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 29th 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, Terminal Investment Limited* **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 30th November **Alternative fuels and life cycle analysis**	
09.00-09.25	**Coffee and Registration**	
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)**	Session 1
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	**The Role of Onboard Carbon Capture in Maritime Decarbonization** *T McKenney,* Mærsk Mc-Kinney Møller Center for Zero Carbon Shipping	
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*	Session 2
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 & Closure**	

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Thursday 1st 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	**Session 1**
12.25-13.00	**The GUTTA-VISIR system for operational ferry CO2 savings** *G Mannarini, Euro-Mediterranean Center on Climate Change*	
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	**Increasing awareness and fuel efficiency by sharing operational insights with vessel crews -** *M Köpke, Hapag-Lloyd AG*	
16.05-16.40	**Energy Efficiency Improvement for Larger Passenger Ship through Hydrodynamic Testing -** *M Pedisic Buca, Croatian Shipbuilding Corporation*	
16.40-17.15	***The role of Graphene in decarbonization. The Stolt Tankers experience. -** J Gonzalez Celis, Stolt Tankers*	
17.15 -	**General Discussion & Closure**	