

MARINE M O N E Y Climate Week 2021 (Virtual) September 21-23, 2021

An Official Event of



Partner Day One



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MARINE M O N E Y

Marine Money - Climate Week* September 21-23, 2021

Decarbonizing Maritime: Forming Capital, Generating Returns

The \$2 trillion dollar shipping industry will play a vital role in decarbonization - but transitioning the industry will depend on collaboration and developing commercially viable solutions capable of attracting capital and generating returns.

Marine Money Climate Week highlights pioneering people, companies, products, and organizations working to meet the shipping industry's essential decarbonization goals.

**This event is being held in conjunction with Climate Week NYC*

Day One – Tuesday September 21, 2021

Partner



(all times shown are New York time)

9:00 Welcome & Opening Remarks

Jim Lawrence, Chairman, Marine Money

9:10 – 9:35

The Pathways to the Decarbonization of Shipping: Emerging Findings of the Industry Transition Strategy Report

- Capex Requirements for Marine Decarbonization
- The Role and Development of Regulations
- Zero Carbon Fuels and the Need for Collaboration
- Roadmap to Zero Carbon Emissions

Mads Peter Zacho, Head of Industry Transition, Mærsk Mc-Kinney Møller Center for Zero Carbon Shipping

Matt Stone, Partner, McKinsey & Company

9:40 – 10:10

Carbon Pricing and Shipping – Market Outlook and Strategies for Investment & Hedging

It's the elephant in the room; the impact of pricing carbon emissions on participants in the ocean shipping market. In this session, we unpack the most important questions that owners, charterers, lenders, investors, and BODs need to understand, including:

- Overview of the Compliance Markets
- Outlook for Carbon Pricing
- EU ETS and the dollars per day impact on different vessel types – is the cost material?
- Strategies for how shipowners can manage carbon exposure - from charter parties to loan agreements.
- Use of Proceeds: Into whose coffers will carbon tax revenue go?

Louis Redshaw, CEO & Founder, Redshaw Advisors Ltd

Hugo Wilson, Head of Carbon, Affinity Shipping

Moderator

Harold Malone, Principal, Sea/Switch Partners

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10:15 – 10:25

Understanding Actual Carbon Emissions

Mark Brennan, Chief Development Officer, SeaARCTOS

10:30 – 11:15

Strategies for Greening the Existing Commodity Shipping Fleet

Optimizing the efficiency of existing vessels is an immediate, significant, profitable, measurable, and repeatable component of marine decarbonization – and may even be the source of carbon offsets. In this session, some of the most proactive companies describe the steps they are taking today - as the longer-term analysis of future fuels plays out.

Anthony Gurnee, CEO, Ardmore Shipping Corporation

Engebret Dahm, CEO, Klaveness Combination Carriers

Stamatis Tsantanis, Chairman & CEO, Seenergy Maritime Holdings Corp.

Hew Crooks, Partner & CFO, Ridgebury Tankers

Andrew Craig, Managing Director - Corporate Finance, PROMAN

Moderator

Julian Proctor, CEO, Purus Marine

Funding The Energy Transition – From Maritime Infrastructure to Lower Emissions Vessels

11:20 – 11:35

The Impact of CII-Rating on Investors, Lenders and other Maritime Stakeholders Decision Making

Scope has calculated the CII-Rating for more than 40,000 ships and will present the overall distribution and distribution by ship type. Decarbonization performance will have an extensive impact on the maritime industry such as carbon reduction retrofit cost, port carbon fees, single voyage carbon fees, speed restrictions, etc.

Ralf Garrn, Managing Director & Head of Investor Outreach, Scope Group

11:40 – 12:25

Sources and Strategies for Accessing "Green" Financing

Capital allocation toward "Sustainable" equity and debt investments is growing faster than opportunities - creating robust demand for qualifying transactions. In this session, active market players discuss their strategy, appetite and criteria for global maritime infrastructure investment.

Joachim Nahem, Partner, The Governance Group

André Mutter, Vice President, Maritime Industries, KfW IPEX-Bank GmbH

Matthew Tinari, CEO, EverGreen Transport & Infrastructure

Alastair McDonald, Managing Director, Investments, Purus Marine

Moderator

Will Vogel, Partner, Watson Farley & Williams

Closing Remarks

Marine Money

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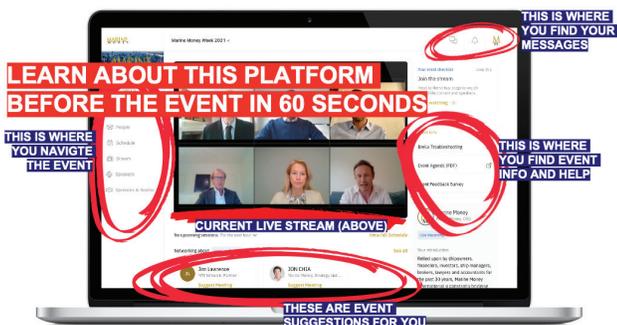
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CLIMATE GROUP

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Day Two – Wednesday September 22, 2021

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Capital, Generating Returns Decarbonizing Maritime: Software, Hardware & Services Available to Shipowners Today

A double-digit decline in emissions can be achieved today through a combination of vessel optimization, performance management and proven hardware – providing exciting and actionable opportunities for companies and investors. Here are some of the companies supporting the transition.

9:00 Welcome

Matt McCleery, President, Marine Money

9:10

The Landscape of Sustainability-Related Marine Technology Companies

Evangelos Efstathiou, CEO, SkySail Advisors

9:20 – 9:30

Raising & Investing Early-Stage Capital for Maritime Decarbonization Technology

- Venture Capital in shipping technology
- Assessing technology risk
- Strategies for Investors: Individual transactions or pooled portfolios
- Summary of recent M&A transactions – when organic growth isn't the most efficient
- Case Studies: A summary of executed transactions

Nikos Petrakakos, Partner, Argo Capital Advisors

9:35 – 10:10

How different types of capital approach investing in maritime decarbonization

Technology will play a vital role in marine decarbonization - and success will be enjoyed by those who develop successful solutions. In this session, we discuss how investors manage risk by identifying which hardware and software solutions will be successful in today's early stage, fast moving and highly technical transition to decarbonization.

Nikolas Pyrgiotis, Vice President of Technology Ventures, The Signal Group

David Clamage, Consultant, Generate Capital

Kevin Humphreys, President, Americas Marine & Offshore, Lloyd's Register

Jim Sledzik, Managing Director, North America, Saudi Aramco Energy Ventures

Moderator

Nikos Petrakakos, Partner, Argo Capital Advisors

10:15 – 12:40

Company Spotlights

In this session, we get to know the fast-developing landscape of products and services that highlights some of the best thinking and solutions available in the market today.



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Emissions Visibility & Reporting

10:15 -10:30

CargoMetrics – Global Carbon Emissions & Bunker Consumption Indices

Leveraging more than a decade of maritime trade data analysis, CargoMetrics will introduce a product (and plans) for making carbon emissions and bunker consumption indices available to the maritime shipping and logistics, and financial markets.

Jes Scully, President & CEO, CargoMetrics

Luca Bonfiglio, Maritime Data Scientist, CargoMetrics

10:30 – 10:45

OrbitMI Emissions DaaS Solutions

OrbitMI will offer three new solutions to help ship owners, brokers and cargo owners predict, estimate, track, and analyze CO2 emissions before, during and after each voyage.

Ali Riaz, CEO, OrbitMI

Decarbonization Through Optimization

10:50 – 11:05

NAPA – Ship Performance Management & Voyage Optimization

NAPA Fleet Intelligence brings voyage monitoring, reporting, analysis and optimization into an easy-to-use, powerful web-based platform. For safe, eco- efficient, and intelligent maritime operations.

Pekka Pakkanen, Executive Vice President, Shipping Solutions, NAPA

11:05 – 11:20

Wärtsilä – Fleet Operations Solution (FOS)

Wärtsilä Fleet Operations Solution saves costs and increases safety and ensures environmental compliance by automatically optimizing route, providing the fullest and latest voyage data, while keeping the onboard and onshore parties informed and notified through vessel performance analytics.

Paul Welling, Sales Director, Wärtsilä Voyage Solutions

Wind Assist & Propulsion

11:25 – 11:40

Econowind – Wind-Assisted Propulsion Solution Reduces Emissions Now

The roll out of new low carbon fuel systems will take time and resources. Wind gives us the unique opportunity to deliver up to a third of the fleet's propulsion energy requirements without the need for new infrastructure, right now. With an over 10% emission reduction and EEXI approved, it is time to get back to using Wind, the clean, free and renewable energy source.

Maarten van de Klip, Strategic Advisor Shipping, Econowind

11:40 – 11:55

e1 Marine – Getting Hydrogen to Work

For many marine applications hydrogen-powered PEM fuel cells are the logical choice to achieve “low-to-no” carbon emissions in keeping with IMO 2030/50 and other regulations. E1 Marine's methanol-to-hydrogen generator technology delivers hydrogen onboard safely and efficiently. The e1 Marine hydrogen generator solution makes the hydrogen generator / fuel cell combination a near-term reality and an attractive choice even as compared to diesel generators today.

Stuart Crawford, Managing Director, e1 Marine

Retrofit, Recycle, Order? Strategic Analysis for Individual Vessels - and Fleets

12:00 – 12:15

Marsoft GreenScreen™ – Access to Carbon Credits to Support Emissions Reduction Now

Marsoft's GreenScreen offers fast and low-cost access to the carbon credits market for retrofits – delivering robust financial returns and verification of an owner's strategic commitment to reduced CO2 emissions.

Dr. Arlie Sterling, President, Marsoft

Hauke Kite-Powell, Senior Analyst, Marsoft

12:15 – 12:30

Maersk Broker and McKinsey & Company - Fleet Decarbonization Optimizer

The Fleet Decarbonization Optimizer provides a tailor-made roadmap for cost-effective decarbonization of entire fleets. The collaboration aims to guide the industry to take future investment decisions on a well-informed basis backed by data to avoid stranded assets and unnecessary capital expenditures.

Jesper Bo Hansen, Managing Director, Maersk Broker Advisory Services

Arjen Kersing, Senior Maritime Expert, McKinsey & Company

Closing Remarks

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Day Three – Thursday September 23, 2021

Partners



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Building Momentum: Public Companies and Coalitions Driving Decarbonization

9:00 Opening Remarks

Jim Lawrence, Chairman, Marine Money

9:05 – 9:40

Coalitions and Associations Taking Action to Accelerate the Transition

Industry coalitions are essential to harnessing and leveraging the industry's intellectual and financial resources. In this session, learn what they have accomplished so far - and what they seek to achieve in 2022.

Johannah Christensen, CEO, Global Maritime Forum

David Cummins, President, Blue Sky Maritime Coalition

Guy Platten, Secretary General, International Chamber of Shipping (ICS)

Moderator

Dr. Arlie Sterling, President, Marsoft

9:45 – 10:00

Shipping's Newest U.S. Listing: ETFMG Breakwave Sea Decarbonization Tech ETF (NYSE: BSEA)

Leading ETF-issuer **ETF Managers Group (ETFMG)** and Breakwave Advisors discuss how "BSEA" will provide investors with exposure to companies in the Marine Money Decarbonization Index (MMDI). The MMDI is comprised of equity securities in businesses around the world that develop technologies, manufacture equipment, or provide services related to marine or ocean decarbonization - including alternative fuels, batteries, fuel cells, carbon capture technologies and offshore wind development.

John Kartsonas, Managing Partner, Breakwave Advisors, MMDI Index Committee Member

Alex Gordon, Director of ETF Sales, ETFMG

Harold Malone, Principal of Sea/Switch Partners, MMDI Index Committee Member

Meet Some of the Companies in the MMDI

In this session, some of the dynamic and pioneering companies in the MMDI discuss their technology and their commitment to supporting marine decarbonization. You can learn more about the MMDI here:

<https://www.marinemoney.com/mmdi>

10:00 – 10:40

CADELER and Yara International

Cadeler A/S (CADLR: Oslo) is a leading supplier of installation services as well as marine and engineering operations in the offshore wind industry.

Mikkel Gleerup, CEO, Cadeler A/S

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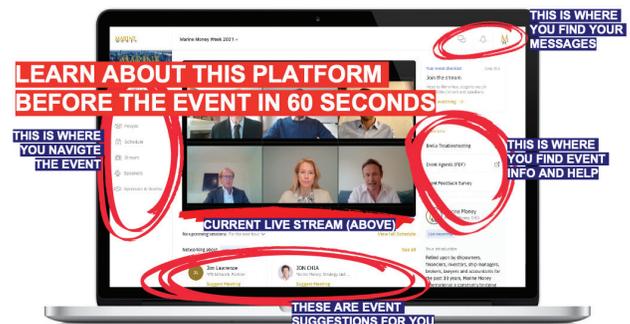
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Yara International ASA (YAR: OSLO) grows knowledge to responsibly feed the world and protect the planet. Supporting our vision of a world without hunger and a planet respected, Yara pursue a strategy of sustainable value growth, promoting climate-friendly crop nutrition and zero-emission energy solutions. Through our focus on clean ammonia production, we aim to enable the hydrogen economy, driving a green transition of shipping, fertilizer production and other energy intensive industries.

Magnus Ankarstrand, President, Yara Green Ammonia

10:45 – 11:25

Bloom Energy and Wärtsilä

Bloom Energy (NYSE: BE) Bloom Energy created the first large-scale, commercially viable solid oxide fuel-cell based power generation platform that provides clean and resilient power to businesses, essential services, and critical infrastructure. The fuel-flexible Bloom Energy Servers can use biogas and hydrogen, in addition to natural gas, to create electricity at significantly higher efficiencies than traditional, combustion-based resources. In addition, this fuel cell technology can be used to create hydrogen, which is increasingly recognized as a critically important tool necessary for the full decarbonization of the energy economy.

Greg Cameron, EVP and Chief Financial Officer, Bloom Energy

Wärtsilä (WRT1V: HELSINKI) is a global leader in smart technologies and complete lifecycle solutions for the marine and energy markets. By emphasising sustainable innovation, total efficiency and data analytics, Wärtsilä maximises the environmental and economic performance of the vessels and power plants of its customers. In 2020, Wärtsilä's net sales totalled EUR 4.6 billion with approximately 18,000 employees. The company has operations in over 200 locations in more than 70 countries around the world. Wärtsilä is listed on Nasdaq Helsinki.

John Hatley, GM, Market Innovation, Wärtsilä North America

11:30 – 11:50

FREYR Battery

FREYR (NYSE: FRYR) is an emerging producer of clean battery solutions for a better planet. Fuelled by low-cost hydro and wind energy, FREYR designs and manufactures high-density and cost-competitive lithium-ion batteries with a reduced carbon footprint for the rapidly growing global markets for electric mobility, stationary energy storage, marine and aviation applications.

Tom Jensen, CEO, FREYR Battery

11:50 – 12:10

CO2 Capsol

CO2 Capsol (NOTC: CAPSOL) main patented Capsol EoP (End of Pipe) solution is a cost-effective, scalable, and flexible retrofit unit used to capture carbon dioxide from power plants and industrial facilities. The CCS (Carbon Capture and Storage) value chain is essential in limiting the increase in global average temperature, recognizing that this would substantially reduce the risks and impact of climate change. CO2 Capsol's mission is to be a major contributor to solving one of our biggest global challenges; climate change, with our patented carbon capture technology.

Ingar Bergh, CFO, CO2 Capsol

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