VIRTUAL FORUM

DECARBONIZING SHIPPING

DECEMBER 15TH

06:00 AM MIAMI | 12:00 HAMBURG

MAIN SPONSOR

msc

OTHER SPONSORS:

JOTUN · BRS GROUP · RYCO-JA · firstclimate (Green Energy, Climate Neutral, Water) · P Ship Systems Ltd. (Crew Water. Perfected.) · GTT (Technology for a Sustainable World) · Netsco (Naval Architecture & Marine Engineering) · BREEZE MARINE GROUP · TECO 2030 · Frese · WÄRTSILÄ

EVENT PARTICIPANTS

MAERSK TANKERS · DFDS · International Seaways, Inc. · CARNIVAL CORPORATION&PLC · Royal Caribbean Cruises Ltd. · NORWEGIAN CRUISE LINE · OLDENDORFF

TORM · Stolt Tankers · Stena Line · B · ARKAS Line · UNIFEEDER · FRS

ZEABORN · J. LAURITZEN · JUMBO · Celsius SHIPPING · COLUMBIA CRUISE SERVICES · JOHN T. ESSBERGER · ARISTA

ANGELICOUSSIS GROUP · CARDIFF MARINE INC. · DYNACOM TANKERS MANAGEMENT LTD. · THENAMARIS · STAR BULK · MTM

MARMARAS NAVIGATION LTD · ALPHA BULKERS SHIPMANAGEMENT INC. · DIANA SHIPPING INC. · EASTERN MEDITERRANEAN MARITIME Limited · COSTAMARE SHIPPING COMPANY S.A. · GOLDEN UNION · SAFEBULKERS

CAPITAL SHIP MANAGEMENT CORP · OLYMPIC SHIPPING AND MANAGEMENT S.A. · CHANDRIS (HELLAS) INC. · NEDA MARITIME AGENCY Co Ltd · TSAKOS Group · NEW SHIPPING · danaos

POLEMBROS SHIPPING · ENTERPRISES SHIPPING & TRADING S.A. · Centrofin Management Inc. · ARCADIA SHIPMANAGEMENT CO. LTD. · LASKARIDIS SHIPPING CO.LTD. · Nereus Shipping S.A.

Alma MARITIME LIMITED · ENESEL S.A. · GEORGE MOUNDREAS & COMPANY S.A. · Samos Steamship Co. · LOMAR · GASLOG

ZIM · BW DRY CARGO · FORWARD SHIPS · MINERVA MARINE Inc. · TECHNOMAR SHIPPING INC · TRANS-MED SHIPPING · KYKLADES MARITIME CORPORATION

VWC · ORPHEUS MARINE TRANSPORT CORPORATION · TALLINK · SEADREAM YACHT CLUB · BSM · ETAP · MARE MANAGEMENT

Navios Tankers Management Inc. · LATSCO SHIPPING LIMITED · TK · msc · SVITZER · AMAWATERWAYS · HBC HAMBURG BULK CARRIERS

MERIAURA · TEAM · KOBAN · VROON · Peter Döhle Schiffahrts-KG · The World Residences at Sea · BENETECH

ESVAGT · d'Amico · WINDSTAR CRUISES · Nova Marine Carriers YOU IMAGINE. WE SEA. · CHEMBULK TANKERS · BW DRY CARGO · X-PRESS FEEDERS

EVERGAS · PRINCESS CRUISES · Wallenius Wilhelmsen · NAKILAT ناقلات · HEIDMAR · GLEN ENGINEERING limited FOCUS ON MARINE AND OFFSHORE

CLIR · TATA STEEL · babcock · BREEZE MARINE GROUP · Port of Amsterdam · JOTUN · BUREAU VERITAS

GTT Technology for a Sustainable World · firstclimate Green Energy, Climate Neutral, Water · P Ship Systems Ltd. Crew Water. Perfected. · LIBERIAN REGISTRY · WÄRTSILÄ · Netsco Naval Architecture & Marine Engineering · TECO 2030

BRS GROUP · Chevron · EUROPIREN · ERNEUERGAS · metizoft · PEACE BOAT Ecoship Project · DNV·GL

south pole · Nova Marine Carriers YOU IMAGINE. WE SEA. · PORT OF TALLINN · Holland America Line SAVOR THE JOURNEY · NM · YANG MING YANG MING MARINE TRANSPORT CORP. · orcan The Efficiency Company

CEPSA · Valmet · atmo · ergar European Renewable Gas Registry · PORT OF OSLO · BMS Barataria Marine Services · Clarksons Platou

KEY TOPICS

VIRTUAL FORUM

DECARBONIZING SHIPPING

DECEMBER 15TH

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!

1 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

2 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

3 Digital Shipping

- Autonomous vessels - future of shipping?
- Cyber Resilience: Incident Monitoring, Analysis and ResponseImportance 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

4 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

info@alj-group.com +442080895944

SPEAKERS AND VIEWERS

VIRTUAL FORUM
DECARBONIZING SHIPPING
DECEMBER 15TH

SPEAKER
Camille Burgeon
Technical Officer, Subdivision for Protective Measures, Marine Environment Division, IMO

SPEAKER
Regina Asariotis
Chief, Policy and Legislation Section, Division on Technology and Logistics, UNCTAD

SPEAKER
Bud Darr
Executive Vice President, MaritimePolicy and Government Affairs, MSC Group

SPEAKER
Matthew Laustrup
Sales Manager – Carbon and Nature Based Solutions, First Climate

SPEAKER
Amit Basu
Vice President, CIO & CISO, International Seaways

SPEAKER
Giorgos Kyriazis
Associate, P Ship Systems

SPEAKER
Petter Korslund
Sales Director, Hull Performance Solutions, Jotun

SPEAKER
Julien Bec
VP LNG as Fuel Division, GTT

SPEAKER
Roger Strevens
VP, Global Sustainability, Wallenius Wilhelmsen

SPEAKER
Kyle Tofte Mullane
Director of Operations, RYCO-JA

SPEAKER
Stavros F. Papageorgiou
Operational Technology & Energy Manager, Energy Management Representative

SPEAKER
Rolf Stiefel
Regional Chief Executive, Marine & Offshore, Bureau Veritas Group

SPEAKER
Alexander Hochreutener
Partner, Barry Rogliano Salles

SPEAKER
Jan Egbertsen
Manager Innovation, Port of Amsterdam

SPEAKER
Jan Flores
Vice President, NETSCo

SPEAKER
Tore Enger
CEO, TECO 2030

SPEAKER
Bruce Mills
Manager, Business Development Ship Traffic Control Wärtsilä Voyage

SPEAKER
Stefano de Marco
General Manager Sales - Market Innovation , Wärtsilä Marine Power

SPEAKER
Rasmus Frimann Nielsen
Product Manager - Marine & Industry, Frese

SPEAKER
Andrey Shapovalov
Chief Commercial & Business Development, Breeze Marine Group

VIEWER
Chinmay Desai
Senior Analyst, Fuel Budget & Management at Carnival Cruise Line

VIEWER
Tom Boardley
Senior Advisor, Cruise Lines International Association (CLIA)

VIEWER
Amanj Maroufi
Technical Chief Engineer, Koban Shipping

VIEWER
Nektaria Retsou
Deputy General Manager, Van Weelde Shipping Group

VIEWER
Stefano Gandolfi
Project Engineer, Vroon

VIEWER
Lajos Holmslykke
Performance Management, Torm

VIEWER
Capt. Roy Machart
General Manager, Peter Döhle Schiffahrts

VIEWER
Rajat Verma
Head of HSEQ & Crewing, RockTree Logistics

VIEWER
Pierre Domine
Safety Security Health Environment & Quality- Incidents Investigation, Stolt Tankers

VIEWER
Capt. Vijayachelvan Silva Raju
Head of Global Operations, X-Press Feeders

VIEWER
Joerg Erdtmann
Director Fleet Management, Fast Reliable Seaways

VIEWER
Antonis Trakakis
CTA, Forward Ships

VIEWER
Antonia Pagiaziti
Naval Architect & Marine Engineer, GasLog

VIEWER
Maria Sotiriou
Head of Environmental Compliance, Minerva Marine

VIEWER
Panagiotis Lagou
Technical Superintendent / Project Engineer, FRS Shipmanagement

VIEWER
Sotiris Kyriakidis
Purchasing Operator, Benetech Shipping S.A.

VIEWER
Valter Selen
Senior Policy Advisor for Sustainable Development, Cruise and Ferry Ports, EcoPorts Coordinator, ESPO

VIEWER
Soren Karas
Chief Commercial Officer, Esvagt

VIEWER
Ivana Mellilo
Fleet Performance Manager, d'Amico

VIEWER
Martyn Griffiths
Director Public Affairs, CLIA Europe

VIEWER
Arnaud Dacharry
Chief Engineer, Windstar Cruises

VIEWER
Magnus Ogard
Port of Oslo

VIEWER
Robert Niedostatkiewicz
Cement Carrier Superintendent / Master Mariner, Nova Ship Tech

VIEWER
Terje Svensen
Senior Superintendent Marine Electrical, Royal Caribbean Cruises

VIEWER
Ross Kanzleiter
Sr Director, Technical Programs, Carnival Cruise Line

VIEWER
Irina Svaetichin
Environmental Officer, Royal Caribbean Cruises Ltd.

VIEWER
Anshul Tuteja
Global Fleet Optimization | Associate Vice President Global Marine Operations, Royal Caribbean Cruises

VIEWER
Philip Helmer
Customer Service Manager Feeder, Unifeeder Germany

VIEWER
Martijn Kok
Data Scientist, Port of Rotterdam

VIEWER
Ellen Kaasik
Quality and Environmental Management, Port of Tallinn

VIEWER
Manfred Lebmeier
Senior Environmental Advisor, Hamburg Port Authority

VIEWER
Shyam Vaidya
Director-Technical Operations, Maersk Line

VIEWER
George Mantalos
Technical Manager, Star Bulk

VIEWER
Sune Norup Christensen
Chief Commercial Officer, Europe, Svitzer

VIEWER
Behiye Bahadir
Environmental & Energy Officer, Columbia Cruise Services

VIEWER
Berit Hinnermann
Senior Innovation Project Manager, Maersk

VIEWER
Linda Goodnight
Technical Logistics Manager, Chembulk Tankers

VIEWER
Jon Norman
Sales and Technology Manager, United Conveyor

VIEWER
Zenon Kleopas
Executive Vice President - Technical, Starbulk

VIEWER
Poul Woodall
Director Environment & Sustainability, DFDS

VIEWER
Jonas V. B. Nissen
Head of Operations, BW Dry Cargo

VIEWER
Andreas Simonsson
Environmental Officer, Princess Cruises

VIEWER
Henrik Breddam
Director of Business Development, LanoPro

VIEWER
Ian Adams
Executive Director, Clean Shipping Alliance

VIEWER
Iraklis Kyriakou
Chemical / Environmental Officer, Alberta Shipmanagement

VIEWER
Alexander Panagopulos
Founder & CEO, Forward Ships

VIEWER
Kate Ferguson
Director, Gas Services, Teekay Corporation

VIEWER
Rohit Kapoor
Fleet Director, Teekay Corporation

VIEWER
Andrea Crosetti
Energy Efficiency Management Officer, MSC Cruise Management

VIEWER
Nicholas Rose
Director, Environmental Programs, Royal Caribbean Group

VIEWER
Thomas Fedoration
Vice President Marine & Technical Operations, The World Residences at Sea

VIEWER
Tarvi-Carlos Tuulik
CEO Ship management / Chief Captain, Tallink

VIEWER
Mihir Valkar
Directeur Flotte, Greenship Gas

VIEWER
Andreas Andrianakis
Newbuildings Supervisor, THENAMARIS

VIEWER
Eyal Cohen
Sustainability & Cargo Security Manager, ZIM Integrated Shipping Services

VIEWER
Stefano Conteddu
Senior Manager, Carnival Cruise Line

VIEWER
Jessica Claudia Iacono
Outbound Chartering, TATA Steel

VIEWER
Angelakis Aristidis
Spares Operator, Purchasing Department, Minerva Marine

VIEWER
Rostum Merzouki
Fleet Project Superintendent, Nakilat

VIEWER
Illya Yefremov
Tech. Superintendent, Nakilat

VIEWER
John N. Young
Counsel, Commissioner, Carl W. Bentzel, Federal Maritime Commission

VIEWER
Mario Staiano
Senior Project Manager, Carnival Corporation

VIEWER
Riccardo Macleod
Building Manager, Carnival Corporate Shipbuilding

VIEWER
Lauren West
Naval Architect, AmaWaterways

VIEWER
Jens Von Husen
Managing Director, Hamburg Bulk Carriers

VIEWER
Vasileios Synodinos
Minerva Marine

VIEWER
Tobias Koenig
President & CEO, Lexington LNG Limited

VIEWER
Esko Pettay
Operator, Sustainable Development and Weather, Meriaura

VIEWER
George J. Angelakis
Managing Director, Ambros Maritime

VIEWER
Nora Caswell
Fuel Commodity Manager | Global Fuel Procurement, Royal Caribbean Cruises Ltd

VIEWER
Christopher Schlador
Director Technical Projects Asset Management - Innovation and Projects, Carnival Maritime

VIEWER
Mauricio Lacayo
Sr. Manager, Global Fleet Energy Optimization, Royal Caribbean Group

VIEWER
Helge Grammerstorf
CLIA

VIEWER
Morten Arntzen
Executive Chairman, Team Tankers International

VIEWER
Gregory Dolan
CEO, Methanol Institute

FORUM AGENDA

VIRTUAL FORUM
DECARBONIZING SHIPPING
DECEMBER 15TH

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

14:50-15:20 **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 Flores, Vice President, NETSCo

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

16:40-17:00 **TECHNOLOGIES AND STRATEGIES IN ORDER TO ACHIEVE THE EEXI REQUIREMENTS**
Stavros F. Papageorgiou, Operational Technology & Energy Manager, Lastco Marine Management

17:00-17:20 **WASTE MANAGEMENT IN JAMAICA: A MARPOL PERSPECTIVE**
Kyle Tofte 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
Sergey Tsekmazov , CEO, 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**

info@alj-group.com +442080895944