DECARBONIZING SHIPPING
DECEMBER 15TH
06:00 AM MIAMI | 12:00 HAMBURG

OTHER SPONSORS:

EVENT PARTICIPANTS

MSC
ALJ Group invites you to join efforts for a greener maritime future at our brand new event Decarbonizing Shipping Virtual Forum!

The decarbonization agenda in the shipping industry is becoming increasingly more ambitious and it requires to explore new ways of cutting on emission in day-to-day ship operations as well as long-term solutions that would bring about a lasting positive impact. Therefore, we are offering the platform to discuss the most promising future maritime fuels, innovations, operational measures and technologies that are accelerating the highest ship efficiency levels and digital solutions for a more effective ship management.

Tune in for the virtual forum to network with the industry peers who are bringing thought-provoking ideas and innovative solutions to the maritime sector!

**Future Fuels**

- Which fuels or fuel mix, will be used in the next 30 years?
- Searching for the greenest fuels – which options have the best economic and environmental effect?
- HFO with scrubbers – Pros and Cons, latest innovations, future prospects
- LNG – reducing infrastructure CAPEX, lowering the methane slip, storage and handling technologies
- LPG – LPG production forecast, benefits of LPG powered fleet
- Hydrogen - infrastructure status and development, green production
- Methanol – design and operation of methanol fueled ships, fuel cost forecast
- Biofuels (biodiesel, liquefied biogas, etc.) - infrastructure and development, supply challenges, pricing forecast
- Ammonia - infrastructure, supply challenges, pricing forecasts
- Hybrid electric solutions (electrification, batteries, fuel cells, cold ironing) - availability, prices and scaling

**Energy Efficiency Measures**

- **Machinery**
  - optimisation of auxiliary systems
  - engine performance optimization
  - engine de-rating
  - Stop Plastic Bottled Water - Protect Seafarers and the Environment
  - exhaust gas boilers on auxiliary engines
  - variable engine speed
  - shaft generators (PTI/PTO)
  - efficient lighting system
  - variable frequency drives
- **Hydrodynamics**
  - Hull cleaning
  - hull coating
  - hull form optimization
  - hull modifications
  - propulsion efficiency devices
  - propeller efficiency and propeller retrofit

**Digital Shipping**

- Autonomous vessels - future of shipping?
- Cyber Resilience: Incident Monitoring, Analysis and Response
- Importance of connectivity in digital operations
- Innovation in satellite communication
- IT solutions for:
  - Reducing fuel consumption,
  - Route optimization,
  - Weather routing
  - Cargo tracking
  - Autopilot optimization
  - Trim/draft optimization

**Engineering Solutions for Sustainability and Better Efficiency**

- Propulsion technologies, wind-assisted ship propulsion
- Scrubber technologies from manufacturer and shipowner perspectives
- The peak of scrubber technologies – what’s next?
- The role of SCR technology in NOx control
- Ballast Water treatment – best practices and solutions
- HVAC – electronic control, increasing SEER rating
- Green technologies contribution to reduced emissions and carbon management
- Technologies helping to build ships with least possible carbon foot-prints
12:00-12:10 OPENING SPEECH BY ALJ GROUP

12:10-12:30 KEYNOTE SPEECH
Bud Darr, Executive Vice President, Maritime Policy and Government Affairs, MSC Group

12:30-12:50 DECARBONISATION: IT'S NOT A MATTER OF LIFE OR DEATH, IT'S MUCH MORE IMPORTANT THAN THAT
Roger Strevens, VP Global Sustainability, Wallenius Wilhelmsen

12:50-13:10 CUTTING CARBON IN SHIPPING – THE LNG CHALLENGE
Julien Bec, VP LNG as a Fuel, GTT

13:10-13:30 CARBON NEUTRAL SHIPPING AND NATURE BASED SOLUTIONS
Matthew Laustrup, Sales Manager – Carbon and Nature Based Solutions, First Climate

13:30-13:50 UPDATE ON THE IMO SHIPPING DECARBONIZATION AGENDA
Camille Bourgeon, Technical Officer, Subdivision for Protective Measures, Marine Environment Division, IMO

13:50-14:10 THE PATHWAYS TO DECARBONIZATION
Tore Enger, CEO, TECO 2030

14:10-14:30 BRS CARBON DESK - UTILIZING CARBON CREDITS AS AN ALTERNATIVE FINANCE TOOL TO FUEL THE ENERGY TRANSITION OF THE SHIPPING INDUSTRY
Alexander Hochreutener, Partner, Barry Rogliano Salles

14:30-14:50 CLIMATE CHANGE IMPLICATIONS FOR SEAPORTS - UNDERSTANDING THE CHALLENGE
Regina Asariotis, Chief, Policy and Legislation Section, Division on Technology and Logistics, UNCTAD

14:50-15:10 STOP PLASTIC BOTTLED WATER FOR VESSELS - PROTECT SEAFARERS, ELIMINATE PLASTIC BOTTLES ONBOARD, REDUCE GHGs OCEAN AND SHIP WASTE, ELIMINATE WASTE MANAGEMENT CHARGES
Giorgios Kyriazis, Associate, P Ship Systems

15:20-15:40 THE NEW ART OF SHIPPING: JUST-IN-TIME ARRIVAL - CREATING RESILIENCY AND EFFICIENCY ACROSS GLOBAL SUPPLY CHAINS
Bruce Mills, Manager, Business Development Ship Traffic Control, Wärtsilä Voyage

15:40-16:00 THE USE OF GREEN METHANOL AND NABH4 (AS A H2 CARRIER) FOR SHIPPING
Jan Egbertsen, Manager, Innovation, Port of Amsterdam

16:00-16:20 THE USE OF AMMONIA AS MARINE FUEL
Jan Floere, Vice President, NETScio

16:20-16:40 CLEAN HULLS GIVE EFFICIENCY BOOST AND REDUCE EMISSIONS
Petter Korslund, Sales Director, Hull Performance Solutions, Jotun

17:00-17:20 WASTE MANAGEMENT IN JAMAICA: A MARPOL PERSPECTIVE
Kyle Taffes Mullane, Director of Operations, RYCO-JA

17:20-17:40 CYBER RESILIENCE, INCIDENT MONITORING, ANALYSIS AND RESPONSE
Amit Basu, Vice President, CIO & CISO, International Seaways

17:40-18:00 THE UNREVEALED ENERGY SAVING POTENTIAL OF DYNAMIC VALVE TECHNOLOGY
Rasmus Frimann Nielsen, Product Manager - Marine, Frese

18:00-18:20 AUTOMATED FUEL CONSUMPTION CONTROL - THE PATH OF SAVINGS AND REDUCED EMISSIONS
Andrey Shapovalov, Chief Commercial & Business Development, Breeze Marine Group

18:20-18:40 THE DECARBONISATION OF MARITIME INDUSTRY
Stefano de Marco, General Manager Sales – Market Innovation, Wärtsilä Marine Power

18:40-19:00 NEW DEVELOPMENT OF LNG BUNKERING VESSELS AND SMALL SCALE LNG
Rolf Stiefel, Regional Chief Executive, Marine & Offshore, Bureau Veritas Group

19:00-19:10 CLOSING REMARKS BY ALJ GROUP