <b>Ahmed Isamil</b> and <b>Serdar Yildiz</b>, Sharjah Maritime Academy</i>
17:00	<b>HUMAN ELEMENT AND SKILLS GAP</b> <i>Speaker: <b>Shaun White</b>, Managing Director, Foreship UK</i>
17:15	<b>SESSION Q&amp;A</b>
17:30	<b>CLOSING REMARKS</b> <b>Cdr Robert Prideaux</b> , FIMarEST, CEng, CMarEng, Scottish Branch Chair
17:45	<b>DRINKS RECEPTION</b>