



The Royal Institution of Naval Architects
**Scaling Decarbonisation Solutions:
Reducing Emissions by 2030**

29th November - 1st December 2022, Rotterdam, NL

In partnership with:



Mærsk Mc-Kinney Møller Center
for Zero Carbon Shipping

Tuesday 29 th November First movers		
09.00-09.25	Coffee and Registration	
09.25-09.30	Welcome Address – Royal Institution of Naval Architects	Session 1
09.30-10.10	Accelerating the Transition towards 2030 C W Graugaard, Mærsk Mc-Kinney Møller Center for Zero Carbon Shipping	
10.10-10.45	Enabling First Movers – Green Corridor Blueprints J Byskov Svendsen, Mærsk Mc-Kinney Møller Center for Zero Carbon Shipping	
10.45-11.20	The Silk Alliance: experience and initial lessons from a green shipping corridor cluster C Raucci, Lloyd's Register	
11.20-11.50	Coffee	
11.50-13.00	Panel discussion on Green Corridors	
13.00-14.00	Lunch	
14.00-15.10	Panel Q&A - Ports • Ports Playbook for Zero-Emission Shipping - A Browne, Pacific Environment • Low-Carbon Socio-Technical Transition in Container Handling Equipment - C Parro • TBC	Session 2
15.10-15.40	Coffee	
15.40-16.15	A sustainable path to decarbonization - the European perspective E Negri, Siemens Energy	
16.15-16.50	Accelerating decarbonisation in shipping through green technology Frederik Pind, NJORD	
16.50-	General Discussion & Evening Drinks Reception	



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Wednesday 30 th November		
Alternative fuels and life cycle analysis		
09.00-09.25	Coffee and Registration	Session 1
09.25-09.30	Welcome Address – Royal Institution of Naval Architects	
09.30-10.10	Maturing Alternative Fuel Pathways T Nørgaard, Mærsk Mc-Kinney Møller Center for Zero Carbon Shipping	
10.10 – 10.45	A Common Methodology for Lifecycle Analysis (LCA) A O'Connor, Mærsk Mc-Kinney Møller Center for Zero Carbon Shipping	
10.45-11.15	Coffee	
11:15 – 12:20	Panel Discussion on Future Fuels (with Topsoe)	
12.20-12.55	Reducing Methane Emissions on Board Vessels I Dimakopoulos, ABS & T McKenney, Mærsk Mc-Kinney Møller Center for Zero Carbon Shipping	
12.55-13.30	Onboard Carbon Capture T McKenney, Mærsk Mc-Kinney Møller Center for Zero Carbon Shipping	Session 2
13.30-14.30	Lunch	
14.30-15.30	Panel Q&A – Ammonia & Methanol - Environmental Assessment of Ammonia as a Marine Fuel - S Parkar, Lloyd's Register - Quantitative Risk Assessment of Ammonia-Fuelled Vessels - A Franks, Lloyd's Register & MMMZCS - The FASTWATER Demonstrator: Retrofitting a pilot boat to methanol operation - Y Pu, Ghent University	
15:30-16:00	Coffee	
16.00-16.35	Addressing decarbonization challenge through study on utilization of hydrogen fuel cells for container vessels - M Pradana, CKB Logistics Group	
16.35-17.10	An investigation into the potential of the molten salt reactor for the propulsion of commercial and naval surface ships – B Scott, BMT	
17.10-17.45	The role of offshore floating nuclear power plants for the production of Green Electro Fuels for the decarbonization of shipping - G Gennaro, Core Power	
17.45 -	General Discussion & Evening Drinks Reception	



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Thursday 1 st December Energy efficiency	
09.00-09.25	Coffee and Registration
09.25-09.30	Welcome Address – Royal Institution of Naval Architects
09.30-10.10	Energy Efficiency as a Decarbonization Kick Starter O Sadó Garriga, Mærsk Mc-Kinney Møller Center for Zero Carbon Shipping
10.10-10.45	Wind Propulsion Scalability: Opportunities & Challenges G Allwright, International Windship Association
10.45-11.20	Benchmarking the Performance of Alternative Fuels on Container Vessels N Abraham, Eveon Containers
11.20-11.50	Coffee
11.50-12.25	The Role of Energy Efficiency in Shipping's Decarbonization Journey – from Cost Leadership to Climate Leadership D Barcarolo, ABS & O Sadó Garriga, Mærsk Mc-Kinney Møller Center for Zero Carbon Shipping
12.25-13.00	<i>The role of Graphene in decarbonization. The Stolt Tankers experience.</i> - J Gonzalez Celis, Stolt Tankers
13.00-14.00	Lunch
14.00-15.00	Panel Q&A – Coating and Air Lubrication - Using Smart Marine Coatings to improve the Carbon Intensity Indicator of the Ships - I Rodionov, Graphite Innovation and Technologies - Energy Efficiency: Data-driven approaches to hull coating selection and specification - R Mihaylova, Safinah Group - Hull air lubrication: A practical, proven energy saving solution - A Dubois, Silverstream
15.00-15.30	Coffee
15.30-16.05	The GUTTA-VISIR system for operational ferry CO2 savings G Mannarini, Euro-Mediterranean Center on Climate Change
16.05-16.40	Increasing awareness and fuel efficiency by sharing operational insights with vessel crews - M Köpke, Hapag-Lloyd AG
16.40-17.15	Energy Efficiency Improvement for Larger Passenger Ship through Hydrodynamic Testing - M Pedisic Buca, Croatian Shipbuilding Corporation
17.15 -	General Discussion & Closure

Session 1

Session 2