MARINTEC CRUISE INTERIORS: COMFORT, CULTURE, INNOVATION AT SEA
邮轮内装展区：舒适、文化、海上创新

Hall 展厅 N3

MARINTEC INNOVATION – ENERGYTEC: ALTERNATIVE ENERGY SOURCES AND ITS SUPPORT CHAIN
海事创新大会 – 未来能源展区：替代能源与供应链支持

Hall 展厅 N4

2 - 5. 12. 2025 | Shanghai 上海

Shanghai New International Expo Center
上海新国际博览中心

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MARINTEC INNOVATION – ENERGYTEC: ALTERNATIVE ENERGY SOURCES AND ITS SUPPORT CHAIN

海事创新大会 – 未来能源展区：替代能源与供应链支持

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MARINTEC CRUISE INTERIORS: COMFORT, CULTURE, INNOVATION AT SEA

邮轮内装展区：舒适、文化、海上创新

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13:40 - 14:00	**船舶电动化"价值锚点":全生命周期视角下的电池系统解决方案** **The True Value Proposition: Total Cost of Ownership for Marine Battery Systems** Liu Junling, Group VP & Head of Overseas Business & General Manager of Marine BU, CALB Group Co Ltd
14:00 - 14:20	**港口自动化与智慧港口:以一体化解决方案塑造港口运营的未来** **Port Automation & Smart Ports: Shaping the Future of Port Operations with Integrated Solutions** Jackie Huang, VP Operations, Trelleborg Marine & Infrastructure
14:20 - 14:40	**RINA 洞察:迈向可持续航运的未来** **RINA Insight: Moving Towards Sustainable Shipping Future** Fang Peng, Head of RINA Greater China Excellence Centre
15:00 - 16:00	**主题演讲:应对能源转型之路** **Keynote Address: Navigating the Energy Transition** Alexander Prokopakis, Executive Director, The International Bunker Industry Association, IBIA Chen Keng , Vice President, DNV Group Bjarne Foldager, Senior Vice President, Head of Two Stroke Business, Everllence Jing Ge, Head of Asset Portfolio Management Department (Shipping), ICBC Financial Leasing Co Ltd Hu Keyi, Chief Expert of China State Shipbuilding Corporation
16:00 - 17:00	**交流活动: 创新汇聚 , 由DNV 驱动** **Networking Activity Innovation Connects Powered by DNV**

3 December 2025 Wednesday | 2025年12月3日 星期三

10:00 - 12:00	**南通船舶与海洋工程产业专场推介会** **Nantong Special Promotion Event for Ship and Ocean Engineering Industry** 南通市人民政府 Nantong Municipal People' s Government *Private Event, by Invitation Only*
13:00 - 14:00	**替代燃料:勾勒船舶推进系统的未来图景** **Alternative Fuels: Charting the Future of Marine Propulsion** Bartosz Rozmyslowicz, Chairman, CIMAC WG7 Fuels Cynthia Gong, Senior Business Manager (Asia Pacific) Marine Fuel Supply System, Alfa Laval Karim Fahssis, Head of Decarbonisation, A.P. Moller-Maersk Pino Spadafora, Vice President, Marine Market Development, RINA Zhu Lei, Vice Dean of the School of Mechanical Engineering, Shanghai Jiao Tong University

Agenda subject to change

3 December 2025 Wednesday ｜2025年12月3日 星期三

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14:20 - 14:40	**超越动力定位** **Going Beyond DP** Alina Colling, Global Product Manager, ABB Marine & Ports
15:00 - 16:00	**电气化研讨:为新一代船舶提供动力** **Electrification Session: Powering the Next Generation of Vessels** Syb ten Cate Hoedemaker, Managing Director, The Maritime Battery Forum Chen Qiang, Director of Electric Propulsion of CAEV, Contemporary Amperex Electric Vessel Technology Co Ltd, CATL Wu Shunping, Chief Engineer, China Classification Society Wuhan Rules and Research Institute, Member of IACS Safe Decarbonisation Panel Ren Li, Country Manager China, Corvus Energy Anders Helland, Director Energy Storage, Kongsberg Maritime
16:00 - 17:00	**交流活动: 创新汇聚 , 由 CATL 驱动** **Networking Activity Innovation Connects Powered by CATL**

4 December 2025 Thursday ｜ 2025年12月4日 星期四

10:00 - 12:30	**CIMAC 内燃机交流圈** **CIMAC International Council on Combustion Engines** Christoph Rofka, Vice President Communications, CIMAC / President, Medium & Low-Speed Division, Accelleron, CIMAC Zhu Lei, Professor at Shanghai Jiao Tong University Dong JingJin, Ammonia Program Lead, WinGD Frank Yu, Vice President, Envision Energy, Tomohiro Hosaka, President, IHI Power Systems Co Ltd Yoshishige Sakai, Senior Manager, Reciprocating Engine Technical Department, Energy Solution Business Division, Energy Solution & Marine Engineering Company, Kawasaki Heavy Industries Ltd Bo Cerup-Simonsen, CEO of Mærsk Mc-Kinney Møller Center for Zero Carbon Shipping
13:00 - 14:00	**天然能源专题研讨会:利用风能、太阳能及其他能源** **Natural Sources Session: Harnessing Wind, Solar, and Beyond** Gavin Allwright, Secretary General, The International Windship Association, IWSA Gerrit Bunt, Sustainability Manager Future Shipping Team, Bureau Veritas Li Zhi, CEO, Dealfeng New Energy Technology (Tianjin) Co Ltd Makoto Yamaguchi, Executive Fellow , Mitsui O.S.K. Lines Jukka Kuuskoski, Chief Customer Operation Officer, Norsepower
14:00 - 14:20	**风力推进:船队的经济之选** **Wind Propulsion, an Economical Asset for Your Fleet** Adrien Benoist, Strategy and Developement Wind Propulsion , SolidSail by Chantiers de l' Atlantique

准确日程以现场实际情况为准

4 December 2025 Thursday | 2025年12月4日 星期四

14:20 - 14:40	**船用制氮机的类型迭代与未来发展趋势** **Iteration of Types and Future Development Trends of Marine Nitrogen Generators** Sam Pan, AGA BLM , Suzhou Since Gas Technology Co Ltd
15:00 - 16:00	**核能专题研讨会:重新审视远程海事能源** **Nuclear Power Session: Rethinking Long-Range Maritime Energy** Jez Sims, Chair of Project Manager for Nuclear Power Project Team, The International Association of Classification Societies, IACS Nikkii Ng, Technical Specialist - Process and Fire Safety / Technical Directorate, Lloyd' s Register Lin Qingshan, the Vice President of Jiangnan Shipyard(Group) Co Ltd Xie Kui, Professor of Shanghai Jiao Tong University Kirk Du, Deputy Managing Director of Ulstein Group
16:00 - 17:00	**交流活动: 创新汇聚 , 由 Lloyd' s Register 驱动** **Networking Activity Innovation Connects Powered by Lloyd' s Register**

5 December 2025 Friday | 2025年12月5日 星期五

10:40 - 11:00	**氨:未来的燃料** **Ammonia as Future Fuel** Kenneth Thorup, Sales Director, Eltronic Fueltech
11:00 - 11:40	**Vallianz和澄瑞电力合资公司成立&E-Tug项目签约仪式** **Announcement of the Vallianz-CRT JV and E-Tug Project Collaboration Signing** Wu Shengwei, Assistant Director of Engineering and Technology at Vallianz Holdings Limited, Chengrui Power Technology (Shanghai) Co Ltd

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Agenda subject to change

SESSION 会议环节

Danish Export Association

Innovation Through Collaboration – The Danish Approach to Greener Shipping

Denmark has long been at the forefront of advanced shipbuilding technologies and sustainable maritime solutions. This session will explore how Danish companies are leveraging cutting-edge design, green propulsion systems, and digitalization to meet global demands for efficiency and environmental compliance. Attendees will gain insights into collaborative opportunities and practical strategies for integrating innovative solutions into modern shipbuilding projects.

通过协作实现创新 —— 丹麦推动绿色航运的路径

丹麦长期以来在先进造船技术和可持续海事解决方案领域处于领先地位。本次会议将探讨丹麦企业如何利用尖端设计、green propulsion systems 和 digitalization，以满足全球对效率和环境合规性的需求。参会者将深入了解合作机遇，以及将创新解决方案融入现代造船项目的实用策略。

www.danishexport.dk / www.danishexport.com

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SPEAKER 演讲嘉宾

CALB Group Co Ltd

Liu Junling 刘俊灵

Vice President 集团总裁

The True Value Proposition: Total Cost of Ownership for Marine Battery Systems

Liu Junling is the Vice President of CALB, concurrently serving as the General Manager of the Marine Business Unit and the Head of Overseas Business. A seasoned leader with a proven track record in the new energy industry, Mr Liu is at the forefront of CALB' s strategic expansion into the global maritime sector. He is responsible for driving the company' s mission to provide safe, reliable, and high-performance battery system solutions for vessel electrification worldwide. Under his leadership, CALB' s marine division has rapidly advanced, establishing key partnerships with major shipbuilders and classification societies. His unique dual role, overseeing both the marine business and international operations, enables him to seamlessly align cutting-edge technology development with the specific needs of the global market. Mr. Liu is a passionate advocate for decarbonizing the shipping industry through innovative energy storage technologies.

The decision to electrify a vessel goes far beyond comparing the initial price per kilowatt-hour. For ship owners and operators, the true key lies in understanding the Total Cost of Ownership (TCO), a comprehensive analysis of the initial investment, operational energy consumption, maintenance expenses, and the asset' s residual value. CALB' s marine battery solution is engineered precisely around this concept of anchoring value. By leveraging battery cells with high energy density and extremely low internal resistance, we directly reduce operational energy costs. Superior cycle life and stability minimize long-term maintenance needs and performance degradation. Furthermore, our intelligent Battery Management System enables predictive maintenance, enhancing operational uptime and efficiency. Ultimately, our goal is to provide a solution that delivers not only utmost safety and reliability but also optimises the long-term economic value of your assets, ensuring that the journey to electrification is a strategically sound investment with a clear and compelling return.

船舶电动化“价值锚点”：全生命周期视角下的电池系统解决方案

刘俊灵先生现任中创新航能源科技股份有限公司副总裁，同时兼任海事事业部总经理及海外业务负责人。作为新能源行业经验丰富的资深领导者，刘先生正引领宁德时代战略性拓展全球海事领域。他负责推动公司使命，为全球船舶电气化提供安全可靠、高性能的电池系统解决方案。在其领导下，CALB海事事业部发展迅猛，已与多家主流造船企业及船级社建立关键合作伙伴关系。凭借统筹海事业务与国际运营的双重职责，他能够将前沿技术研发与全球市场需求无缝对接。刘先生始终致力于通过创新储能技术推动航运业脱碳进程。

船舶电气化的决策远不止于比较每千瓦时的初始价格。对船东和运营商而言，真正的关键在于理解全生命周期成本（TCO）- 这需要对初始投资、运营能耗、维护费用及资产残值进行全面分析。CALB的船舶电池解决方案正是围绕这一价值锚定理念精心打造。通过采用高能量密度、极低内阻的电池单元，我们直接降低运营能耗成本。卓越的循环寿命与稳定性最大限度减少长期维护需求和性能衰减。此外，智能电池管理系统实现预测性维护，提升设备运行时间与效率。我们的终极目标是提供既能保障最高安全可靠性，又能优化资产长期经济价值的解决方案，确保电气化转型成为具有清晰且极具吸引力的回报的战略性投资。

CALB
Trust Efficient Win-Win

SPEAKER 演讲嘉宾

Trelleborg Marine & Infrastructure 特瑞堡航运与基建

Jackie Huang 黄少雄

VP Operations
运营副总裁

Port Automation & Smart Ports: Shaping the Future of Port Operations with Integrated Solutions

Jackie Huang is a distinguished veteran with nearly four decades of profound industry expertise, currently serving as the Vice President of Operations for Trelleborg' s Marine and Infrastructure business unit. He is an alumnus of Dalian Maritime University, where he received a degree in Marine Engineering. He commenced his professional journey at the China COSCO Shipping Group, amassing substantial practical experience in ship management. He subsequently transitioned to multinational corporations, cultivating his expertise in sales & marketing at Alfa Laval over many years. In 2005, he joined the Trelleborg Group and has since presided over its business expansion and strategic investments in China. Under his leadership, Trelleborg successfully inaugurated two pivotal industrial product manufacturing facilities in Wuxi and Qingdao, and he also oversaw the establishment of a factory in Vietnam.

With the growing focus on digitalisation and sustainability within the maritime industry, ports worldwide are evolving to boost efficiency, safety, while ensuring secure and seamless transfer of energy. This presentation will explore how Trelleborg leverages its extensive expertise including advanced equipment systems, service and support, operational optimisation, and crew training to help deliver safe, efficient, and compliant energy transfer, vessel, and port operations. We will provide a complete walkthrough of our comprehensive range of solutions, expert crew training offerings and highlight how our range of products, from fender systems, navigation and pilotage tools, transfer systems to dredging support parts, integrates seamlessly to guarantee safe and efficient vessel and port operations. We will conclude with a case study on AutoMoor, showcasing how each of these aspects work cohesively to contribute to smarter and more efficient port ecosystem.

港口自动化与智慧港口：以一体化解决方案塑造港口运营的未来

黄少雄先生是拥有近40年深厚行业积淀的资深专家，现任Trelleborg特瑞堡航运与基建（Marine and Infrastructure Business Unit）运营副总裁。他毕业于大连海事大学，持有轮机工程专业学位，职业生涯始于中国远洋海运集团，积累了丰富的船舶管理实操经验。之后他转入跨国企业，在 Alfa Laval 多年深耕销售与市场营销领域，锤炼了专业能力。2005 年，黄先生加入 Trelleborg Group，此后一直主导集团在中国市场的业务拓展与战略投资。在他的领导下，Trelleborg 成功在无锡、青岛落成两座关键工业产品生产基地，同时他还主导了越南工厂的筹建工作。

随着海事行业日益聚焦于数字化和可持续发展，全球港口正不断升级，以提升效率、保障安全，同时确保能源传输的可靠与顺畅。本次演讲将探讨特瑞堡如何凭借其在先进设备系统、服务与支持、运营优化以及船员培训等领域的深厚专业知识，助力实现安全、高效且符合标准的能源传输及港航作业。并将全面介绍其一体化解决方案，并重点阐述该系列产品（从护舷系统、导航与引航工具、传输系统到疏浚支持部件等）如何无缝集成，以确保船舶与港口作业的安全与高效。演讲将以一个关于AutoMoor 的案例研究作为总结，旨在展示这些要素如何协同运作，共同打造一个更智能、更高效的港口生态系统。

SPEAKER 演讲嘉宾

RINA 意大利船级社

Fang Peng

Head of RINA Greater China Excellence Centre

RINA Insight: Moving Towards Sustainable Shipping Future

RINA Greater China Excellence Centre is located at its Shanghai Asia-Pacific headquarters, comprising a team of experienced experts with extensive coverage. The team includes experts in passenger ships, yachts, noise and vibration, decarbonisation and green energy for ships, electric propulsion batteries for ships, various types of vessels, ship optimisation, senior approval engineers, new regulation research and development teams, risk assessment, and cybersecurity teams. Fang Peng has extensive experience in the cruise ship, having worked at the Italian shipyard Fincantieri, where he was involved in the inspection and delivery of several large cruise ships. He has also participated in the design, construction, refurbishment, and inspection guidance of multiple cruise ships and Ro-Ro passenger ships in China.

Digitalisation & Autonomy: Initiatives like 5GMASS and GSAB 2 projects aim to enhance operational efficiency, safety, and connectivity through autonomous navigation and smart maritime systems.

RINA洞察：迈向可持续航运未来

RINA Greater China Excellence Centre 坐落于其上海亚太总部，由一支经验丰富、覆盖领域广泛的专家团队组成。该团队涵盖客船、游艇、噪声振动、船舶脱碳与绿色能源、船舶电动推进电池、各类船舶、船舶优化、高级认证工程师、新规研发团队、风险评估及网络安全团队等领域的专家。方鹏在邮轮领域经验丰富，曾任职于意大利芬坎蒂尼造船厂，参与多艘大型邮轮的检验与交付工作。他还参与了中国境内多艘邮轮及滚装客船的设计、建造、翻新及检验指导工作。

数字化与自主化：诸如 5GMASS和GSAB 2 等项目旨在通过自主导航和智能海事系统提升运营效率、安全性及互联互通能力。

www.rina.org

SESSION 会议环节

Alternative Energy Sources & Its Supply Chain Support
Keynote Address
替代能源与供应链支持
主题讨论

Navigating the Energy Transition

This opening session sets the stage for Energytec by addressing the global maritime industry' s energy challenges and opportunities. Senior executives will share strategic insights on decarbonisation pathways, regulatory frameworks, and investment priorities. The keynote will highlight the role of innovation, collaboration, and policy alignment in accelerating the shift toward sustainable marine energy.

After an insightful keynote and panel discussion, join us to unwind and continue the conversation at the Innovation Connects, powered by DNV Group from 16:00 -17:00. Enjoy refreshments, connect with peers, and toast to innovation and a sustainable maritime future!

应对能源转型之路

开幕会议将聚焦全球海事行业的能源挑战与机遇，为 Energytec 会议奠定基调。高管们将围绕脱碳路径、监管框架及投资重点分享战略洞见。主题演讲将重点阐述创新、合作及政策协同在加速向可持续海事能源转型过程中所发挥的作用。

在富有洞察力的主题演讲与小组讨论结束后，欢迎您于16:00-17:00参与由DNV Group支持的“Innovation Connects”交流活动，放松身心并继续深入探讨。活动期间将提供茶点，您可与同行建立联系，共同为创新及可持续海事未来举杯！

Moderator

Alexander Prokopakis, Executive Director, The International Bunker Industry Association, IBIA

Panellists

Chen Keng , Vice President, DNV Group

Bjarne Foldager, Senior Vice President, Head of Two Stroke Business, Everllence

Jing Ge, Head of Asset Portfolio Management Department (Shipping), ICBC Financial Leasing Co Ltd

Hu Keyi, Chief Expert, Jiangnan Shipyard (Group) Co Ltd

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MODERATOR 主持人

The International Bunker Industry Association, IBIA

Alexander Prokopakis

Executive Director

Navigating the Energy Transition

Alexander is the Executive Director of IBIA. Under the direction of IBIA' s Chair and Board he is leading the Secretariat, heading all the activities of the organisation and he is responsible for the overall management of the Association. Alexand er was the founder, CEO and the architect of probunkers. Prior to founding probunkers, he served Mamidakis Brothers Group as a senior executive, leading all of the Group' s Shipping, Bunkering and Aviation activities, through its respective companies: JetOil, JetTank and STYGA Compania Naviera. Alexander has over 25 years of professional experience in leadership positions, over which he has attained deep knowledge and expertise mainly in the industry of shipping and bunkering. He is a Graduate of St. John' s University with an MBA in Executive Management and holds a BSc Degree in Business Management from the State University of New York.

The International Bunker Industry Association, IBIA, is the voice of the global bunker industry and represents all stakeholders across the industry value chain. Our membership includes ship owners/operators, bunker suppliers, traders, brokers, barging companies, storage companies, surveyors, port authorities, credit reporting companies, lawyers, P&I clubs, equipment manufacturers, shipping journalists and marine consultants. Formed in 1993, today we have members in 70 countries. IBIA promotes improved standards, knowledge and understanding in the industry. We also advocate for effective, pragmatic and workable regulations. One of the most important arenas for that is at the International Maritime Organisation (IMO) where IBIA has consultative status as a non-governmental organisation.

应对能源转型之路

Alexander 担任 IBIA 执行董事。在 IBIA 主席及董事会的指导下，他领导秘书处开展工作，统管协会各项活动，全面负责协会的整体运营管理。Alexander 是 probunkers 的创始人、首席执行官及核心构建者。创立 probunkers 之前，他曾担任 Mamidakis Brothers Group 高级管理人员，通过集团旗下 JetOil、JetTank 及 STYGA Compania Naviera 等公司，主导集团所有航运、加油及航空相关业务。Prokopakis 先生拥有逾 25 年的高层管理岗位从业经验，在航运及加油行业积累了深厚的专业知识与丰富经验。他毕业于圣约翰大学，持有高级管理工商管理硕士 (MBA) 学位，同时拥有纽约州立大学商务管理理学学士学位。

The International Bunker Industry Association IBIA，是全球燃油行业的代言人，代表着整个行业价值链上的所有利益相关方。我们的会员涵盖船东/运营商、燃油供应商、贸易商、经纪人、驳船公司、储存公司、验船师、港口管理局、征信公司、律师、保赔协会、设备制造商、航运记者及海事顾问。协会成立于1993年，如今会员遍布70个国家。IBIA致力于提升行业标准、知识水平与认知理解，同时倡导制定有效、务实且可操作的法规。International Maritime Organisation IMO 是实现这一目标的重要平台，IBIA作为非政府组织在此享有咨询地位。

www.ibia.net

IBIA

PANELLIST 论会嘉宾

DNV

Chen Keng 陈铿

Vice President and Area Manager,
China South
集团副总裁兼中国南区总经理

Navigating the Energy Transition

Chen Keng currently holds the position of Vice President for DNV, takes operational responsibility as Maritime Area Manager for China South. His Tech educational background is BSc (1992) from Shanghai Jiaotong University and his business leadership education was main through designated program tailor made for DNV by IMD (Switzerland) in 2010. He has worked for DNV since 1997, previously holding technical positions as Surveyor, Project Manager and Auditor. From 2007 he started leadership journey by taking charge of operation for DNV Classification services in various geographical locations. In May 2016 he moved to Singapore for taking up Area Manager Singapore, Indonesia and Philippines. CK has been promotor for digitalization of Classification services and was Sponsor for Software development project for digital certification system – Synergi Steel.

应对能源转型之路

陈铿现任 DNV 集团副总裁，同时担任中国南区总经理，承担该区域运营管理职责。他的技术教育背景为上海交通大学理学学士学位（1992 年毕业），2010 年通过瑞士 IMD 为 DNV 量身定制的专项项目，完成商业领导力相关深造。

陈铿自 1997 年加入 DNV，早期曾担任验船师、项目经理及审核员等技术岗位。2007 年起开启管理生涯，负责多个地区的 DNV 船级社业务运营工作；2016 年 5 月调任新加坡，出任新加坡、印度尼西亚及菲律宾区域经理。他一直是船级社业务数字化转型的推动者，并曾担任数字化认证系统 ——Synergi Steel 软件开发项目的负责人。

DNV

PANELLIST 论会嘉宾

Everllence

Bjarne Foldager

Head of Two Stroke Business

Navigating the Energy Transition

Bjarne Foldager is Senior Vice President, Head of Two-stroke Business at Everllence, Copenhagen and is globally responsible for Everllence B&W Two-stroke engines and marine GenSets. Prior to this Bjarne Foldager worked more than 25 years in the A.P Moller Group where he held a number of different positions in Maersk Tankers and Maersk Line. He has international experience and besides Denmark has lived and worked in New York, Singapore and Malaysia. He has worked with all operational and commercial aspects of international shipping and been involved in multiple change processes.

At Everllence (former MAN Energy Solutions), we pioneer solutions for the world' s largest industries, engineering change for the better. For more than 250 years, we have brought about some of the most impactful innovations in advanced engineering and complex systems always considering a challenge within the larger context and searching for solutions that advance sustainable progress for all.

应对能源转型之路

Bjarne Foldager 担任Everllence高级副总裁、二冲程业务负责人（任职于哥本哈根），全面负责全球范围内Everllence B&W 二冲程发动机及船用发电机组业务。在此之前，Bjarne Foldager 于 A.P Moller Group 任职超过 25 年，期间在 Maersk Tankers 与 Maersk Line 担任多个不同职位。他拥有丰富的国际工作经验，除丹麦外，曾在纽约、新加坡及马来西亚生活和工作，深耕国际航运领域的运营与商务全流程，参与过多个变革项目。

在Everllence（原MAN Energy Solutions），我们为全球最大型工业领域开创解决方案，以工程技术推动变革，创造更美好的未来。250余年来，我们始终立足宏观视角审视挑战，致力于推动先进工程与复杂系统领域的重大创新，不断探索促进全人类可持续发展的解决方案。

www.everllence.com

Everllence

PANELLIST 论会嘉宾

ICBC Financial Leasing Co Ltd 工银金融租赁有限公司

Jing Ge 景戈

Head of Asset Portfolio Management Department (Shipping)
海事资产运营部主管

Navigating the Energy Transition

JING Ge, the head of Asset Portfolio Management Dept. (Shipping) of ICBC Financial Leasing Co.,Ltd, is in full charge of Maritime Asset Management, Contract Execution Disposal of Risky Assets and SPV Operation in maritime business sector. Prior join ICBC Leasing, he worked in 2 state-owned mining and upstream oil and gas company. After joined ICBC Leasing on July 2015, he also served in the Cross-border Energy Finance Division and the Legal Department. He has extensive experience in both Shipping and Offshore area, particularly in the disposal of risky assets business and full life cycle asset management.

ICBC Financial Leasing Co.,Ltd was established on November 28, 2007, as the first bank-affiliated financial leasing company in China. It is wholly owned subsidiary of the ICBC, who leverages ICBC›s substantial strength and global service network to continuously refine its financial leasing product system, enhancing its global customer service capabilities. It has developed a business model that balances aviation, maritime, and comprehensive leasing, offering professional and innovative leasing solutions and support services throughout the lifecycle of leased assets.

应对能源转型之路

景戈先生现任 ICBC Financial Leasing Co., Ltd. 资产组合管理部（航运板块）负责人，全面负责航运业务领域的船舶资产管理、合同执行、风险资产处置及特殊目的实体（SPV）运营工作。

加入 ICBC 前，景戈先生曾任职于两家国有矿业及上游油气企业。2015 年 7 月加入ICBC 后，他还曾在跨境能源金融部与法律部工作。景戈先生在航运及海洋工程领域拥有丰富经验，尤其擅长风险资产处置及全生命周期资产管理业务。

工银金融租赁有限公司（ICBC Financial Leasing Co., Ltd.）成立于 2007 年 11 月 28 日，是中国首家银行系金融租赁公司。该公司为中国工商银行（ICBC）的全资子公司，依托工商银行雄厚的综合实力与全球服务网络，持续完善金融租赁产品体系，提升全球客户服务能力。

工银租赁已形成 “航空、航运、综合租赁” 三大板块均衡发展的业务模式，为客户提供专业、创新的租赁解决方案，并围绕租赁资产全生命周期提供配套支持服务。

www.icbcleasing.com

ICBC 工银金租

PANELLIST 论会嘉宾

Jiangnan Shipyard (Group) Co Ltd
江南造船（集团）有限责任公司

Hu Keyi 胡可一

Chief Expert
科技委主任

Navigating the Energy Transition

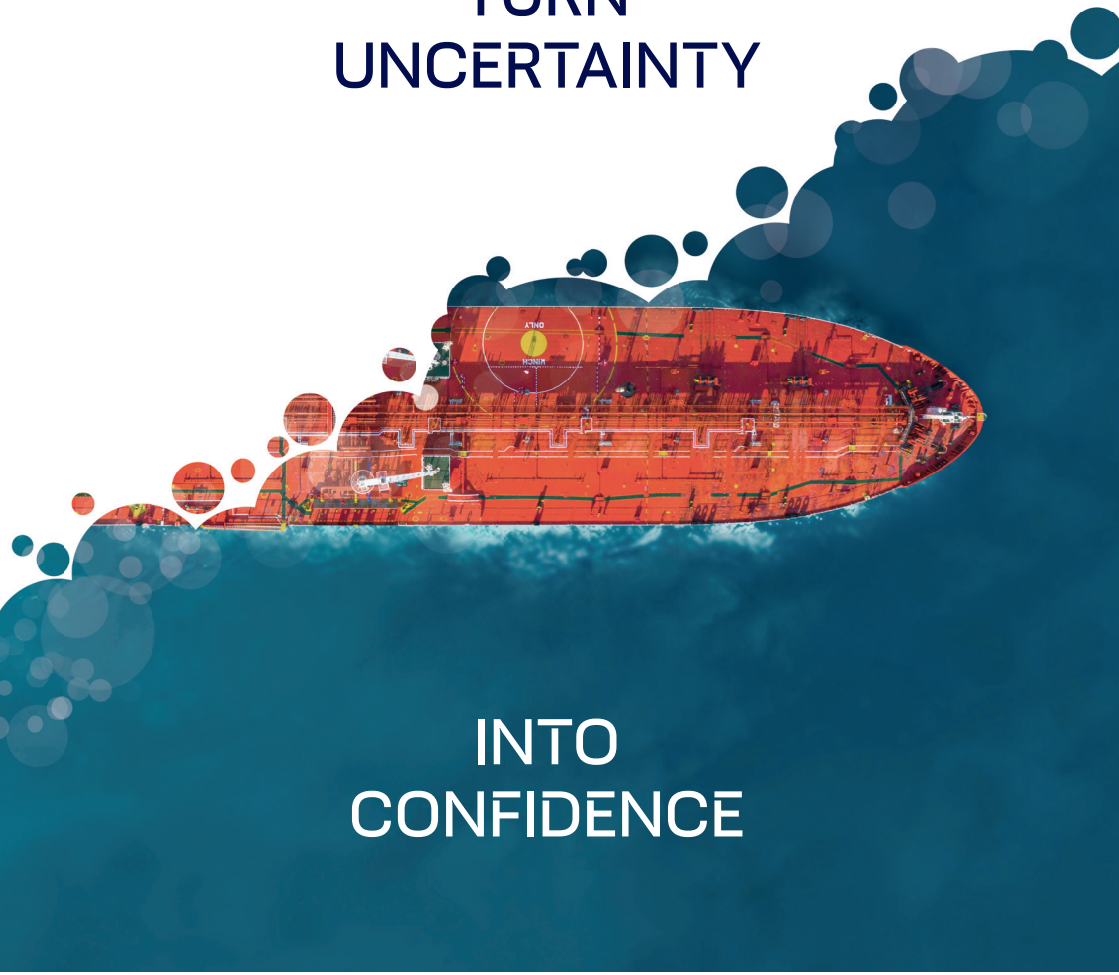
Hu Keyi, graduated from Ship and Offshore Engineering Department of Shanghai Jiaotong University in 1982. He was the member of central committee of China National Democratic Construction Association, the member of Shanghai committee of China National Democratic Construction Association and the member of The National Committee of the Chinese People's Political Consultative Conference, and the Technical Director of Jiangnan Shipyard (Group) Co., Ltd during 1999 to 2019. Now his current title is Shanghai Municipal People's Government Counselor, Chief Expert of China State Shipbuilding Corporation (CSSC), the Chief of Corporate Technology of same company. He was honoured with "Ship Designer Award of 2008" by The Chinese Society of Naval Architects and Marine Engineers (SSNAME).

应对能源转型之路

胡可一，1982年毕业于在上海交通大学船舶与海洋工程系，曾任中国民主建国会中央委员、中国民主建国会上海市委副主委，全国政协委员，1999年至2019年间曾任江南造船（集团）有限责任公司总工程师。现任上海市人民政府参事、中船集团首席专家、江南造船（集团）有限责任公司科技委主任。2008年，胡可一获得中国造船工程学会首届"船舶设计大师"称号。

CSSC 江南造船（集团）有限责任公司
JIANGNAN SHIPYARD (GROUP) CO., LTD.

TURN UNCERTAINTY



INTO CONFIDENCE

For the maritime industry, this is more than a moment of change. It's a time for transformation. Never have the decisions it faces been so complex. Nor their consequences ever mattered more. As a trusted voice of the industry, we help decision-makers throughout the maritime world to make purposeful and assured choices. From regulatory compliance, next generation fuels, vessel and operational optimization, to in-depth advice and insight, explore our solutions.

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DNV

Nantong Municipal People's Government
南通市人民政府

Nantong Special Promotion Event for Ship and Ocean Engineering Industry

1. Play the promotional video of Nantong City and its industries;
2. Deliver speeches and make promotions by the municipal leaders;
3. Promote professional parks such as Nantong Ship and Ocean Engineering Service Industry Agglomeration Area;
4. Release new products, new technologies, etc. by Nantong-based participating enterprises;
5. Sign strategic cooperation agreements between Nantong and the organizers, as well as between enterprises and projects;
6. Conduct on-site discussions, dinner talks, and on-site visits to guests.

南通船舶海工产业专场推介活动

1. 播放南通城市及产业宣传片
2. 市领导致辞并推介
3. 南通船舶海工服务业集聚区等专业园区推介
4. 南通参展企业发布新产品、新技术等
5. 南通与主办方、企业与项目战略合作签约
6. 现场恳谈、餐叙、现场拜访嘉宾

NANTONG
中 国 南 通

SESSION 会议环节

Alternative Energy Sources & Its Supply Chain Support
Alternative Fuels
替代能源与供应链支持
替代燃料技术

Charting the Future of Marine Propulsion

This session focuses on the development and deployment of alternative fuels such as ammonia, methanol, hydrogen, and biofuels. Experts will discuss fuel readiness, infrastructure challenges, lifecycle emissions, and safety considerations. Case studies from early adopters will illustrate practical pathways to implementation.

勾勒船舶推进系统的未来图景

会议聚焦氨、甲醇、氢 及生物燃料等替代燃料的开发与应用。专家们将围绕燃料适用性、基础设施挑战、全生命周期排放及安全考量展开探讨。早期应用者的案例研究将阐述替代燃料落地应用的切实路径。

Moderator

Bartosz Rozmyslowicz, Chairman of CIMAC WG7 Fuels

Panellists

Cynthia Gong, Senior Business Manager (Asia Pacific)a , Marine Fuel Supply System, Alfa Laval
Karim Fahssis, Head of Decarbonisation, A.P. Moller Maersk
Pino Spadafora, Vice President, RINA
Zhu Lei, Vice Dean of School of Mechanical Engineering, Shanghai Jiao Tong University

MINO

MODERATOR 主持人

CIMAC WG7 Fuels

Bartosz Rozmyslowicz

Chairman

Charting the Future of Marine Propulsion

Bartosz holds a PhD in Chemical Engineering from Åbo Akademi University (Finland) and completed postdoctoral research at EPFL (Switzerland), specializing in catalytic biomass conversion for renewable fuels. At WinGD, Bartosz develops fuel and lubricant specifications and leads projects on conventional and alternative marine fuels. Since 2018, Bartosz has been active in CIMAC Working Group 7 – Fuels and has chaired the group since 2022, driving industry guidelines and recommendations on marine fuel quality and treatment. In parallel, Bartosz works within ISO technical committees, contributing to standards such as ISO 8217 (marine fuels), ISO 6583 (methanol), ISO 23306 (LNG), and new initiatives for biofuels and ethanol as marine fuels.

WinGD Ltd a company of the CSSC Group, is a Swiss-based developer of marine propulsion systems headquartered in Winterthur. Originating from the Sulzer Diesel Engine business founded in 1893, WinGD continues a long tradition of innovation in low-speed, two-stroke engines for deep-sea shipping. Today, it is a global leader in designing and delivering gas and diesel engines that power merchant vessels such as tankers, bulk carriers, and container ships. WinGD designs and manufactures engines for established fuels such as LNG and conventional marine fuels. Its X-DF dual-fuel platform incorporates advanced technologies like iCER (Intelligent Control by Exhaust Recycling) and variable compression ratio (VCR) to optimise combustion, improve efficiency, and meet stringent emission standards. Looking ahead, WinGD is developing solutions for the next generation of marine fuels. Its future-ready portfolio includes engines capable of operating on methanol, ammonia, LPG, and, in time, ethanol, ensuring flexibility for ship owners as the industry transitions toward sustainable energy sources. Beyond engine design, WinGD provides comprehensive lifecycle support, including global service, digital monitoring, and crew training. With state-of-the-art research and testing facilities, the company combines engineering excellence with sustainability, positioning itself as the preferred partner for reliable, efficient, and environmentally responsible marine propulsion solutions.

勾勒船舶推进系统的未来图景

Bartosz 拥有 Åbo Akademi University 化学工程博士学位，并在瑞士 EPFL 完成博士后研究，其研究方向为用于可再生燃料的催化生物质转化。在 WinGD 公司，Bartosz 负责制定燃料和润滑剂规格，并主导传统及替代船用燃料相关项目。自 2018 年起，Bartosz 积极参与 CIMAC Working Group 7 – Fuels 的工作，并于 2022 年起担任该工作组主席，推动制定船用燃料质量与处理相关的行业指南及建议。与此同时，Bartosz 还参与国际标准化组织（ISO）技术委员会的工作，为多项标准的制定做出贡献，包括 ISO 8217（船用燃料标准）、ISO 6583（甲醇标准）、ISO 23306（液化天然气标准），以及将生物燃料和乙醇用作船用燃料的新倡议。

WinGD Ltd. 是 CSSC Group 旗下企业，作为总部位于瑞士 Winterthur 的船用推进系统开发商，其历史可追溯至 1893 年创立的 Sulzer Diesel Engine business。在深海航运领域的低速二冲程发动机研发方面，WinGD 传承了悠久的创新传统。如今，该公司已成为全球领先的燃气和柴油发动机设计与供应商，其产品为油轮、散货船、集装箱船等商船提供动力。WinGD 设计并制造适用于液化天然气、传统船用燃料等成熟燃料类型的发动机。其 X-DF iCER, Intelligent Control by Exhaust Recycling、VCR, variable compression ratio 等先进技术，可实现燃烧优化、提升效率，并满足严苛的排放标准。展望未来，WinGD 正为下一代船用燃料开发解决方案。其具备前瞻性的产品组合涵盖可使用甲醇、氨、液化石油气的发动机，未来还将适配乙醇燃料。这一布局将为船东提供灵活选择，助力航运业向可持续能源转型。除发动机设计外，WinGD 还提供全方位的全生命周期支持，包括全球服务、数字化监测及船员培训。依托尖端的研发与测试设施，该公司将卓越工程技术与可持续发展理念相结合，致力于成为可靠、高效且环境友好型船用推进解决方案的首选合作伙伴。

CIMAC
INTERNATIONAL COUNCIL
Power | Drives | Propulsion

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PANELLIST 论会嘉宾

Alfa Laval China 阿法拉伐中国

Cynthia Gong 龚冬英

Senior Business Manager (Asia Pacific) Marine Fuel Supply System 船用燃料供给系统亚太区高级业务经理

Charting the Future of Marine Propulsion

Cynthia Gong, master's degree in Power Engineering, Shanghai Jiao Tong University. Cynthia Gong has specialised in marine propulsion and fuel systems for over 20 years. Since joining Alfa Laval in 2008, she has been dedicated to the design and commercial development of marine clear fuel supply systems. Especially, in the first methanol and ammonia dual-fuel large commercial vessel projects, Cynthia and her team worked closely with customers to guide Alfa Laval's R&D team in designing and delivering integrated methanol and ammonia fuel supply systems serving dual-fuel main engines, auxiliary engines, and marine boilers.

The global shipping industry is at a critical juncture in its transition towards zero-carbon goals. Alfa Laval's shipping decarbonisation solutions align closely with industry trends, demonstrating its pivotal role in the energy transition. With over a century of expertise in marine fuels, Alfa Laval offers a comprehensive product portfolio that enables shipowners and shipyards to reliably and efficiently use liquefied natural gas (LNG), liquefied petroleum gas (LPG), methanol, and biofuels as marine fuels. Additionally, the company is actively developing various applications for zero-carbon ammonia fuel. Meanwhile, Alfa Laval's energy efficiency and digital solutions, including waste heat recovery, air lubrication, and wind-assisted propulsion, along with StormGeo's shipping digitization solutions, support improved energy and operational efficiency during vessel operations, ensuring safe navigation.

勾勒船舶推进系统的未来图景

龚冬英持有上海交通大学动力工程硕士学位，深耕船舶推进与燃料系统领域逾 20 年。自 2008 年加入 Alfa Laval 以来，她一直专注于船舶清洁燃料供应系统的设计与商业开发工作。尤其在首批甲醇 - 氨双燃料大型商用船舶项目中，Cynthia 及其团队与客户紧密协作，为 Alfa Laval 研发团队提供指导，设计并交付了适用于双燃料主机、辅机及船用锅炉的一体化甲醇 - 氨燃料供应系统。

全球航运业正处于向零碳目标转型的关键节点。Alfa Laval 的航运脱碳解决方案与行业趋势高度契合，彰显了其在能源转型中的关键作用。凭借逾百年的船用燃料领域专业积淀，Alfa Laval 提供全面的产品组合，助力船东与造船厂可靠、高效地将液化天然气（LNG）、液化石油气（LPG）、甲醇及生物燃料用作船用燃料。同时，公司正积极研发零碳氨燃料的各类应用方案。此外，Alfa Laval 的能效及数字化解决方案（包括余热回收、空气润滑、风力辅助推进技术），结合 StormGeo 的航运数字化解决方案，可提升船舶运营过程中的能源效率与运营效率，保障航行安全。

www.alfalaval.com

PANELLIST 论会嘉宾

RINA 意大利船级社

Pino Spadafora

Vice President, Marine Market Development

Charting the Future of Marine Propulsion

Pino Spadafora currently serves as Marine Market Development Vice President at RINA Services S.p.A.

After a career as a principal surveyor for new buildings and existing ships of all kinds, he has acquired strong experience in fleet management principles, classification services, advisory services, project management, key account management, and customer service, Pino' s responsibilities encompass both group strategy and external corporate development, commercially and technically. He is specifically responsible for translating the group strategy across business streams into a group-wide plan and ensuring its consistency with the group' s vision and mission. Working closely with the Group' s CEO and each individual business stream, Pino' s role is to identify potential partners for RINA to collaborate with and grow the group.
In terms of industry collaboration and representation, Pino leads collaboration initiatives with the International Association of Classification Societies (IACS), ensuring active participation and alignment with global industry standards and regulations. He represents RINA in external forums and various international organizations, fostering relationships with key stakeholders and driving strategic partnerships.

RINA is a multi-national Group that delivers verification, certification, conformity assessment, marine classification, environmental enhancement, product testing, site and vendor supervision, training, and engineering & technical consultancy across a wide range of industries and services, which includes the Energy, Marine, Certification, Transport & Infrastructure, Real Estate, and Industry sectors. With net revenues in 2024 of 915 million euros, over 6,600 employees, and 200 offices in 70 countries worldwide, RINA is a member of key international organizations and an important contributor to the development of new legislative standards over the past 160+ years.

勾勒船舶推进系统的未来图景

Pino Spadafora 目前担任 RINA Services S.p.A. 船舶市场开发副总裁。

在职业生涯早期，他曾担任主任验船师，负责各类新造船及现有船舶的检验工作。凭借这一经历，他在船队管理原则、船级社服务、咨询服务、项目管理、重点客户管理及客户服务等领域积累了丰富经验。

Pino 的职责涵盖集团战略与外部企业发展（包括商业及技术层面）。他具体负责将各业务板块的集团战略转化为覆盖全集团的执行计划，并确保该计划与集团的愿景及使命保持一致。Pino 与集团首席执行官（CEO）及各业务板块紧密协作，核心工作是为 RINA 发掘潜在合作伙伴，通过合作推动集团发展。

在行业协作与代表工作方面，Pino 主导 RINA 与国际船级社协会（IACS）的合作项目，确保 RINA 积极参与相关工作，并与全球行业标准及法规保持一致。他还代表 RINA 参与外部论坛及各类国际组织的活动，促进与关键利益相关方的关系建设，推动战略合作伙伴关系的发展。

RINA是一家业务多元化的全球性集团公司，拥有 160 多年的历史，为能源、海事、认证、交通和基础设施、房地产以及工业领域提供广泛的服务。包括船舶入级、海事检验、质量认证、检验、测试、培训，以及工程技术咨询、设计、项目管理和可持续发展产品以及新材料的研发等。2024 年，RINA的净营收为 9.15 亿欧元，在全球 70 个国家拥有 6600 多名员工和 200 多个办事处，是多个关键国际组织的成员，也是制定新立法标准的重要贡献者。

www.rina.org

PANELLIST 论会嘉宾

Shanghai Jiao Tong University 上海交通大学

Zhu Lei 朱磊

Vice Dean of the School of Mechanical Engineering
机械与动力工程学院教授，副院长

Charting the Future of Marine Propulsion

Zhu Lei's research focuses on high-efficiency, clean combustion of low/zero-carbon marine engines. He has led numerous key national projects, including Natural Science Foundation of China, the National Key R&D Program Young Scientist Project, the Major Marine Engine Program, and the Shanghai Municipal Major Science and Technology Project. Dr. Zhu has received the Second Prize of the National Technology Invention Award, the China Society for Internal Combustion Engines (CSICE) "Shi Shaoxi" Talent Award, the Shanghai Youth Science and Technology Rising Star Award. He holds key positions in several professional associations, such as vice director of the Marine Power Branch of the China Shipbuilding Industry Association, vice director of the Low-Carbon Fuels and Hydrogen-Powered Vehicle Technology Branch of the China Society of Automotive Engineers.

勾勒船舶推进系统的未来图景

朱磊主持国家自然科学基金重点项目、工信部船用动力国家重大专项、国家重点研发计划青年科学家项目、上海市市级科技重大专项等。获国家技术发明二等奖,中国内燃机学会"史绍熙人才奖"、上海市青年科技启明星等。担任中国船舶工业协会船舶动力分会副主任委员、中国汽车工程学会低碳燃料与氢动力汽车技术分会副主任委员。

PANELLIST 论会嘉宾

A.P. Moller-Maersk

Karim Fahssis

Head of Decarbonisation

Charting the Future of Marine Propulsion

Karim Fahssis is heading decarbonisation for Maersk in China. With the ambition to achieve carbon net zero transport by 2040, Karim Fahssis' s main focus is on securing production and sourcing of green methanol in China in time for the delivery of Maersk new vessels. He also advises Maersk' s landside department on its decarbonisation journey. Karim Fahssis is an energy engineer by training and an entrepreneur having considerable experience with renewable energy projects. He was awarded by the MIT Technology Review as the "Innovator of the year 2014" for introducing disruptive software technologies to the global wind energy industry with a focus on prospecting superior resource sites and delivering bankable energy yield assessments.

勾勒船舶推进系统的未来图景

Karim Fahssis 负责 Maersk 中国区脱碳业务。基于 Maersk 2040 年实现净零碳运输的目标，Karim的核心工作是及时落实中国境内绿色甲醇的生产与采购，以匹配 Maersk 新船交付后的燃料需求。同时，他还为 Maersk 陆运部门的脱碳进程提供专业建议。Karim出身能源工程师，兼具企业家背景，在可再生能源项目领域拥有丰富经验，且对中国市场有着深入了解。他因向全球风能行业引入颠覆性软件技术（专注于优质资源选址及出具可融资的能源产量评估报告），被 MIT Technology Review 评为 "2014 年度创新者"。

MAERSK

SPEAKER 演讲嘉宾

Headway Technology Group (Qingdao) Co Ltd
海德威科技集团(青岛)有限公司

Zhang Zongkai 张宗凯

Business Information & Technology Manager
商务技术部经理

Headway Towards Ecolution
双碳背景下的海德威低碳方案

Zhang Zongkai is a Senior R&D Engineer and Business Information & Technology Manager at Headway Technology Group (Qingdao) Co Ltd, specialising in precision instrumentation and mechanical engineering. With more than 11 years of dedicated experience in the marine equipment sector, he has played a pivotal role in the development and technical support of shipborne auxiliary systems, especially in Onboard Carbon Capture System. His expertise spans both innovative design and on-site implementation, making him a trusted contributor to complex engineering projects across the maritime industry. Zhang Zongkai brings a deep understanding of shipboard systems and a hands-on approach to problem-solving, consistently bridging the gap between technical rigor and operational excellence.

As the maritime industry awaits clearer regulatory signals following the adjournment of MEPC E.S. 2, Headway Technology Group (Qingdao) Co Ltd stands ready to lead the way toward practical decarbonization. With a strategic focus on low-carbon innovation, Headway delivers a comprehensive portfolio of solutions, including alternative fuel supply systems (methanol, ammonia, LNG), onboard carbon capture technologies, and advanced energy-saving devices. These offerings empower shipowners to navigate uncertainty and accelerate their transition to a greener future. Backed by robust R&D, global service networks, and a commitment to cost-effective sustainability, Headway is helping reshape the maritime landscape, turning ambition into action, and complexity into clarity.

勾勒船舶推进系统的未来图景

张宗凯，海德威科技集团(青岛)有限公司高级研发工程师　暨商救技术部经理，在航运低碳和船舶装备领域拥有超过11年专业经验，在海德威船舶辅助系统，特别是船载碳捕集系统的研发进程中发挥了关键作用。他在产品研发创新和现场项目实施方面的丰富经验，使他成为海事行业复杂工程项目值得信赖的专家。

当前，全球航运业正在等待更加明确的监管信号，海德威科技集团(青岛)有限公司已做好准备引领航运脱碳之路。近年来，海德威以创新航运低碳方案为战略重点，提供全面的解决方案和产品生态——包括替代燃料供给系统(甲醇、氨、LNG)、船载碳捕集系统以及先进的航运低碳节能解决方案。凭借强大的自主创新能力和全球服务网络，海德威将在航运绿色发展之路上，为全球合作伙伴保驾护航。

海德威 HEADWAY

SPEAKER 演讲嘉宾

ABB Marine & Ports

Alina Colling

Global Product Manager

Going Beyond DP

Alina Colling is a Global Product Manager at ABB Marine & Ports. She leads the development of ABB's new Dynamic Positioning (DP) system, the control and building blocks to AutoRemote operations. As a product manager, she links the multidisciplinary teams to understand customer needs, guide technical development, make sure the product fits the market, supports marketing and sales, and speaks at global events. Before joining ABB, Alina worked in ship manufacture, automation, and maritime research. She holds a PhD in Maritime Technology and Autonomous transport. Her experience includes vessel control systems, bridge solutions, and smart shipping technologies.

We have developed ABB DP control solution looking to enhance the DP operator experience and make a user-centric solution that goes far beyond what the standard DP control solution can do.

勾勒船舶推进系统的未来图景

Alina Colling 现任 ABB Marine & Ports 全球产品经理，主导 ABB 新型动力定位（DP）系统的研发工作，该系统是远程自动运营的核心控制与基础组件。作为产品经理，她衔接多学科团队以洞察客户需求，指导技术研发方向，确保产品贴合市场需求，同时为市场营销与销售工作提供支持，并在全球各类活动中发表专业演讲。加入 ABB 前，Alina 曾深耕船舶制造、自动化及海事研究领域，持有海事技术与自主运输专业博士学位，拥有船舶控制系统、驾驶台解决方案及智能航运技术相关丰富经验。

我们开发了ABB动态定位控制解决方案，旨在提升动态定位操作员的体验，打造以用户为中心的解决方案，其功能远超标准动态定位控制解决方案所能实现的范围。
Website:

SESSION 会议环节

Alternative Energy Sources & Its Supply Chain Support
Electrification

替代能源与供应链支持
电气化

Powering the Next Generation of Vessels

Electrification is reshaping vessel design and operations, particularly in short-sea and inland shipping. This session explores battery technologies, hybrid propulsion systems, shore power integration, and energy management solutions. Speakers will present innovations in vessel electrification and discuss scalability across fleet segments.

Following the electrification session, join us from 16:00–17:00 at Innovation Connects, powered by CATL, for refreshments and relaxed networking. Let' s continue the conversation and celebrate innovation in sustainable maritime energy!

为新一代船舶提供动力

电气化正重塑船舶设计与运营，在短途海运及内河航运领域尤为显著。本次会议将探讨 battery technologies、hybrid propulsion systems、shore power integration 以及 energy management solutions。

演讲嘉宾将展示船舶电气化领域的创新成果，并探讨不同船队类型的技术可扩展性。船舶电气化主题会议结束后，欢迎您于 16:00–17:00 前往由 CATL 主办的 Innovation Connects，现场将提供茶点，助力轻松交流。让我们继续深入探讨，共同庆贺可持续海事能源领域的创新成就！

Moderator

Syb ten Cate Hoedemaker, Managing Director, Maritime Battery Forum

Panellists

Chen Qiang, Director of Electric Propulsion of Contemporary Amperex Electric Vessel Technology Co Ltd, CATL
Wu Shunping, Chief Engineer, Member of IACS Safe Decarbonisation Panel
Ren Li, Country Manager China, Corvus Energy
Anders Helland, Director Energy Storage, Kongsberg Maritime

MODERATOR 主持人

Maritime Battery Forum

Syb ten Cate Hoedemaker

Managing Director

Powering the Next Generation of Vessels

After studying Marine Engineering at the Delft University of Technology, Syb joined the R&D department at Damen Shipyards where he performed research on the aging of batteries in electric vessels, developed a battery sizing and selecting method and worked on the design of many different types of battery powered vessels. In 2021 he joined the Maritime Battery Forum as managing director, focusing on the promotion of batteries in the maritime industry and supporting the sector with all battery related challenges.

Electrification is reshaping vessel design and operations, particularly in short-sea and inland shipping. This session explores battery technologies, hybrid propulsion systems, shore power integration, and energy management solutions. Speakers will present innovations in vessel electrification and discuss scalability across fleet segments.

为新一代船舶提供动力

Syb ten Cate Hoedemaker 毕业于 Delft University of Technology 海事工程专业，随后加入 Damen Shipyards 研发部门。期间，他开展电动船舶电池老化相关研究，开发了电池容量匹配与选型方法，并参与多款不同类型电池动力船舶的设计工作。2021 年，Syb 加入 Maritime Battery Forum 担任执行董事，核心工作为推动电池技术在海事行业的应用推广，并为行业解决各类与电池相关的挑战提供支持。

电气化正重塑船舶设计与运营模式，尤其在近海航运和内河航运领域。本环节将探讨电池技术、混合动力推进系统、岸电集成及能源管理解决方案。演讲嘉宾将展示船舶电气化领域的创新成果，并探讨不同船队规模的可扩展性。

www.maritimebatteryforum.com

Maritime Battery Forum

PANELLIST 论会嘉宾

Contemporary Amperex Electric Vessel Technology Co Ltd, CATL

Chen Qiang

Director

Powering the Next Generation of Vessels

Chen Qiang is a Director of Electric Propulsion of CAEV with rich experience in the marine industry. He focuses on designing tailored integration solutions for battery system, electric propulsion, energy management, and automation systems, ensuring compliance with IMO standards and classification society requirements. With a solid marine electrical engineering background, He' s dedicated to delivering reliable, efficient solutions for electric vessel projects.

Contemporary Amperex Electric Vessel Technology Co Ltd. is a wholly-owned subsidiary of CATL, a global leader in new energy. We specialize in R&D, production, and full-lifecycle services of electric vessel power systems. With CATL' s core patents in cell technology, BMS, thermal management and supply chain advantages to offer customized solutions to cooperate with partners in advancing green transformation and technological innovation in the maritime sector.

为新一代船舶提供动力

Chen Qiang 是现任中国时代电船电推中心(CAEV)电力推进部总监，在船舶行业拥有丰富经验。他专注于为电池系统、电力推进系统、能源管理系统及自动化系统设计定制化集成解决方案，确保方案符合国际海事组织(IMO)标准及船级社要求。凭借扎实的船舶电气工程背景，陈强致力于为电动船舶项目提供可靠、高效的解决方案。

Contemporary Amperex Electric Vessel Technology Co., Ltd. 是全球新能源领域领军企业 CATL 的全资子公司。公司专注于电动船舶动力系统的研发、生产及全生命周期服务，依托宁德时代在电芯技术、电池管理系统、热管理领域的核心专利，以及供应链优势，为合作伙伴提供定制化解决方案，助力航运领域绿色转型与技术创新。

CATL 时代电船

PANELLIST 论会嘉宾

China Classification Society Wuhan Rules and Research Institute, CCS

Wu Shunping 吴顺平

Chief Engineer, Member of IACS Safe Decarbonisation Panel
总工程师，国际船级社协会安全去碳专业委员会成员

Powering the Next Generation of Vessels

With over 20 years work experience on the studies regarding ship design and new energy research for ship using alternative fuel, such as LNG, LPG, methanol, hydrogen, ammonia and bio-fuel etc.

为新一代船舶提供动力

吴顺平具有20多年船舶规范科研工作经验，长期从事船舶清洁能源水上应用技术与安全研究及规范标准制定工作，包括清洁能源产业链、油气风险评估、温室气体减排等方面。

CCS
CHINA CLASSIFICATION SOCIETY
中 国 船 级 社

PANELLIST 论会嘉宾

Corvus Energy

Ren Li

Country Manager China

Powering the Next Generation of Vessels

Ren Li is Country Manager China for Corvus Energy, the global leader in zero-emission energy solutions for the ocean space. Based in Shanghai, he leads the company' s China office, supporting shipowners, shipyards, integrators and design partners across the country' s rapidly growing market for marine battery systems. Ren has more than a decade of international experience with leading marine companies, including Rolls-Royce Marine, Wärtsilä and Bergen Engines. He combines strong commercial skills with a solid technical background as a naval architect. In his current role, he focuses on working closely with Chinese and international customers to accelerate maritime decarbonisation and deliver safe, reliable and commercially attractive battery-powered solutions for a wide range of vessel types.

Corvus Energy is the global leader in zero-emission solutions for the maritime, offshore, and port industries. As the first company to introduce a maritime battery system with the capacity, cost efficiency, and safety performance the market required, Corvus Energy helped pioneer the modern era of maritime energy storage. This early leadership laid the foundation for today' s rapidly growing adoption of clean, electrified propulsion across nearly every vessel segment. Our comprehensive portfolio includes advanced energy storage systems and hydrogen PEM fuel cell systems designed to meet the operational demands of a wide range of vessels. Corvus Energy delivers modular lithium-ion battery solutions and scalable fuel cell technology that support both hybrid and fully zero-emission operations. Driven by strong research and development capabilities, we continuously apply insights from our global installation base to enhance our products, develop next-generation zero-emission technologies, and expand our suite of data-driven services. Through our digital customer portal, operators gain access to monitoring, analytics, and reporting tools that leverage system data from installation onward. This allows us to provide real-time operational insights, benchmark performance, and enable predictive and proactive service offerings. By tracking system health and usage patterns, we also help customers optimize second-life opportunities and ensure end-of-life recycling is handled in the most responsible and efficient way.

为新一代船舶提供动力

Ren Li 是 Corvus Energy 中国区总经理。该公司是全球海洋领域零排放能源解决方案的领导者。他常驻上海，负责管理公司中国办公室，为中国快速增长的船用电池系统市场中的船东、造船厂、系统集成商及设计合作伙伴提供支持。任力拥有十多年国际领先海事企业从业经验，曾任职于 Rolls-Royce Marine、Wärtsilä 和 Bergen Engines 等公司。作为一名船舶设计师，他兼具出色的商务能力与扎实的技术背景。在当前岗位上，他专注于与中外客户紧密合作，推动航运业脱碳进程，为各类船舶提供安全、可靠且具备商业吸引力的电池动力解决方案。

Corvus Energy 是全球海事、海上及港口行业零排放解决方案领域的领导者。作为首家推出具备市场所需容量、成本效益及安全性能的船用电池系统的企业，Corvus Energy 助力开启了船用储能的现代化时代。这一早期领先地位，为如今清洁电动推进技术在几乎所有船舶类型中快速普及奠定了基础。我们的全面产品组合涵盖先进储能系统与氢质子交换膜 (PEM) 燃料电池系统，旨在满足各类船舶的运营需求。Corvus Energy 提供模块化锂离子电池解决方案及可扩展燃料电池技术，既支持混合动力运营，也可满足完全零排放运营需求。依托强大的研发能力，我们持续借鉴全球装机项目的实践经验，不断改进产品、研发下一代零排放技术，并拓展数据驱动型服务体系。通过数字化客户门户，运营商能够获取监控、分析及报告工具，这些工具可充分利用自系统安装以来产生的所有运行数据。借助这一平台，我们能够为客户提供实时运营洞察、性能基准分析，并推出预测性与主动式服务。此外，通过追踪系统健康状况与使用模式，我们还助力客户优化电池二次利用机会，并确保以最负责任、最高效的方式处理系统报废回收事宜。

Corvus Energy

www.corvusenergy.com

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PANELLIST 论会嘉宾

Kongsberg Maritime

Anders Helland

Director Energy Storage

Powering the Next Generation of Vessels

Worked with development and introduction of new battery systems in Kongsberg Maritime since 2019. Responsible for Energy Storage roadmaps, lifecycle strategy and handling, product profitability and 3rd party products. Evaluation of battery technology, module and system design for marine battery systems. Previously worked in the oil and gas industry with offshore and subsea operations.

Kongsberg Maritime is a global marine technology company providing innovative and reliable technology solutions for all marine industry sectors. Headquartered in Kongsberg, Norway, Kongsberg Maritime has manufacturing, sales, and service facilities in 34 countries. Kongsberg Maritime solutions cover all aspects of marine automation, safety, manoeuvring, navigation, and dynamic positioning as well as energy management, deck handling and propulsion systems, and ship design services. The company has equipment installed on over 30,000 vessels worldwide.

为新一代船舶提供动力

自 2019 年起，负责 Kongsberg Maritime 新型电池系统的研发与推广工作。核心职责包括制定储能业务路线图、生命周期战略及管理方案，把控产品盈利能力，同时负责第三方产品相关事务。此外，还参与船用电池系统的电池技术评估、模块及系统设计工作。此前曾任职于油气行业，专注于海上及水下作业相关业务。

Kongsberg Maritime 是一家全球海洋技术公司，为所有海洋工业领域提供创新且可靠的技术解决方案。公司总部位于挪威孔斯贝格（Kongsberg, Norway），在 34 个国家设有制造、销售及服务机构。Kongsberg Maritime 的解决方案涵盖船舶自动化、安全、操控、导航、动力定位等各个方面，同时包括能源管理、甲板处理与推进系统，以及船舶设计服务。全球已有超过 30,000 艘船舶安装了该公司的设备。

www.kongsberg.com/maritime

KONGSBERG

CATL 时代电船

展位 BOOTH

NO. W1–B2A

船用电池及动力系统解决方案专家

MARINE BATTERIES AND POWERTRAIN EXPERT

能量因科技而自由 航运因低碳而美好 INNOVATING FOR GREEN SHIPPING

MODERATOR 主持人

European perspective on sustainable propulsion, turbocharging and dual-fuel innovation and balanced industry-wide viewpoint

Christoph Rofka

Vice President Communications, CIMAC

CIMAC Circle

European perspective on sustainable propulsion, turbocharging and dual-fuel innovation and balanced industry-wide viewpoint.

内燃机交流圈

Christoph Rofka 担任 CIMAC公关副总裁，主要提供欧洲在可持续推进系统、涡轮增压及双燃料创新领域的视角，同时给出全行业层面的平衡观点。

https://www.cimac.com/

CIMAC
INTERNATIONAL COUNCIL
Power | Drives | Propulsion

PANELLIST 论会嘉宾

CIMAC International Council

Zhu Lei 朱磊

Professor, Shanghai Jiao Tong University

CIMAC Circle

Deep expertise in low/zero-carbon marine engines and electrosynthetic fuels, offering insights on the technical feasibility and implementation of sustainable propulsion systems.

Recognized leader in marine power and low-carbon technologies, providing a strategic perspective on industry trends, research priorities, and the energy transition in maritime applications.

内燃机交流圈

朱磊是上海交通大学教授，在低碳 / 零碳船用发动机及电合成燃料领域具备深厚专业知识，能就可持续推进系统的技术可行性与落地实施提供见解；他也是船舶动力与低碳技术领域公认的领军者，可为航运领域的行业趋势、研究重点及能源转型提供战略视角。

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PANELLIST 论会嘉宾

CIMAC International Council

Dong JingJin

Ammonia program lead, WinGD

CIMAC Circle

Shares practical and technical insights on ammonia adoption in the Chinese engine and shipping industry, brings experience from ammonia fuel projects and close collaboration with Chinese engine builders.

内燃机交流圈

Dong JingJing 是WinGD氨项目负责人，他分享氨燃料在中国发动机及航运业应用的实操与技术见解，其观点源于氨燃料项目经验以及与中国发动机制造商的紧密合作。

https://www.cimac.com/

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PANELLIST 论会嘉宾

CIMAC International Council

Frank Yu

Vice President, Envision Energy

CIMAC Circle

Offers an industry perspective on green ammonia production, supply chain, and adoption in maritime applications, shares insights on sustainable fuel solutions and the commercial feasibility of green ammonia for shipping.

内燃机交流圈

Frank Yu 担任Envision Energy副总裁，围绕绿氨生产、供应链及航运应用提供行业视角，同时分享可持续燃料解决方案以及绿氨用于航运的商业可行性相关见解。

https://www.cimac.com/

CIMAC
INTERNATIONAL COUNCIL
Power | Drives | Propulsion

MINO

PANELLIST 论会嘉宾

CIMAC International Council

Tomohiro Hosaka

IHI Power Systems Co Ltd

CIMAC Circle

Extensive knowledge of diverse engine types and alternative fuels. Offers a strategic industry perspective on ammonia engine readiness and the broader energy transition in maritime applications.

内燃机交流圈

Tomohiro Hosaka 任职于 IHI Power System，精通各类发动机及替代燃料，就氨发动机的成熟度以及航运领域更广泛的能源转型提供战略行业视角。

https://www.cimac.com/

CIMAC
INTERNATIONAL COUNCIL
Power | Drives | Propulsion

PANELLIST 论会嘉宾

CIMAC International Council

Yoshishige Sakai

Senior Manager, Energy Solution Business Division, Energy Solution & Marine Engineering Company, Kawasaki Heavy Industries Ltd

CIMAC Circle

Shares insights on the integration of hydrogen, ammonia, and hybrid technologies into next-generation maritime engines, provides a developer' s viewpoint on integrating ammonia, hydrogen, and hybrid technologies into next-generation maritime engines.

内燃机交流圈

Yoshishige Sakai 是 Kawasaki Heavy Industries 能源解决方案与海洋工程公司能源解决方案业务部高级经理，他分享氢、氨及混合动力技术集成至下一代船用发动机的相关见解，并从开发者视角解析这些技术在下一代船用发动机中的集成应用。

https://www.cimac.com/

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PANELLIST 论会嘉宾

CIMAC International Council

Bo Cerup-Simonsen

CEO, Mærsk Mc-Kinney Møller Center for Zero Carbon Shipping

CIMAC Circle

Provides an industry-wide perspective on sustainable shipping technologies and pathways to zero-carbon operations and industry-wide view on sustainable shipping technologies and implementation pathways

内燃机交流圈

Bo Cerup-Simonsen 担任 Mærsk Mc-Kinney Møller Center 首席执行官，针对可持续航运技术、零碳运营路径提供全行业视角，同时也对可持续航运技术及实施路径给出全行业层面的观点。

https://www.cimac.com/

CIMAC
INTERNATIONAL COUNCIL
Power | Drives | Propulsion

SESSION 会议环节

Alternative Energy Sources & Its Supply Chain Support
Natural Sources Session: Harnessing Wind, Solar, and Beyond
替代能源与供应链支持
天然能源专题研讨会：利用风能、太阳能及其他能源

Harnessing Wind, Solar, and Beyond

Renewable energy sources are gaining traction in maritime applications. This session examines wind-assisted propulsion, onboard solar systems, and energy harvesting technologies. Presentations will cover design integration, performance data, and the potential of renewables to complement other energy systems.

利用风能、太阳能及其他能源

可再生能源在海事应用领域的关注度正不断提升。本次会议将探讨 wind-assisted propulsion、onboard solar systems 以及 energy harvesting technologies 。演讲内容将涵盖设计整合、性能数据，以及可再生能源作为其他能源系统补充的潜力。

Moderator

Gavin Allwright, Secretary General, International Windship Association, IWSA

Panellists

Gerrit Bunt, Sustainability Manager, Future Shipping Team, Bureau Veritas
Li Zhi, CEO, Dealfeng New Energy Technology (Tianjin) Co Ltd
Makoto Yamaguchi, Executive Fellow, Mitsui O.S.K. Lines Ltd
Jukka Kuuskoski, Chief Customer Operation Officer, Norsepower

MODERATOR 主持人

International Windship Association, IWSA

Gavin Allwright

Secretary General

Harnessing Wind, Solar, and Beyond

Gavin Allwright is the founding Secretary General of the International Windship Association, IWSA, established in 2014. and continues in this elected post today. He heads the IWSA delegation at the International Maritime Organisation, IMO, it holds consultative status, along with sitting on the European Sustainable Shipping Forum. He is a non-executive board member for the World Wind Energy Association, WWEA and acts in an advisory capacity for numerous maritime projects and is on the Journal of Sailing Technology editorial board. Gavin holds a Masters degree in Sustainable Development, specialising in small scale sustainable shipping in developing countries and is a visiting lecturer at a number of universities, including the UN World Maritime University.

The International Windship Association (IWSA) is the trade association for wind propulsion in commercial shipping. We are a not-for-profit, membership association that facilitates and promotes wind propulsion bringing together relevant maritime stakeholders to shape industry and policies to support the development of a wind-ship sector.

利用风能、太阳能及其他能源

Gavin Allwright是国际风力船舶协会(IWSA)的创始秘书长，该协会成立于2014年，他至今仍担任这一选举产生的职务。他领导IWSA代表团参与国际海事组织(IMO)事务，该协会在该组织拥有咨询地位，同时担任欧洲可持续航运论坛成员。他担任世界风能协会(WWEA)非执行董事，为众多海事项目提供咨询服务，并任《航海技术杂志》编委会成员。加文拥有可持续发展硕士学位，研究方向为发展中国家小型可持续航运，同时在包括联合国世界海事大学在内的多所高校担任客座讲师。

The International Windship Association(IWSA)是商业航运领域风力推进技术的行业协会。作为非营利性会员制组织，我们致力于推动风力推进技术的发展，汇聚相关海事利益相关方，共同塑造行业格局与政策环境，以支持风力船舶产业的成长。

www.wind-ship.org

International Windship Association

PANELLIST 论会嘉宾

Bureau Veritas

Gerrit Bunt

Sustainability Manager Future Shipping Team

Harnessing Wind, Solar, and Beyond

Gerrit Bunt's expertise lies in ship operations and fleet management, with extensive practical, design, and theoretical experience in emerging fuels like LNG, methanol, and ammonia, as well as in digitalisation, including the design, testing, and operation of technical simulations and digital twins. With 20 years of experience at sea, holding both chief engineer and master licenses, Gerrit has spent 13 years in ship and fleet management for owners. Additionally, he has five years of experience developing and reviewing operational standards and designs for decarbonisation systems, including new energy systems across various vessel types. In the past three years, he has focused on building his business development expertise to facilitate the implementation of innovative technologies, with the goal of enhancing compliance within today's increasingly complex regulatory landscape.

Bureau Veritas is one of the world's leading classification societies and offshore risk and verification bodies, helps maritime stakeholders keep vessels safe, compliant and sustainable.

利用风能、太阳能及其他能源

Gerrit Bunt 的专业领域聚焦船舶运营与船队管理，在液化天然气（LNG）、甲醇、氨等新兴燃料领域拥有丰富的实践、设计及理论经验，同时精通数字化相关技术，涵盖技术模拟与数字孪生的设计、测试及运营工作。他拥有 20 年海上工作经验，持有轮机长及船长执照，之后在船东公司从事船舶与船队管理工作达 13 年。此外，他还具备 5 年相关经验，负责各类船舶脱碳系统（包括新能源系统）的运营标准制定、设计及审核工作。过去三年，他专注于提升业务开发能力，助力创新技术落地实施，旨在当前日益复杂的监管环境下，帮助行业提升合规水平。

Bureau Veritas 是全球领先的船级社及海上风险与验证机构之一，助力海事相关方确保船舶安全、合规且可持续运营。

www.marine-offshore.bureauveritas.com

PANELLIST 论会嘉宾

Dealfeng New Energy Technology (Tianjin) Co Ltd

Li Zhi

CEO

Harnessing Wind, Solar, and Beyond

Li Zhi, Master's graduate from Beihang University, has long been dedicated to wind-assisted propulsion solutions for ship energy efficiency. He participated in drafting the Wind-Rotor Assisted Propulsion System Guidelines for the China Classification Society (CCS) and contributed to the IMO's white paper on wind assisted propulsion, and played a key role in obtaining the world's first Cetificate of Type Approval for a Rotor Sail system developed by Dealfeng. He also spearheaded China's inaugural commercial project of Rotor Sail system onboard the "HYSY226" vessel. Leading the Dealfeng team to secure multiple National-Level Innovation and Technology Awards for the WAPS. Board member of the European ZESTAs (Zero Emissions Ship Technology Association).

Dealfeng stands at the forefront of maritime decarbonisation, reimagining wind propulsion for the 21st-century fleet with solutions that balance innovation, practicality, and performance. Founded to bridge the gap between ambition and action in shipping's net-zero journey, the company delivers turnkey WAP technologies engineered to cut emissions without disrupting operations. Already trusted by forward-thinking operators in China, Europe and Southeast Asia, Dealfeng is not just a technology provider but a partner in compliance. Its systems help clients' future-proof fleets while cutting operational costs. As shipping races toward net-zero, Dealfeng stands at the helm-proving that harnessing nature's power can drive both profit and planetary progress.

利用风能、太阳能及其他能源

李志，北京航空航天大学硕士毕业生，长期致力于船舶节能的风力辅助推进解决方案。他参与起草了中国船级社（CCS）的《风力旋转翼辅助推进系统指南》，为国际海事组织（IMO）的风力辅助推进白皮书做出了贡献，并在德锋公司研发的旋转帆系统获得全球首张型式认证证书的过程中发挥了关键作用。他主导了中国首个风帆推进系统商业化项目，"HYSY226" 船舶的安装工程，并带领德风团队凭借该技术屡获国家级创新技术奖项。现任欧洲零排放船舶技术协会（ZESTAs）理事会成员。

Dealfeng 处于海事脱碳领域的前沿，以兼顾创新、实用性与性能的解决方案，重塑 21 世纪船队的风力推进技术。公司成立的初衷是填补航运业净零转型中 "愿景与行动" 的鸿沟，提供一站式风力辅助推进（WAP）技术，在不干扰运营的前提下实现减排目标。目前，Dealfeng 已获得中国、欧洲及东南亚具有前瞻视野的航运运营商的信任，它不仅是技术提供商，更是合规合作伙伴。其系统既能帮助客户打造适应未来的船队，又能降低运营成本。在航运业迈向净零排放的征程中，Dealfeng 担当领航者角色 —— 充分证明借助自然之力，既能推动行业盈利增长，也能助力地球可持续发展。

www.dealfeng.com

DEALFENG
WIND ASSISTED PROPULSION

PANELLIST 论会嘉宾

Mitsui O.S.K. Lines Ltd

Makoto Yamaguchi

Executive Fellow

Harnessing Wind, Solar, and Beyond

Makoto Yamaguchi is working for expanding the wind propulsion technology and accelerating the usage of the hydrogen energy in Maritime industry. MOL aims to realise the target of CO2 net zero emission by 2050 with the study of the various technology as well as the wind propulsion and hydrogen usage technology as an incorporated in the project “Wind Challenger” and “Wind Hunter”.

Mitsui O.S.K. Lines Ltd MOL, is a global corporate group that develops various social infrastructure businesses centring on ocean shipping, technologies, and services to meet ever-changing social needs including environmental protection. The group carry iron ore, coal, wood chips, etc. with dry bulkers, crude oil and petroleum/chemical products, etc. with tankers, liquefied natural gas with LNG carriers, all kinds of commodities and finished products with car carriers and containerships. Moreover, offshore businesses engaged in development of oil and natural gas reserves, terminal and logistics businesses connecting sea and land, and wind power and associated businesses are also our field. Our activities, backed by the world’s largest merchant fleet and nearly 140 years of history, experience, and technology are borderless. The MOL Group aims to be a strong and resilient corporate group, improving daily life for people around the world, opening bright new horizons, and providing new value to all stakeholders.

利用风能、太阳能及其他能源

Makoto Yamaguchi 致力于拓展风力推进技术，加速氢能在海运业的应用。商船三井公司通过研究包括风力推进与氢能利用技术在内的多种技术，旨在实现2050年二氧化碳净零排放的目标，这些技术已被纳入“风力挑战者”和“风力猎手”项目中。

Mitsui O.S.K. Lines（MOL）是一家全球性企业集团，以海运、技术及服务为核心，开展各类社会基础设施业务，以满足包括环境保护在内的不断变化的社会需求。集团通过干散货船运输铁矿石、煤炭、木屑等货物，以油轮运输原油及石油化工产品，用液化天然气船运输天然气，并通过汽车运输船和集装箱船承运各类商品与成品。此外，我们还涉足海上油气资源开发、连接海陆的码头物流业务，以及风力发电及相关产业领域。依托全球规模最大的商船队及近140年的历史积淀、经验积累与技术创新，我们的业务版图无远弗届。商船三井集团致力于成为坚韧不拔的企业集团，持续改善全球民众生活品质，开拓光明新天地，为所有利益相关方创造全新价值。

https://www.mol.co.jp/en/

MOL
Mitsui O.S.K. Lines

PANELLIST 论会嘉宾

Norsepower

Jukka Kuuskoski

Chief Customer Operation Officer

Harnessing Wind, Solar, and Beyond

With M.Sc. (Naval Architecture and Marine Engineering) & eMBA, Jukka Kuuskoski has worked with ABB' s marine business unit for 15 years in management positions of electric propulsion project delivery, sales and marketing, and service operations. Before joining Norsepower Jukka worked for 7 years in the wind power industry.

Norsepower is the global market leader in mechanical sails for large ships. The award-winning company can help decarbonize 30,000 ships afloat today. Norsepower Rotor Sail™ harnesses the power of the wind to drive down fuel consumption and CO2 emissions by 5–25%, or even more in good conditions. Customers have been using the product for more than ten years. Since its establishment in 2012, Norsepower has raised more than €65 million in funding to support its fast growth. 38 Norsepower Rotor Sails™ have been installed onboard 21 vessels so far. Around 100,000+ hours of Norsepower Rotor Sail performance data have been verified by independent third parties such as ABB, NAPA, RISE, and Lloyd' s Register. For more information on the Norsepower Rotor Sail™.

利用风能、太阳能及其他能源

Jukka Kuuskoski 持有船舶与海洋工程硕士学位及高管工商管理硕士（eMBA）学位，在 ABB 海事业务部门任职 15 年，曾担任电力推进项目交付、市场营销及服务运营相关管理岗位。加入 Norsepower 前，Jukka 在风电行业拥有 7 年工作经验。

Norsepower 是全球大型船舶机械帆领域的市场领导者，这家屡获殊荣的公司可助力当前全球 30,000 艘在航船舶实现脱碳。Norsepower Rotor Sail™ 借助风能驱动，能降低 5%–25% 的燃油消耗与二氧化碳排放，在风力条件良好时减排效果更显著。该产品已获得客户超过十年的实际应用验证。公司成立于 2012 年，累计筹集超 6500 万欧元资金支持业务快速发展。截至目前，已在 21 艘船舶上安装了 38 套 Norsepower Rotor Sail™。ABB、NAPA、RISE、劳氏船级社 Lloyd's Register等独立第三方机构，已验证了该转子帆超过 10 万小时的运行性能数据。如需了解 Norsepower Rotor Sail™。

www.norsepower.com

NORSEPOWER

SPEAKER 演讲嘉宾

SolidSail by Chantiers de l'Atlantique

Adrien Benoist

Strategy and Developement Wind Propulsion

Wind Propulsion, an Economical Asset for Your Fleet

Adrien Benoist has 15 years in Chantiers de l' Atlantique with more than 12 years working as naval architect on several kind of vessels, Adrien is now in charge of strategy and development of SolidSail Wind propulsion equipment.

Wind propulsion is still considered widely in the shipping industry either as a choice for dreamers or for past idealists. Pushed by latest innovations, wind propulsion now demonstrates it gives payback to newbuild but also retrofitted vessels.

解锁船队经济新潜力，风力推进助力可持续运营

Adrien 在 Chantiers de l'Atlantique 任职 15 年，其中 12 年以上担任船舶设计师，参与过多种类型船舶的相关工作。目前，他负责 SolidSail 风力推进设备的战略规划与业务拓展。

在航运业，风力推进长期被普遍视为“梦想家的选择”或“过去理想主义者的追求”。但在最新创新技术的推动下，风力推进已充分证明，无论是新建船舶还是改装船舶，采用该技术都能带来投资回报。

SPEAKER 演讲嘉宾

Suzhou Since Gas Technology Co Ltd
苏州新思气体技术有限公司

Sam Pan 潘忠圣

AGA销售总监 AGA BLM

Iteration of Types and Future Development Trends of Marine Nitrogen Generators

Sam has extensive experience in the sales and management of compressed air purification equipment. During his tenure, based on market and business demands, he led his team to establish a regional sales network, develop team capabilities, optimize sales strategies, and drive the rapid growth of the complete machine business.

Analyze the mainstream types of current marine nitrogen generators, focus on the core advantages of Suzhou SinceGas products, and gain insights into the future direction of its technological research and development and market layout.

船用制氮机的类型迭代与未来发展趋势

潘忠圣拥有丰富的压缩空气净化设备的销售及管理经验。在任期间，基于市场和业务需求，他带领团队建立区域销售网络，发展团队能力，优化销售策略，推动了整机业务的快速发展。

解析当前船用制氮机市场主流类型，聚焦苏州新思气体产品的核心优势，洞见其技术研发与市场布局的未来方向。

Since Gas 新思气体

SESSION 会议环节

Alternative Energy Sources & Its Supply Chain Support
Nuclear
替代能源与供应链支持
核能

Rethinking Long-Range Maritime Energy

As the industry seeks ultra-low-emission solutions for long-haul shipping, nuclear propulsion is re-emerging as a topic of serious exploration. This session will address technological feasibility, safety protocols, regulatory hurdles, and public perception. Experts will discuss small modular reactors (SMRs) and their potential role in future fleets.

After exploring the future of nuclear power in the session, join us from 16:00–17:00 at the Innovation Connects, powered by Lloyd' s Register, to unwind, network, and continue the conversation over refreshments. Let' s toast to innovation and a sustainable maritime future!

重新审视远程海事能源

随着航运业为长途航运寻求超低排放解决方案 nuclear propulsion 正重新成为备受关注的探索议题。本次会议将围绕 technological feasibility、safety protocols、regulatory hurdles 及公众认知展开探讨。专家们将深入讨论小型模块化反应堆 (small modular reactors, SMRs) 及其在未来船队中可能扮演的角色。

在会议探讨完核能的未来发展前景后，欢迎您于 16:00–17:00 前往由 Lloyd' s Register 支持的 "Innovation Connects" 活动现场。您可在此放松交流、拓展人脉，并在享用茶点的同时继续深入探讨相关话题。让我们共同为创新与可持续航运的未来举杯！

Moderator

Jez Sims, Chair of Project Manager for Nuclear Power Project Team, The International Association of Classification Societies, IACS

Panellists

Nikkii Ng, Technical Specialist Process and Fire Safety / Technical Directorate, Lloyd' s Register
Lin Qingshan, the Vice President of Jiangnan Shipyard(Group) Co Ltd
Xie Kui, Professor, Shanghai Jiao Tong University
Kirk Du, Deputy Managing Director, Ulstein Group

MODERATOR 主持人

The International Association of Classification Societies, IACS

Jez Sims

Chair for Project Manager for Nuclear Power Project Team

Rethinking Long-Range Maritime Energy

Jez Sims is a Nuclear and Submarine Technology Specialist at Lloyd's Register, which plays a pivotal role in advancing nuclear technology in the maritime sector. With over 25 years of experience in the field of nuclear assurance and engineering management, Jez has provided independent assurance for EDF (UK), conducted audits and inspections for the Royal Navy, and managed engineering teams and maintenance for HMS Astute and other submarines. He has been actively involved in leading discussions on nuclear ships and offshore topics, leading the way in marine propulsion and future fuels.

IACS, founded in 1968, is a global association of classification societies that sets technical standards for ship design, construction, and maintenance. It works closely with the IMO and covers over 90% of the world's cargo tonnage, promoting safety and environmental protection in maritime operations. Jez is the Project Chair for the nuclear project team within IACS, he leads the IACS efforts in advancing nuclear technology initiatives and fostering collaboration across the industry. IACS focus is on driving innovation, ensuring safety, and supporting global energy transition goals.

重新审视远程海事能源

Jez Sims 是 Lloyd's Register 的 Nuclear and Submarine Technology Specialist，该机构在推动海事领域的核能技术发展方面发挥着关键作用。Jez 在核能保障与工程管理领域拥有超过 25 年的经验，曾为 EDF (UK) 提供独立保障服务，为 Royal Navy 开展审计与检查工作，并负责 HMS Astute 及其他潜艇的工程团队管理与维护工作。他积极牵头开展关于核动力船舶与海上领域相关议题的讨论，在船舶推进技术与未来燃料领域发挥着引领作用。

IACS成立于1968年，是一个全球性船classification societies，负责制定船舶设计、建造及维护领域的技术标准 technical standards。该协会与IMO保持密切合作，其业务覆盖全球 90% 以上的 cargo tonnage，致力于在 maritime operations 中推动安全保障与环境保护工作。

Jez Sims 是 IACS 内部 nuclear project team 的项目主席，他带领 IACS 推进 nuclear technology initiatives，并促进全行业范围内的协作。IACS 的核心工作重点是推动创新、保障安全，以及支持全球能源转型目标。

IACS

PANELLIST 论会嘉宾

Lloyd's Register

Nikkii Ng

Technical Specialist -
Process and Fire Safety / Technical Directorate

Rethinking Long-Range Maritime Energy

Nikkii has 20 years' experience in the upstream energy and maritime sectors gained in front end and detailed design engineering related activities, safety and risk consultancy as well as independent third-party verifications for compliances with Regulatory requirements. She has been involved in numerous offshore and onshore energy related facilities at various stages of the cradle to grave lifecycle of the asset, in Southeast Asia, Middle East, Canada and the North Sea. Her current focus is on projects relating Her role with Lloyd' s Register is predominately focused on process safety related aspects in LR' s Rules and Regulations development related to decarbonisation solutions and developments in both maritime and upstream energy sector.

Lloyd' s Register (LR) is a global professional services group specialising in marine engineering, technology and digital solutions. We were created more than 260 years ago as the world' s first marine classification society to improve and set standards for the safety of ships. Today we are a leading provider of classification and compliance services to the marine and offshore industries, helping our clients design, construct and operate their assets to accepted levels of safety and environmental compliance. Our digital solutions are relied upon by more than 30,000 vessels, following the acquisition of OneOcean in 2022 and Ocean Technologies Group in 2024. In the race to zero emissions, our research, advisory and technical expertise and industry-firsts are supporting a safe, sustainable maritime energy transition. Lloyd' s Register Group is wholly owned by the Lloyd' s Register Foundation, a politically and financially independent global charity that promotes safety and education.

重新审视远程海事能源

Nikkii 在 upstream energy 与 maritime sectors 拥有 20 年从业经验，这些经验涵盖前端及详细设计工程相关工作、安全与风险咨询，以及为符合监管要求而开展的独立第三方验证。她曾参与东南亚、中东、加拿大及北海地区多个海上与陆上能源相关设施的项目，涉及这些资产从 cradle to grave 全生命周期的各个阶段。目前，她的工作重点集中在相关项目上。在 Lloyd' s Register 任职期间，她的核心职责主要聚焦于过程安全相关领域，具体参与 Lloyd' s Register (LR) 规则与规范的制定工作 —— 这些规则与规范涉及海事及上游能源领域脱碳解决方案与技术发展的相关内容。

Lloyd' s Register (LR) 是一家全球专业服务集团，专注于船舶工程、技术及数字化解决方案。公司成立于 260 多年前，是全球首家船级社，最初旨在提升船舶安全水平并制定相关标准。如今，它已成为海事及海上行业领先的船级与合规服务提供商，助力客户设计、建造和运营资产，确保其达到公认的安全与环境合规标准。2022 年收购 OneOcean、2024 年收购 Ocean Technologies Group 后，已有超过 30,000 艘船舶采用其数字化解决方案。在迈向零排放的征程中，LR 的研究、咨询及技术专长，以及多项行业首创成果，正为安全、可持续的海事能源转型提供支持。Lloyd' s Register Group 由劳氏船级社基金会 (Lloyd' s Register Foundation) 全资拥有，该基金会是一家政治及财务独立的全球慈善机构，致力于推动安全与教育事业发展。

www.lr.org

PANELLIST 论会嘉宾

Jiangnan Shipyard (Group) Co Ltd
江南造船(集团)有限责任公司

Lin Qingshan 林青山

Vice President 副总经理

Rethinking Long-Range Maritime Energy

Lin Qingshan is a Senior Legal Counsel for State-Owned Enterprises、Senior Engineer and an Arbitrator of the Shanghai International Economic and Trade Arbitration Commission. He graduated from Shanghai Jiao Tong University in 1999 with a master' s degree in Ship and Ocean Engineering Design and Manufacturing. In 2014, he obtained an MBA degree from China Europe International Business School. Currently, he serves as the vice president of Jiangnan Shipyard(Group) Co,Ltd, mainly in charge of the company' s sales & marketing, ship type research and design, supply chain, scientific development and legal affairs management.

重新审视远程海事能源

林青山，国有企业一级法律顾问，高级工程师，上海国际经济贸易仲裁委员会仲裁员。1999年毕业于上海交通大学,船舶与海洋结构物设计制造专业,硕士研究生学位；2014年获得中欧国际工商学院工商管理硕士学位。现任江南造船(集团)有限责任公司副总经理，主要分管公司市场营销、船型研发与设计、供应链、科技发展和法律事务管理等业务。

CSSC 江南造船（集团）有限责任公司 JIANGNAN SHIPYARD (GROUP) CO., LTD.

PANELLIST 论会嘉宾

Shanghai Jiao Tong University
上海交通大学

Xie Kui 谢奎

Professor
特聘教授

Rethinking Long-Range Maritime Energy

Kui Xie, a Distinguished Professor at Shanghai Jiao Tong University and a recipient of the National Science Fund for Distinguished Young Scholars, serves as the director of the Institute of Nuclear Energy Engineering and Nuclear Technology, the director of the Isotope Separation Application Center at the Changxing Ocean Laboratory, and the director of the Radiochemical Laboratory at the China Nuclear Power Technology Research Institute. His primary research focuses on novel materials and methods for isotope separation. He has pioneered the development of porous single-crystal materials, achieving high-throughput separation of light isotopes by regulating fluid mass transfer behavior in confined spaces, and has established a demonstration line for isotope separation research. He has led several key national projects, including major initiatives under the National Natural Science Foundation of China and original isotope separation technologies supported by the Chinese Academy of Sciences. Moreover, he has undertaken key research on tritium separation technologies for advanced pressurized water reactors, constructing a liquid tritium separation platform and completing comprehensive cold and hot testing of the entire process. He has published over 200 papers in prestigious journals such as Nat Sustain, Nat Commun, Angew Chem and has filed more than 20 national invention patents.

重新审视远程海事能源

谢奎，上海交通大学特聘教授、国家杰青，核能工程与核技术研究所所长、上海长兴海洋实验室同位素分离应用中心主任、中广核研究院放化实验室主任。主要从事同位素分离新材料与新方法的研究，创新研制多孔单晶新材料，通过调控受限空间流体传质行为，实现轻质同位素的高通量分离，并建成同位素分离研究示范线。先后主持国家基金重大研究计划重点项目、中国科学院原创同位素分离技术等项目。承担先进压水堆氚分离关键技术攻关，建成液氚分离台架并完成全流程工艺的冷热态验证。在Nat Sustain、Nat Commun、Angew Chem等期刊发表论文200余篇，申请国家发明专利20余件。

PANELLIST 论会嘉宾

Ulstein Group

Kirk Du

Deputy Managing Director

Rethinking Long-Range Maritime Energy

Kirk Du works as Deputy Managing Director of Ulstein China. He is the key sales responsibility of Ulstein' s projects in China. Before stepping into his current position, he worked as the manager of the design department, Marketing & Sales Director of Ulstein China. Kirk has a Master' s degree from the Norwegian University of Science and Technology (NTNU) and a Bachelor' s degree from Shanghai Jiao Tong University, both have given him a strong and solid technical background.

Ulstein is a Norwegian third-generation family-owned company and an internationally renowned provider of ship designs, shipbuilding and system solutions for ships. The main focus industry is offshore oil & gas, offshore wind, exploration cruise, fishery. Ulstein established in China since 2003, over the years, we have been working with partner yards, including COSCO, CMHI, CIMC Raffles, CSSC Waigaoqiao, CSSC Wuchang, ROC, Sinopacific, delivered approx. 60 Ulstein designs for worldwide clients. We will keep turning visions into reality with our customers and pushing progress in the maritime industry.

重新审视远程海事能源

Kirk Du 现任 Ulstein 中国区副总经理，主要负责 Ulstein 在中国市场的项目销售核心工作。在担任现职前，他曾历任 Ulstein 中国区设计部经理、市场与销售总监。Kirk 持有挪威科技大学 (NTNU) 硕士学位及上海交通大学学士学位，扎实的学术背景为他奠定了深厚的技术功底。

Ulstein 是挪威一家第三代家族企业，也是国际知名的船舶设计、造船及船舶系统解决方案提供商。公司核心服务领域包括海上油气、海上风电、探险邮轮及渔业。自2003年进入中国市场以来，Ulstein 多年来与中远海运、招商局重工、中集来福士、外高桥造船、武昌造船、熔盛重工、太平洋造船等中国船厂建立合作，已向全球客户交付约60艘采用 Ulstein 设计的船舶。未来，Ulstein 将继续与客户携手将愿景变为现实，推动海事行业持续发展。

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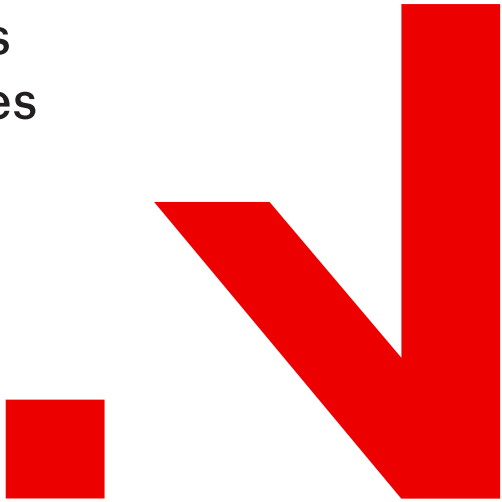

Innovation Norway

SPEAKER 演讲嘉宾

Eltronic Fueltech

Kenneth Thorup

Sales Director

Ammonia as Future Fuel

Kenneth Thorup is a Danish commercial leader and Sales Director at Eltronic FuelTech, a company developing advanced fuel systems for emerging clean fuels across the maritime industry. With a career that has evolved from hands-on operational roles to strategic leadership, he combines technical insight with strong commercial execution. Kenneth has a proven track record in building high-performing teams and developing talent, focusing on coaching-based leadership, continuous growth, and aligning people with purpose. His passion for innovation and sustainable energy solutions drives his work in shaping the future of green maritime technology. Known for balancing strategic vision with practical execution, Kenneth thrives at the intersection of technology, people, and business.

The global transition toward carbon-neutral energy systems is accelerating, and the maritime and heavy-industry sectors face increasing pressure to decarbonise without compromising energy density, operational reliability, or commercial competitiveness. Ammonia has emerged as one of the most promising alternative fuels capable of enabling deep decarbonisation at scale. Produced from renewable electricity and nitrogen, green ammonia offers a pathway to zero-carbon propulsion while leveraging existing global shipping, storage, and handling infrastructure. This presentation explores ammonia' s potential as a clean fuel. We will also review the current technology landscape, including ammonia-ready engines, fuel supply systems, and safety architectures. Critical challenges such as toxicity, combustion behaviour, NOx emissions, and fuel availability, all will be addressed, alongside the innovations and cross-industry collaborations driving solutions. By presenting technological progress, real-world pilot projects, and strategic considerations for stakeholders, this session aims to provide a balanced, forward-looking perspective on ammonia' s role in achieving a sustainable and commercially viable energy transition.

氨:未来的燃料

Kenneth Thorup 是丹麦商业领袖，现任 Eltronic FuelTech 销售总监，该公司专注为海事行业研发适配新兴清洁燃料的先进燃料系统。他的职业生涯从一线运营岗位逐步过渡到战略领导岗位，兼具深厚技术洞察力与出色商业执行能力。Kenneth 在打造高绩效团队、培养人才方面成绩斐然，秉持教练式领导理念，注重团队持续成长，推动成员与公司目标保持一致。他对创新及可持续能源解决方案充满热忱，这份动力驱动着他投身绿色海事技术的未来塑造工作。Kenneth 以平衡战略愿景与实际执行为特色，在技术、人才与业务的交叉领域展现出卓越能力。

全球向碳中和能源系统的转型正在加速，海事及重工业领域面临着日益增长的脱碳压力，且需在脱碳过程中保障能源密度、运营可靠性与商业竞争力不受影响。氨已成为最具潜力的替代燃料之一，能够实现大规模深度脱碳。绿色氨由可再生电力与氮气生产而成，既为零碳推进提供了可行路径，又能充分利用全球现有的航运、存储及装卸基础设施。本演讲将探讨氨作为清洁燃料的应用潜力，同时梳理当前技术格局，包括氨兼容发动机、燃料供应系统及安全架构等关键领域。演讲还将聚焦氨燃料面临的核心挑战 —— 如毒性、燃烧特性、氮氧化物排放及燃料可获得性，并介绍推动这些问题解决的创新技术与跨行业合作。通过展示技术进展、实际试点项目及相关方的战略考量，本环节旨在为氨燃料在实现可持续且具备商业可行性的能源转型中所扮演的角色，提供客观平衡、具有前瞻性的视角。

https://eltronicfueltech.com/

Eltronic FUELTECH

MINO

SPEAKER 演讲嘉宾

Chengrui Power Technology (Shanghai) Co Ltd
澄瑞电力科技(上海)股份公司

Wu Shengwei

Assistant Director of Engineering and Technology

Announcement of the Vallianz–CRT JV and E-Tug Project Collaboration Signing

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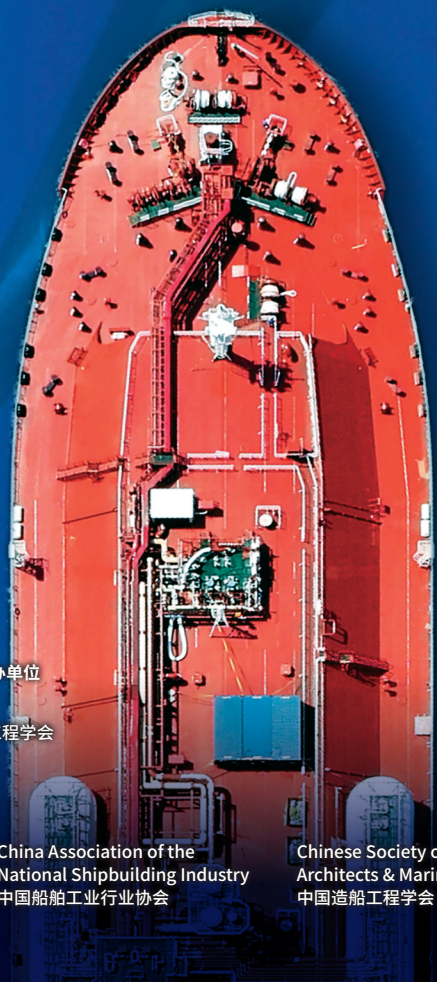

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Instructions for Cloud Simultaneous Interpreting

步骤一： 用手机扫描二维码 (如下所示)，点击右上角 “…”，选择在浏览器中打开。

步骤二： 若手机无扫码工具，可直接打开浏览器，输入以下地址：(如下所示) 。

步骤三： 点击页面中间的 “开始会议” 按钮，启动同声传译功能。

步骤四： 点击顶部的 “语言选择” 按钮，挑选所需语言。

Step 1: Scan the code shown as below with your mobile phone, click the “…” at the upper right corner following the prompt to open it with a browser.

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Step 3: Click the “Start Meeting” button in the middle of the page to start the simultaneous interpreting.

Step 4: Click the “BUTTON” button on top to select the language required.

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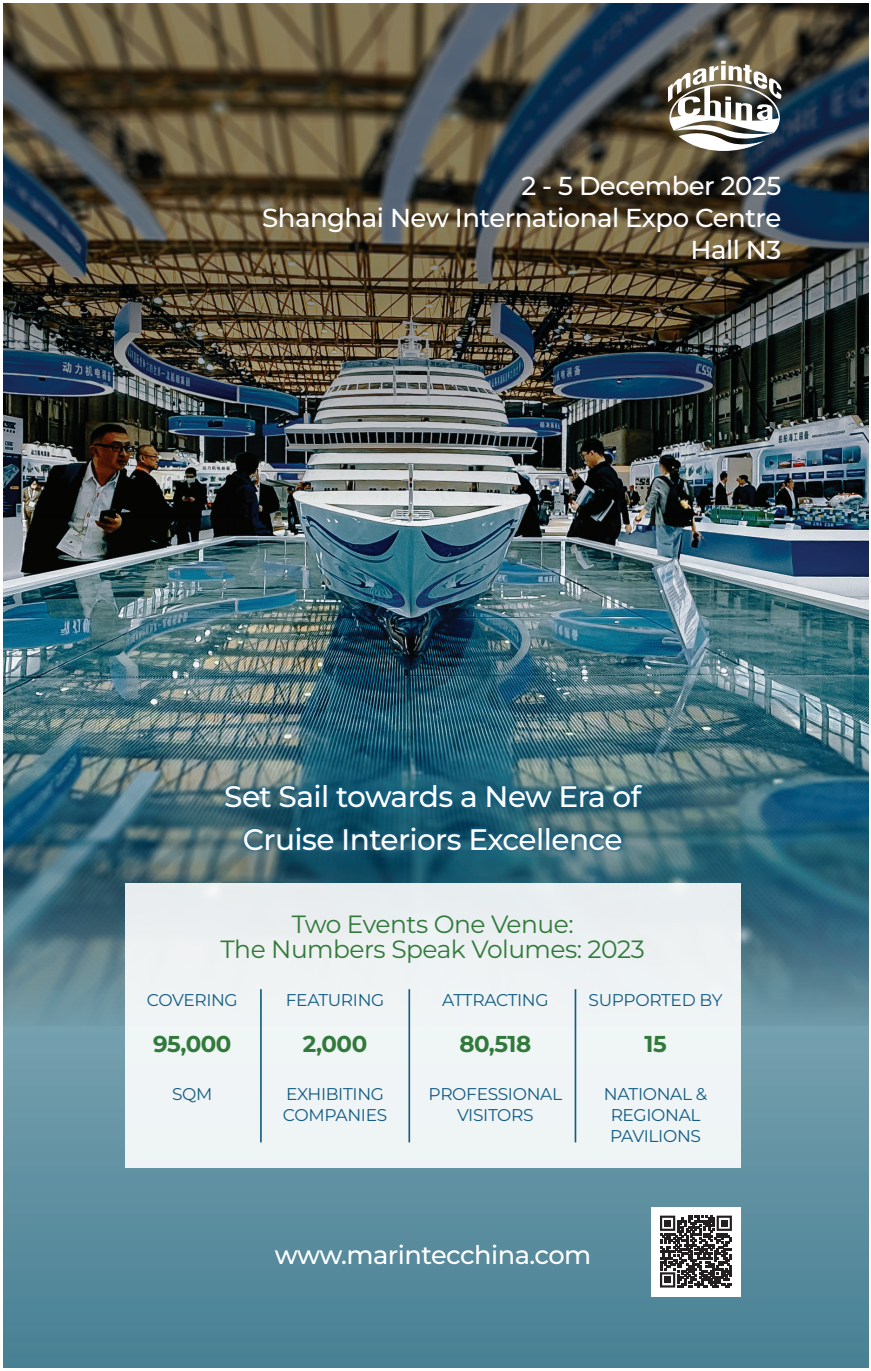
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