



Leading Sustainable Shipping Technologies Forum

Connect. Exchange. Shape the Future!

Next Forum: 25 June, 2026 in Hamburg, Germany



Program #LSSTF26

25 JUNE, 2026 - MORNING SESSION

9:00 Opening & Welcome

Opening & Welcome



Jens Meier
HPA Hamburg Port Authority



Thomas Jauk
LEC Large Engines Competence Center



Niels Wiecker
Ministry of Economy, Labour and Innovation



Willibald Ehrenhöfer
Styrian Regional Minister for Economy, Labour, Finance, Science and Research (via video message)



Kolja Harders
Hamburg Ministry of Economy, Labor, and Innovation

09:30 Session I: Autonomous Solutions for Sustainable Ports and Last-Mile Logistics

Ports and logistics are getting smarter, greener, and more efficient. This session highlights projects using autonomous and robotic solutions to transform port operations, hinterlands, and last-mile logistics. From intelligent robotic systems cleaning our oceans, to zero-emission urban deliveries and optimized port-rail connectivity, discover how innovation is driving sustainability across the maritime supply chain.



Hurdles on the Last Green Mile: When Theory Meets Practice
Christiane Kuhrt
Senate of the Free and Hanseatic City of Hamburg



Scaleable Full Cycle Marine Litter Remediation in the Mediterranean: Robotic and Participatory Solutions
Claudia Hertel-ten Eikelder
HPA Hamburg Port Authority



Integrating USVs in busy ports: Operations, Permitting, and Technical Insights from the IPORTUS Project
Johannes Oeffner
Fraunhofer CML

11:00 Coffee Break - Time to Connect

11:30 Keynote and moderated Panel Discussion

Impulse Speech: "The Challenge of Long-Term Climate Change"



Prof. Mojib Latif
Academy of Sciences and Humanities in Hamburg

Panel discussion on "The Hard Truth About Green Shipping: Can Innovation Deliver in Time?", moderated by Kolja Harders



Prof. Mojib Latif
Academy of Sciences and Humanities in Hamburg



Prof. Nicole Wermuth
Graz University of Technology & LEC Large Engines Competence Center



Prof. Friedrich Wirz
Hamburg University of Technology



Jan Seidl-Zelenka
DS NORDEN



Rasmus Stute
DNV



Kolja Harders
Hamburg Ministry of Economy, Labor, and Innovation

13:00 Lunch Break - Time to Connect

25 JUNE, 2026 - AFTERNOON SESSION

14:00 Pitching Session: Navigating the Future - Pioneering Innovations for Sustainable Shipping

The maritime industry is evolving - smarter, cleaner, and more connected than ever. Explore innovations that deliver real-time insights, optimized operations, and reduced environmental impact, shaping the future of sustainable shipping. Join us to see how forward-thinking solutions are steering the industry toward a greener, more efficient horizon.



Techno-Economic Assessment of H2-Propulsion: Ro-Pax and LH2 Carrier Case Studies toward 2035
Hyunchun Park
HD Hyundai Heavy Industries



Decarbonisation across sectors — what can we learn from each other?
Johannes Harding
Zeppelin Power Systems



High-Accuracy GHG Monitoring Using Calibration-Free Laser Spectroscopy Combined with Dilution Sampling
Carsten Hansen
Instrumatic Marine A/S



The role of metrology for the transition toward net-zero shipping
Tamara Sarac
The European Gas Research Group - GERG

15:00 Coffee Break - Time to Connect

15:15 Session II: Advanced Fuels and Scalable Retrofit Solutions

Decarbonizing shipping is possible today. This session showcases practical strategies to reduce emissions in existing fleets, from low- and zero-carbon fuels to scalable retrofit solutions for engines and exhaust systems. Learn how operational adjustments and innovative technologies can deliver immediate, cost-effective impact across deep-sea and inland vessels.



New Ammonia Technologies for Decarbonization of Shipping and Sustainable Economic Value Chains
Angela Kruth
CAMPIRE AG



Drop-in biofuels beyond FAME - pathways and challenges
Jan Seidl-Zelenka
DS NORDEN



Accelerating Maritime Decarbonization through Integrated Energy Efficiency Technologies
Dimitrios Vlachos
HYDRUS ENGINEERING SA

16:45 Coffee Break - Time to Connect

17:00 Session III: Next-Generation Emission Monitoring and Control

Real-time insights lead to smarter shipping. Discover how advanced onboard sensors enable continuous monitoring, performance optimization, and predictive maintenance of marine engines. Learn how secure data sharing supports compliance and transparency, connecting onboard operations with stakeholders to pave the way for cleaner, more efficient maritime transport.



Digitalization and Verification of Marine Live Emission Data - R&D Project "DIVMALDA"
Hinrich Brumm
Endress + Hauser



From Design to Operation: Data-Driven Decision Support for Efficient Maritime Energy Systems
Thilo Jürgens-Tatje
ISM GmbH



Advanced methods for condition monitoring and control of large engines in maritime applications
Christian Laubichler
LEC Large Engines Competence Center

18:30 Closing



Karsten Schönewald
Flotte Hamburg



Igor Sauperl
LEC Large Engines Competence Center



Nina Simon
LEC Large Engines Competence Center

Evening Social Event at the Museum starting at 19:00

To conclude the forum, an evening get-together at the IMM invites participants to engage over refined after-work snacks and selected drinks. The rooftop terrace offers impressive views of the Hamburg skyline, and an exclusive, registration-based tour provides additional insights into the museum's collection. The evening also serves as a warm-up for the FIFA match Ecuador-Germany at 22:00, offering an appropriate setting to close the day and strengthen professional connections.

The forum is jointly organized by



We thank all our supporters—listed in the Green Shipping Innovation Network under the "Supporter" filter—for their essential contributions. As a COMET Centre, LEC acknowledges the support of its funding bodies, the Ministry of Innovation, Mobility and Infrastructure and the Ministry of Economy, Energy and Tourism, as well as the co-financing provinces of Styria, Tyrol and Salzburg, and FFG, in funding research into green energy and transport systems, which is particularly important for advancing green shipping.