

Registration

08:00 - 09:00

Welcome from Informa team

09:00 - 09:15

Chair's opening remarks

09:15 - 09:20

European strategies and tools towards decarbonization of the maritime industry

09:20 - 09:30

THE REGULATORY ROUTE TO ZERO-CARBON SHIPPING

Adapting to IMO GHG strategy: A new level of ambition to meet 2050

09:30 - 09:40

THE REGULATORY ROUTE TO ZERO-CARBON SHIPPING

Insight conversation: Answering THE important questions where regulators and industry meet

09:40 - 10:20

THE REGULATORY ROUTE TO ZERO-CARBON SHIPPING

- Is the 2050 target ambitious enough to deal with our climate emergency?
- How compatible is the EU-ETS with IMO's GHG emission reduction targets?
- Operational challenges to cut air emissions: What do carriers say?
- Examining other market-based measures: What is urgently needed?
- How should regulators respond to those companies which fall behind the IMO's targets?
- Will there be incentives for first movers?
- What are the effects of the MRV scheme on tanker operations?

Participants

Michael Prehn - Ph.D. fellow, Copenhagen Business School

René Taudal Poulsen - Associate professor PhD, Academic program director- BSc in International Shipping and Trade, Copenhagen Business School

MORNING BREAK

10:20 - 11:05

Finance talks: how can decarbonisation be financed?

11:05 - 11:55

SHIP FINANCE

- Financial and economic incentives for green shipping: how do they work, are they effective?
- Beyond regulation: Green finance and efficiency
- Are you getting a discount or better conditions if you go green? If there is payback?
- An interconnection of finance and regulations: overcoming gaps
- Energy Saving Technologies: Mitigating the barriers to wholesale EST adoption and the potential to attract new finance to the sector
- Opportunities and access to green financing: Carbon Credit as a finance tool
- Poseidon Principles: The role of banks in leading shipping's green transformation
- Sustainability linked bonds: An opportunity for ESG investing
- Blended finance principles

Participants

Moderator: Olaf Danckwerts - Partner, HHX.blue

Tim Hardy - Head of Naval Engineering - Business Unit Lead & VTAS Business Unit Lead, BMT

Alexander Hochreutener - Partner, BRS Brokers

Sean McLaughlin - Strategy Consultant, Houlder

Odfjell's sustainability-linked financing: Adopting to the rising attention to ESG

11:55 - 12:15

SHIP FINANCE

Participants

Øistein Jensen - Chief Sustainability Officer, Odfjell SE

Ship-design corner: Evaluation on vessels under different operational conditions

12:15 - 13:00

SHIP DESIGN: DIFFERENT SOLUTIONS FOR DIFFERENT SHIPS

- How to deal with existing ships? Retrofitting is one of the options, what other short-term solutions do we have?
- What the design issues are?
- Integration aspect?
- Design for operation of hybrid technology
- What are technical solutions available to meet operational and cost-effective challenges from a ship designer's perspective?

Participants

Kjeld Aabo - Director New Technologies, MAN Energy Solutions

LUNCH AND NETWORKING

13:00 - 14:15

What does sustainability mean for tanker shipping?

14:15 - 14:35

SUSTAINABILITY AND SCALABILITY

- Ardmore's multi-pronged approach to shipping's energy transition
- Improving performance, profitability, and financial resilience
- Investment in energy technologies

Participants

Mark Cameron - COO, Ardmore Shipping

Biofuels and immediate decarbonisation action

14:35 - 14:55

SUSTAINABILITY AND SCALABILITY

Participants

Dirk Kronemeijer - CEO & Co-Founder, GoodFuels

Scaling up offshore renewable power generation to tackle climate goals

14:55 - 15:15

SUSTAINABILITY AND SCALABILITY

Nuclear option for global shipping: Switching to nuclear powered ships

15:15 - 15:35

SUSTAINABILITY AND SCALABILITY

AFTERNOON BREAK

15:35 - 16:15

Back to roots: Using wind propulsion to reduce CO2 emissions from ships

16:15 - 16:30

WIND THINKING

Slot reserved for shipowner's presentation

Participants

Moderator: Gavin Allwright - Secretary, International Windship Association (IWSA)

SESSIONS

GST EUROPE 2021: DAY ONE

Green Ship Technology Europe

2-3 November 2021
Copenhagen, Denmark

The WASP project: Development and adoption of products, services and processes to accelerate the greening of the North Sea Region

16:30 - 17:15
WIND THINKING

Participants

Moderator: Gavin Allwright - Secretary, International Windship Association (IWSA)

Olaf Danckwerts - Partner, HHX.blue

Chair's closing remarks

17:15 - 17:20

SCHEDULE

GST EUROPE 2021: DAY ONE -

Green Ship Technology Europe

2-3 November 2021
Copenhagen, Denmark

TIME	SHIP DESIGN: DIFFERENT SOLUTIONS FOR DIFFERENT SHIPS	SHIP FINANCE	SUSTAINABILITY AND SCALABILITY	THE REGULATORY ROUTE TO ZERO-CARBON SHIPPING	WIND THINKING
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12:00	12:15 - Ship-design corner: Evaluation on vessels under different operational conditions				
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15:00	15:35 - AFTERNOON BREAK	15:35 - AFTERNOON BREAK	<p>15:15 - Nuclear option for global shipping: Switching to nuclear powered ships</p> <p>15:35 - AFTERNOON BREAK</p>	15:35 - AFTERNOON BREAK	15:35 - AFTERNOON BREAK
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17:00	17:15 - Chair's closing remarks	17:15 - Chair's closing remarks	17:15 - Chair's closing remarks	17:15 - Chair's closing remarks	17:15 - Chair's closing remarks

Commissioning testing of BWM management systems and validation of ballast water monitoring devices

08:45 - 09:35

BALLAST WATER AND BIOFOULING BREAKFAST BRIEFING

Participants

Moderator: Amie Pascow - Director, BLUE Communications

Panellist: Dr. Claudia Dreszer - Chief Scientific Officer, Ankrone Water Services GmbH

Biofouling: Topic title TBC

09:35 - 10:00

BALLAST WATER AND BIOFOULING BREAKFAST BRIEFING

Chair's opening remarks

10:00 - 10:05

Conversion of TEU Container vessel MV Brussels Express (ex Sajir) to LNG propulsion

10:05 - 10:15

STATE OF PLAY: ALTERNATIVE FUELS AND CARBON PRICE

Participants

Captain Wolfram Guntermann - Director Regulatory Affairs, Hapag-Lloyd AG

Methanol powered tankers: First mover's advantage

10:15 - 10:25

STATE OF PLAY: ALTERNATIVE FUELS AND CARBON PRICE

Participants

Erik Hånell - President and CEO, Stena Bulk

Maersk's pathway to zero-carbon shipping

10:25 - 10:35

STATE OF PLAY: ALTERNATIVE FUELS AND CARBON PRICE

Participants

Jacob A. Sterling - Senior Director, Head of Decarbonisation Innovation & Business Development, A. P. Moller – Maersk A/S

Hydrogen – the fuel that could transform shipping?

10:35 - 10:45

STATE OF PLAY: ALTERNATIVE FUELS AND CARBON PRICE

Q&A with speakers

10:45 - 11:00

STATE OF PLAY: ALTERNATIVE FUELS AND CARBON PRICE

Participants

Moderator: Alisdair Pettigrew - Managing Director, BLUE Communications

Focus panel: How could carbon pricing schemes support IMO's 2050 GHG ambition

11:00 - 11:40

STATE OF PLAY: ALTERNATIVE FUELS AND CARBON PRICE

- Taxonomy, carbon pricing schemes, and fuel levy on the spot to hasten decarbonisation
- Fuel levy. How will the price be determinate?
- How should the proceeds from a carbon levy be deployed in the shipping sector?
- Accelerating progress towards the decarbonisation of the shipping industry via the introduction of a levy on carbon-intensive marine fuels
- MBM and EU-ETS

Participants

Moderator: Alisdair Pettigrew - Managing Director, BLUE Communications

MORNING BREAK

11:40 - 12:25

Via Kaizen: AI-powered ship operation support system for realizing the most energy-efficient voyages

12:25 - 12:45

Plugging in to a battery-powered future

12:45 - 13:35

BATTERY POWERED SHIPS TO TACKLE EMISSION

- Integration of battery systems into the ship's operational and energy management systems
- Short-haul and long-haul electric ships

Case Port of Amsterdam: Use of NaBH4

13:35 - 13:55

GREEN PORTS AND SUSTAINABLE SUPPLY CHAIN

This case study will showcase the buildout of a pilot ship that is being developed in close cooperation with the Port of Amsterdam and University of Delft and is a part of the European Interreg program H2Ships. This ship will use NaBH4 as a hydrogen carrier and will have an electric engine and a fuel cell. Together with University of Delft and H2Fuels (technology owner for use of NaBH4 as a H2 fuel) Port of Amsterdam is working on the development of a pilot plant for the regeneration of NaBO2 into NaBH4. When the NaBH4 is used on board of the ship NaBO2 is formed. By this circular process the NaBO2 can process into NaBH4 thereby having a fully circular fuel for shipping.

Participants

Jan Egbertsen - Manager Innovatie, Port of Amsterdam

LUNCH AND NETWORKING

13:55 - 15:10

Forward thinking shipping: working together toward sustainable future

15:10 - 15:40

A HOLISTIC APPROACH TO 2050

In this section, we look at the broader stakeholders, partnerships and working groups: Accelerating decarbonisation TOGETHER

- What are the three next big things we foresee by 2030?
- According to regulatory compliance, what will the ship of the future look like?
- Identifying potential areas to the partnership as a core driver to meet end-user needs
- What combination of solutions will it take to meet customer's requirements?

SESSIONS

GST EUROPE 2021: DAY TWO

Green Ship Technology Europe

2-3 November 2021
Copenhagen, Denmark

Power-Hour discussion group: Navigating decarbonisation and setting the roadmap for managing shipping's 'fair share' of global emissions reduction

15:40 - 16:40

WORKING GROUP: Global supply chain infrastructure

- Practical experience with the application of green technology
- Fuels: Design and operation of methanol-fuelled vessels? Is ammonia safe enough? What's driving the hydrogen rush; is it hype or could it be the most sustainable solution? Biofuels and the conundrum of sustainability? In which fuel to invest, and why?
- Are all these technologies going to be available in the next decade?
- How do we speed up transition?
- What can wind propulsion deliver? Could wind enhance commercial resilience in the face of huge future fuel uncertainties?
- Overview of potential avenues, what are the pathways for a ship being built now?
- What have we learned from LNG? Is LNG set to be in use by 2050? Planned infrastructure vs realistic outlay
- The shift of the market: What can we do today to maximize tomorrow?

Participants

Panellist: Andrew Stephens - Executive Director, Sustainable Shipping Initiative

Steve Esau - General Manager, SEA-LNG

Chair's closing remarks

16:40 - 16:45

AFTERNOON REFRESHMENTS AND END OF GST 2021

16:45 - 17:45

SCHEDULE

GST EUROPE 2021: DAY TWO -

Green Ship Technology Europe

2-3 November 2021
Copenhagen, Denmark

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