

THE MOTORSHIP 46TH 2025 PROPULSION & Future Fuels Conference

Powering shipping's emissions-cutting ambitions

Propulsion & Future Fuels is the longest-running technical conference in the shipping & marine engineering sector providing senior executives with a meeting place to learn, discuss, and share knowledge of the latest developments in efficient propulsion technology and low flashpoint, low carbon fuels.

25 TO 27 NOV 2025 | Hamburg
Germany

Conference Programme

Empire Riverside Hotel

Powering shipping's emissions-cutting ambitions

This year's conference tackles the most urgent topics in alternative fuels and vessel design, with expert sessions exploring ammonia's potential and safety concerns, hydrogen and fuel cells' technical and commercial readiness, and how ship design is evolving to accommodate new fuel types. The agenda also examines the role of bio-LNG and e-LNG in meeting regulations, shares real-world lessons on methanol, and questions whether biofuels are a long-term solution or a short-term fix. Additional sessions look at the challenge of scaling up wind propulsion and the feasibility of onboard carbon capture in a complex regulatory landscape.

Hear from C-suite leaders, regulators and technical experts, and connect with peers at the forefront of maritime innovation. Don't miss the Motorship Awards and two days of crucial conversation driving the energy transition.

Chairmen:

Lars Robert Pedersen, Deputy Secretary General, BIMCO
Dr. Markus Münz, Managing Director, VDMA Large Engines

Moderators:

Gavin Allwright, Secretary General, IWSA
Philipp Simmank, Technical Advisor, VDR – German Shipowners' Association

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#MotorshipPFF



DAY ONE - TUESDAY 25 NOVEMBER 2025

08:00 Coffee & Registration

09:00 Chairman's welcome
Lars Robert Pedersen, Deputy Secretary General, BIMCO

09:15 Gold sponsor welcome
Dr. Olaf Doerk, Head of Advisory Center Hamburg, DNV, Maritime

KEYNOTE ADDRESS: IMO development update

09:25 *Lars Robert Pedersen, Deputy Secretary General, BIMCO*

KEYNOTE ADDRESS: IMO NET-ZERO FRAMEWORK – STAYING THE COURSE

09:40 *Dipl.-Ing. Torsten Mundt, Senior Government Official, Federal Ministry of Transport*

KEYNOTE PANEL: Regulatory Update

09:55 *Panel Moderator: Markus Munz, Managing Director, VDMA Large Engines*

Panellists include:

Dr.-Ing. Christoph Thiem, Director Fleet Innovation & Projects, Hapag-Lloyd

Pernille Dahlgaard, Chief Impact Officer, Mærsk Mc-Kinney Møller Center for Zero Carbon Shipping

Maria Skipper Schwenn, Director of Environmental Regulatory Affairs, Group Commercial, Bunker Holding Group

Dipl.-Ing. Torsten Mundt, Senior Government Official, Federal Ministry of Transport

Lars Robert Pedersen, Deputy Secretary General, BIMCO

10:45-11:15 Coffee and Networking



*invited

Session 2.1: The Ammonia Debate

Sustainable Shipping or Safety Concern? A promising sustainable fuel, or do safety concerns impact its chances of becoming a viable alternative fuel?

- 11.15** *Moderator: Lars Robert Pedersen, Deputy Secretary General, BIMCO*
- 11.18** **Ship fuel readiness in practice**
Mia Elg, R&D Manager, Deltamarin
Review of key technical considerations in ship design regarding fuel readiness and fuel flexibility with examples of Höegh Autoliners Aurora class ships.
- 11.31** **Ammonia as ship fuel - Sustainable Shipping or Safety Concern?**
Benjamin Scholz, Ship Type Expert Gas Carriers / LNG as Fuel Stability & Safety DNV Maritime
A promising sustainable fuel, or do safety concerns impact its chances of becoming a viable alternative fuel?
- 11.44** **Challenges, Successes, and Stage Victories: Establishing Ammonia as a Marine Fuel**
Dr. Andreas Schmid, Senior Advisor R&D, WinGD
WinGD's collaborative approach transformed ammonia's technical and safety challenges into milestones, culminating in the successful 2025 launch of its efficient, low-emission XDF-A engine.
- 11.57** **Futureproof your vessel to be adjustable to meet the regulatory restrictions on emissions**
Andreas Hambücker, Head of Innovation and Development, TGE Marine Gas Engineering
Ammonia offers a viable path to net-zero shipping, with existing technology enabling decarbonisation, pending bunkering infrastructure and green ammonia scale-up.
- 12.10-12.30** **Questions & Answers Session**

Session 2.2: Hydrogen and Fuel Cells

Unlocking Decarbonisation Potential. Exploring technical feasibility, operational challenges, and commercial potential.

- 11.15** *Moderator: Gavin Allwright, Secretary General, IWSA*
- 11.18** **Fuel Cell Safety – A Class Perspective**
Dr. Eng. Thomas Bayer, Lead Specialist - Fuel Cell Technology, Lloyd's Register Group Limited, Lloyd's Register
Fuel cells offer a promising way to decarbonize shipping, but associated risks and hazards require appropriate safeguards – an introduction to fuel cell safety and LR's Class Rules.
- 11.31** **Review of fuel cell solutions to support maritime decarbonization**
Sami Kanerva, Global Product Manager for fuel cell solutions, ABB Marine & Ports
Presentation of scalable fuel cell solutions supporting green power generation onboard marine vessels and shore power in port.
- 11.44** **Hybrid LNG–LH₂ Systems: Powering the Smooth Transition to Cleaner Fuels**
Martin Kalecky, Product Manager for Marine Systems - Marine (Global), Chart Industries
Hydrogen adoption through hybridisation—LNG today, LH₂-ready tomorrow—delivered by a hybrid fuel system, fuel blending, and a business case owners can execute
- 11.57** **Pioneering a Zero Emissions Fleet**
Sara Ravazza, Managing Director, FutureProof Shipping
Hydrogen-powered vessels, part of a sustainable future. More players = more opportunities.
- 12.10-12.30** **Questions & Answers Session**

12:30-14:00 **Lunch & Networking**

THE MOTORSHIP PROPULSION & Future Fuels Conference **award**

SESSION 3: WINNING SOLUTIONS

14:00 *Lessons learned from a previous Motorship Award winner*

Henning Steffen, Sales Director Europe, bound4blue

Suction Sails for Sustainable Shipping: One Year of Progress and Lessons Learned

SESSION 4: THE MOTORSHIP AWARDS

14:20-15:00 *Panel Moderator: David Stevenson, Mercator Media, The Motorship Editor*

Nominees include:

Fueling the Future: Collaborative Innovation Behind Norway's Hydrogen Ferry Breakthrough

Paul Herbert, Principal Technology Specialist, Lloyd's Register

Pioneering hydrogen-powered ferries through bold innovation, technical excellence, and cross-sector collaboration to accelerate maritime decarbonisation and regulatory compliance.

BioHFO – In-Line Biofuel Processing System for Decarbonising Existing Vessels

Jorge Manuel Gomes Antunes, CEO, Tecnoveritas

Showcasing how onboard fuel processing can seamlessly integrate biofuels with conventional fuels, enabling savings, economic and compliant fleet decarbonisation.

T-BOSS® – A New Sustainable Ship Design Lowering CAPEX, OPEX and Eliminating Pollution Risk

Martin Linder, Merchant Fleet Business Development Manager Northern Europe, Thordon Bearings

Eliminating the traditional stern tube and uses a single seawater lubricated bearing that offers extra cargo or engine room space reducing OPEX, improving EEDI and eliminating oil pollution.

Global Maritime Carbon Regulation Compliance Management

Ralf Garrn, Managing Director, OceanScore



15:00-15:30 Coffee and Networking

Session 5.1: Next Generation LNG: BIO-Methane and E-Methane <i>Given stringent regulations and targets, what new options are available.</i>	Session 5.2: Navigating Methanol: Findings and Fixes. <i>An industry view on availability, production, solutions and findings for methanol powered vessels.</i>
15.30 <i>Moderator: Lars Robert Pedersen, Deputy Secretary General, BIMCO</i>	15.30 <i>Moderator: Philipp Simmank, Technical Advisor, VDR – German Shipowners' Association</i>
15.33 Re-Refined Base Oils : A Sustainable Path for Marine Lubricants. <i>Vladimir Shnurkov, Technical Manager, Gulf Marine</i> RRBO – Integrated advance Marine Sustainability by reducing Emissions , proven by Ship Trials and Rigorous Lab Tests	15.33 Kamsarmax Methanol Retrofit: Technical and Economic Considerations <i>Evangelos Fragkoulis, Head of Ship Design, Mærsk Mc-Kinney Møller Center for Zero Carbon Shipping</i> This study analyses the technical and economic feasibility of retrofitting an 82k DWT bulk carrier to methanol dual-fuel, highlighting key challenges and opportunities.
15.51 "Next Generation LNG Solutions: Enabling the Energy Transition with GTT Technologies" <i>Can Murtezaoglu, Business Development Manager, EMEA, Commercial Division, GTT</i> With innovation at its core, GTT technologies are accelerating LNG and Bio-LNG adoption, enabling the maritime sector to meet future decarbonization targets and regulatory demands.	15.51 Maritime Power-to-X; Enabling Scalable Green Met <i>David Surplus, Founding Director, BgEnergy</i> The use of road mobile ISO tanks to deliver green methanol as a fuel to ro-ro freight ferries and return captured CO2 to an e-methanol synthesis plant, thereby delivering zero emission performance.
16.04 Biomethane and Bio-LNG for the Maritime sector: Qualities, Market Development and Prices <i>Henning Dicks, Managing Partner, agriportance GmbH</i> Reviews biomethane and Bio-LNG qualities, specifications, price trends, and current and future availability across key European maritime markets.	16.04 Methanol FSS : Status of Technologies and Field Experiences <i>Luca Lori, Application Engineer Fuel Supply Systems, Alfa Laval, Marine Division</i> Alfa Laval has consolidated 10 years of presence in methanol propulsion. An overview of the status of the application and of the field experience.
16.17 Enabling methane's role as a preferred marine fuel with next generation ME-GI engines <i>Rasmus Holm Bidstrup, Director and Head of Two-Stroke Promotion for newbuildings, Everllence</i> Advancing methane as a key marine fuel through next-generation ME-GI engines, delivering superior efficiency, reliability, and minimal methane slip	16.17 <i>TBC</i>
16.30-16.45 Questions & Answers Session	16.30-16.45 Questions & Answers Session

16:45-17:00 Conference Wrap up with Moderators and Chairmen

Moderators:

Lars Robert Pedersen, Deputy Secretary General, BIMCO

Markus Münz, Managing Director, VDMA Large Engines

Gavin Allwright,, Secretary General, IWSA

Philipp Simmank, Technical Advisor, VDR – German Shipowners' Association

17:00-18:00 Welcome Drinks Reception and Announcement of Motorship Award Winner

18:30- 21:00	Conference Dinner
	BLOCKBRÄU , Bei den St. Pauli-Landungsbrücken 3, 20359 Hamburg, Germany

DAY TWO - Wednesday 26 November 2025

08:30 Coffee & Registration

09:00-09:15 Recap of day 1 by Chairmen

Dr. Markus Münz, Managing Director, VDMA Large Engines

SESSION 1: Biofuels: Credible Path or short-term fix?

Are biofuels really a credible solution to the decarbonisation challenge?

09:15 Moderator: Lars Robert Pedersen, Deputy Secretary General, BIMCO

09:18 Cruising with biofuels: Charting a course for decarbonization

Stefan Fahrholz, Manager R&D - Decarbonisation, Carnival Maritime

Exploring biofuels as a pathway to cruise decarbonization, amid uncertainty over their role in achieving climate goals

09:31 Navigating the Decarbonization Transition

Mustafa El Zein, New Fuel Advisor, Glander International Bunkering

Exploring key regulatory compliance challenges and strategies, focusing on the EU ETS and FuelEU Maritime decarbonisation requirements

09:44 BioHFO – In-Line Biofuel Processing System for Decarbonising Existing Vessels

Jorge Manuel Gomes Antunes, CEO, Tecnoveritas

Showcasing how onboard fuel processing can seamlessly integrate biofuels with conventional fuels, enabling savings, economic and compliant fleet decarbonisation.

09:57 Biofuels: credible path or carbon compromise?

Emanuele Della Ragione, Executive Engineer, Grimaldi Group

Biofuels offer a practical bridge for maritime decarbonization, balancing immediate emission reductions with sustainability challenges and future zero-carbon fuel development.

10:10-10:30 Q&A

10:30-11:00 Coffee and Networking

SESSION 2: Harnessing the Power of Wind: Scaling up to meet demand

Tackling the challenges on standardisation, installation and regulation – how does the industry scale up to meet demand?

- 11:00** *Moderator: Gavin Allwright, Secretary, International Windship Association (IWSA)*
- 11:03** *Lauren Eatwell, Head of WindWings®, BAR Technologies*
Summary of WindWings® installations and BAR Tech's advanced simulation-to-on-water-testing design process, plus the passive 3-element philosophy and rapid scale-up for rising global demand.
- 11:16** **Harnessing the Power of Wind: Scaling up to meet demand**
Dr. Uwe Hollenbach, Senior Principal Engineer, Ship Performance Center, DNV, Maritime Advisory
DNV's recommended practice for the in-service performance verification of WAPS equipped ships.
- 11:29** **Wise Use of Energy – A Practical Pathway to Net Zero**
Jan A. Opedal, Project Manager, Ship Management, Technology Odfjell Management AS
Odfjell shares its energy efficiency journey, exploring wind-assisted propulsion and biofuels as practical, complementary pathways toward achieving 2050 decarbonisation goals.
- 11:42** **Challenges in performance assessment for wind propulsion**
Julien Ducarne, Chief Technical Officer, Computed Wing Sail
Shipowners face rising decarbonisation pressure and unproven technologies. This talk highlights key dilemmas and projects standardising performance assessment to reduce uncertainty and guide decisions
- 11:55-12:15** **Q&A**
- 12:15-13:25** **Lunch and Networking**

SESSION 3: Onboard Carbon Capture: Feasibility of storing emissions onboard?

Navigating the regulatory minefield and the considerations for weight, purity, handling and storage.

- 13:25** *Moderator: Dr. Markus Münz, Managing Director, VDMA Large Engines*
- 13:28** **Wärtsilä carbon capture solution**
Stian Aakre, General Manager, Technical and R&D, Wärtsilä Exhaust Treatment
Wärtsilä successfully installed the world's first full scale carbon capture system on a ship in February 2025. Learn more about the technology, experiences and challenges.
- 13:41** **Carbon Capture Storage: an emission-reducing solution**
Frédéric Le Moullec, Commercial Manager - Value Maritime
Onboard Carbon Capture and Storage (OCCS) and the carbon value chain – start now, scale up, cut emissions today with conventional and alternative fuels.
- 13:54** **The Role of CO₂ Barges in Carbon Capture and Storage (CCS)**
René Sejer Laursen, ABS, Director – Fuels & Technology Global Sustainability
Reducing emissions with CO₂ barges; offering a vital solution to transportation challenges between source and storage.
- 14:07** **Techno-Economic Comparison of Carbon Capture Technologies for a Ship Use Case**
Peter Ranacher, Research Engineer, LEC GmbH
Based on a representative cruise ship case study, cryogenic and membrane-based carbon capture technologies are evaluated against amine gas treating by system simulation.
- 14:20-14:40** **Q&A**
- 14:40-15:10** **Coffee and Networking**

SESSION 4: Unlocking Maritime Advantage with Advanced Nuclear Power

15:10 *Moderator: Dr. Markus Münz, Managing Director, VDMA Large Engines*

Jez Sims, Principle Nuclear Authority - Marine and Offshore, Lloyd's Register

Is a standardised, modular nuclear power model, with harmonised regulation and fleet integration frameworks, a viable path to scalable, zero-emission shipping?

SESSION 5: Retrofit: Forward thinking solutions to enable vessels to transition into new fuels

15:25 *Moderator: Philipp Simmank, Technical Advisor, VDR – German Shipowners' Association*

15:28 **Integrated propulsion efficiency solution powered by Accelleron and Caterpillar**

David Cafarelli, Global Sales & Application Engineering Manager, Accelleron

Ole Frydek, Solution Sales Project Manager, Caterpillar Motoren GmbH & Co. KG

Joint retrofit solution by Accelleron and Caterpillar to boost engine efficiency, cut emissions and fuel use, and enable compliance with evolving regulations.

15:41 *Reto Schmid, Senior Project Manager - Retrofit Solutions, WinGD*

15:54 **Designing for transition: Retrofit gains and future-ready newbuilds**

Martin Wattum, M.Sc., Head of Energy Efficiency projects, Klaveness Combination Carriers

How retrofit projects are improving efficiency and compliance today, while minor newbuild design tweaks enable cost-efficient future fuel transitions with minor upfront costs.

16:07 **Engine Retrofits- A competitive advantage**

Amar Parikh, Head of Decarbonization Retrofits, Everllence

Evolving regulations present an opportunity for shipowners and operators to invest in retrofit solutions that enhance engine efficiency, boost performance and align existing ships with modern standards.

16:20-16:40 **Q&A**

16:40-17:00 **Conference Wrap up with Moderators and Chairmen**

Moderators:

Lars Robert Pedersen, Deputy Secretary General, BIMCO

Markus Munz, Managing Director, VDMA Large Engines

Gavin Allwright, Secretary General, IWSA

Philipp Simmank, Technical Advisor, VDR – German Shipowners' Association

17:00 **Conference Close**

DAY THREE - Thursday 27 November 2025

TECHNICAL VISIT

Fraunhofer Center for Maritime Logistics and Services CML

Conference Fee	Booking Online	BOOKING FORM
<p>Cost per delegate Premium rate:</p> <p>€2,730</p> <p>Premium fee includes:</p> <ul style="list-style-type: none">• Conference Attendance with lunch and refreshments on both days• Full documentation in electronic format• Place at drinks reception (19 November)• Place at conference dinner (19 November)• Place at technical visit (21 November) <p>Cost per delegate Standard rate:</p> <p>€2,625</p> <ul style="list-style-type: none">• Group booking discounts available• Special rate available for recognised educational establishments & ship operators <p>Please contact us for details All delegate registration fees are subject to German VAT at 19%</p>	<p>propulsionconference.com or complete and send the booking form to: sales@propulsionconference.com</p> <p>On receipt of your registration, you will be sent confirmation of your delegate place.</p> <p>Contact Us</p> <p>For further information on exhibiting, sponsoring, or attending the conference, contact the Sales team on:</p> <p>+44 1329 825335 or sales@propulsionconference.com</p>	
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- ☐ Conference Dinner (25th November 2025)
- ☐ Technical Visit (27th November 2025)

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