

The No 1
industry meeting
for green shipping

6th Annual Green Ship Technology

*Environmentally sustainable
solutions for greener shipping*

Tuesday 24th & Wednesday 25th March 2009

Le Royal Meridien Hotel, Hamburg, Germany

Event Highlights:

- Unique opportunity to discuss technology aspects for 'green' shipping
- Combination of regulatory and technical solutions from industry and government speakers
- Concurrent streams for technical and commercial sessions
- Shipowner case studies of current and future projects

Featuring:

- Two days of knowledge sharing
- Interactive workshops
- Extensive networking
- Conference Gala Dinner

And: The 2nd GREEN SHIP TECHNOLOGY AWARD

PRE-CONFERENCE WORKSHOP

**A guide to good
environmental management
practice in shipping**

Monday 23rd March 2009

POST-CONFERENCE WORKSHOP

**Improving energy and
environmental efficiency
of ship operations**

Thursday 26th March 2009

To register call Yuliya
+44 (0)20 7017 7469

Email: yuliya.lapkovich@informa.com

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Supporting Organisations:



European Marine Equipment Council



Official Publications:

Lloyd's List



Supporting Publications:

**THE NAVAL
ARCHITECT**

portstrategy

6th Annual Green Ship Technology

Tuesday 24th & Wednesday 25th March 2009

Le Royal Meridien Hotel, Hamburg, Germany

WHY YOU SHOULD ATTEND

Lloyd's List events' 6th annual Green Ship Technology conference, taking place in Hamburg in 2009, is a must-attend event for the shipping industry. Participants can exchange ideas and experiences and keep up-to-date on technical and legislative developments in plenary sessions, break-out sessions and in the informal networking breaks.



There is increasing intolerance for any kind of ship-source pollution. International regulations are becoming more and more stringent, in particular for all types of ships' emissions. Partnered with the high and rising cost of

fuel, shipping companies and related industries are continuing to develop new, greener, technologies to deal with the issues of air emissions, fuel management, waste management, ballast water management, oily water/sludge waste removal and ship recycling. The drive for competitiveness, accompanied by concern for the environment, will continue to push forward technological innovation and research in the maritime industry.

In today's world, environmental and economic objectives go hand-in-hand: this conference is your opportunity to hear about these new technologies and discuss the potential for sustainable ship operations, from design and build through to recycling. Discuss new ideas with your industry peers on the latest research and find out where technology is going and what has been achieved so far.



"An excellent forum for keeping up to date with environmental development in the shipping sector and networking"

(M Laurin, Laurin Maritime)

NETWORKING SOLUTION:

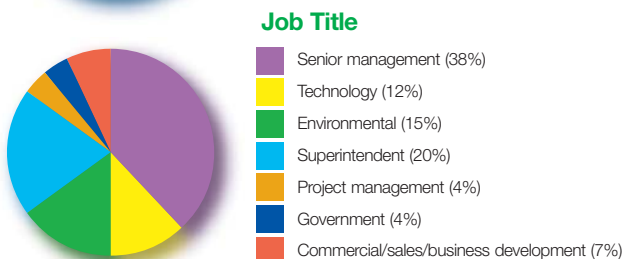
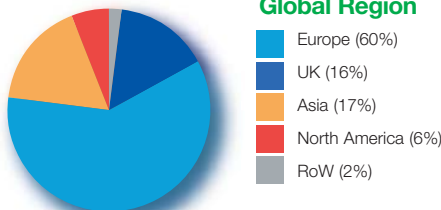
Maximise the value of this conference!

Our bespoke, secure online networking service enables you to contact other pre-registered attendees before, during and post event. For further information on how this service works visit: www.lloydslistevents.com/networking

PAST ATTENDEES INCLUDE:

ABB Marine
Acergy
ACL
Aida Cruises
Aker Yards
Alfa Laval
Algoma Central Marine
American President Lines Ltd
Anglo Eastern Ship Management
Antwerp Maritime Academy
AP Moller-Maersk
APL Co Pte Ltd
Argillon GmbH
Ashland Chem-Drew Marine
Ashland Speciality Chemical Co
ASP Ship Management Group
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Barber International AS
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Belship Management Ltd
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Biotol Ltd
Boilifier Nordic
BP Shipping Ltd
Bureau Veritas
BV Rederij G Doeksen
BVT Surface Fleet Ltd
BW Gas AS
Calmac Ferries Ltd
Cargill International SA
Carnival Corporation
Caterpillar Motoren GmbH & Co
Cathelco (Sea) Pte Ltd
Cavotec BV
Chevron Shipping Co
China Navigation Co Ltd
Climate Shipping & Trading Ltd
Consilium
Consultores De Navegacion SA
CSL International
Cummins Sales & Service Singapore Pte
Dag Engstorm Rederi AB
Dampskibsselskabet Norden AS
Danish Maritime Authority
Deerberg-Systems
Defense Material Organisation
Delphis NV
Deltamarin Ltd
Det Norske Veritas AS
DS Norden AS
E R Schifffahrt GmbH & Cie Kg
Eleton Corp
Engineering Center Transzvik
Epic Maritime Personnel Inc
Euronav Ship Management SAS
Evac Oy
Exmar Marine NV
Force Technology
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Frazer Nash Consultancy Ltd
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Germanischer Lloyd AG
Grand Union Inc
Green Award Foundation
Hamann Wassertechnik GmbH
Hamburg University Of Technology
Hamworthy Wastewater Systems Ltd
Hanzevast Shipping BV
Heerema Marine Contractors BV
Hevron Oronite Technology Netherlands BV
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Infineum UK Ltd
Inter Alliance Logistics Ghana
International Maritime Employers' Committee
J Lauritzen AS
Jetro Singapore
Jotun Cosco Marine Coatings Hk Ltd
K/S Essi Anne
Kahn Scheepvaart BV
Kalmar Maritime Academy
King Fahd Port
Knutsen Oas Shipping AS
Korfil
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Kvaerner Power
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Modern Terminals Ltd
MOL Singapore Pte Ltd
Nederlands Loodswezew BV
NEI Treatment Systems
Naptune Ship Management Services Ltd
Nowship Jsc
Oceansaver AS
Odfjell AS
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Stora Enso Logistics AB
Stout Tankers
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Swire Shipping Ltd
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Tidewater Inc
Total Maritime Services Pte Ltd
Transatlantic AB
UECC
United European Car Carriers
Universal Shipbuilding Europe Ltd
Vela International Marine Ltd
VIA Donau
Vickers Oils
VTT
Wagenborg Shipping
Wallenius Marine AB
Wartsila Nsd Switzerland Ltd
Wilth Wilhemsen ASA
Wilhelmsen Marine Consultants
Wiship Wilhemsen ASA
Worldwide Marine Holding BV

PAST DELEGATES:



To Register Call Yuliya: +44 (0)20 7017 7469

The 2nd Green Ship Technology Award 2009

- This award will acknowledge the most innovative technology put into use since March 2008 which has shown a benefit to the marine environment.
- The nominations will be judged by a panel of shipowners and is open to maritime technology manufacturers to submit entries for consideration or to be nominated by shipowners or operators.
- The aim of this Award is to recognise and acknowledge the continued improvement in the effort to maintain the marine environment and mitigate the effects of shipping on the environment.
- All entries/nominations should be submitted by January 31st 2009 by email to vanessa.darnborough@informa.com. The judging panel will judge entries in February 2009 and the winner will be announced and the Award presented at the Green Ship Technology conference in Hamburg.

For further information contact Vanessa Darnborough on +44 (0)20 7017 4418, email: vanessa.darnborough@informa.com



Winner of 1st Green Ship Technology Award

"The choice of PureBallast for the first-ever Green Ship Technology Award is welcome recognition of Alfa Laval's long work with ballast water treatment," Dahl says. "The award shows that PureBallast is not just a response to IMO regulations, but rather an optimized technology with a real and positive impact on the marine environment."

(Niclas Dahl, Market Unit Manager, Marine & Diesel, Alfa Laval)

Sponsors to date:



ABS is a leading international classification society committed to the highest standards of safety, integrity and service in the marine industry. The mission of ABS is to serve the public interest as well as the needs of our clients by promoting the security of life, property and the natural environment primarily through the development of standards for the design, construction and operational maintenance of marine related facilities.

Within ABS the recognition of the need to protect our natural environment is integral to the rules and technology development process and in the provision of classification services to the marine industry.

The extensive global network of skilled ABS surveyors and engineers are able to provide support to clients from the initial design concept, through the design approval process, during construction and throughout the service life of the vessel.

ABS works closely with client shipowners to assist them in the implementation of appropriate health, safety, quality, security and environmental management systems. Three operating divisions, Americas, Pacific and Europe with an international network of local offices support client operations.

www.eagle.org



The interest in reducing the fuel consumption for all kinds of vessels is high. Classification society Germanischer Lloyd (GL) has responded to this demand and provides the new consultancy service *GL FuelSaver*. This innovative service offers a systematic analysis of

the operational savings for vessels. It helps shipowners to identify technical and operational measures to reduce fuel costs.

GL conducts the safety surveys on board of over 6,700 ships with more than 76 Mio GT. 130 flag states have authorized GL to perform statutory duties. The society has established a global network of 208 offices in 77 countries. 5,000 employees create value for the customers worldwide.

Germanischer Lloyd Industrial Services offers services in four business areas: Oil & Gas, Wind Energy, System Certification and Materials and Failure Analysis.



Lloyd's Register works around the world to assess and certify ships, systems and facilities to improve quality and increase safety. We work with shipowners, operators and builders to provide innovative, value-added solutions that help improve performance in ship design, construction and operation.

LIFE MATTERS

We respond to change and lead developments that make lives safer and help preserve the environment.

Our environmental services include: Green Passport approval and verification services for newbuilds and existing ships to help owners comply with the IMO Guidelines on Ship Recycling; support in understanding new ballast water technologies; and fuel and environmental analysis services.

For Lloyd's Register, life matters.



Lloyd's Maritime Academy aims to be the trusted brand for professional development, working with leading academic and industry bodies to provide accredited education and training where it is much needed; delivering learning and development opportunities to several thousand international participants every year. We continue to research new topics

to provide you with the qualifications required for a successful career; supporting a safer, cleaner and more efficient shipping industry.

Using several delivery methods to match your needs - seminars, advanced level training masterclasses and distance learning certificate, diploma and postgraduate diploma courses as well as in-house corporate training programmes - we are confident we have a learning solution for you. Why not let us help you to achieve your potential? Visit www.lloydsmaritimeacademy.com

Supporting Organisations:



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Book by email: yuliya.lapkovich@informa.com

6th Annual Green Ship Technology

WHO SHOULD ATTEND:

- Shipowners/operators
- Ship managers
- Naval architects
- Marine engineers
- Classification societies
- Marine equipment manufacturers
- Environmentalists
- Ship yard managers
- Ports & harbour authorities
- Maritime administrators

PRE-CONFERENCE WORKSHOP

A guide to good environmental management practice in shipping

Monday 23rd March 2009

Le Royal Meridien Hotel, Hamburg

Topics:

- Overview of why good environmental management systems are essential in today's shipping industry
- Organisation of EMS including ISO 14000 within the company
- How to train onboard and onshore staff in good environmental management practice
- Understanding environmental compliance programmes: what are they, how do they work, how can they help your business?
- Case Study Workshop - delegates work in small groups to put together an ideal but realistic environmental management programme.

Timetable:

09:30 Registration and coffee
10:00 Workshop begins
12:30 Lunch
13:30 Workshop resumes
15:30 Workshop ends

FUTURE EVENTS

Ship Recycling

17-19 February 2009, London

5th Annual Arctic Shipping Conference

27-30 April 2009, Helsinki

For further information please contact Yuliya Lapkovich
+44(0)207 017 7469 or yuliya.lapkovich@informa.com

DAY ONE: Tuesday 24th March 2009

Chairman: **Andreas Chrysostomou**, Coordinator of Multilateral Affairs, Dept of Merchant Shipping, Cyprus and Chairman, MEPC, IMO

09:00 Registration and coffee  kindly sponsored by 

09:30 **Chairman's welcome**

OPENING ADDRESS

09:35 **What are the current drivers in the effort to combat climate change?**

- Understanding the impact of international initiatives
- UNFCCC post-Kyoto - Copenhagen proposals
- Climate change data

Please visit www.greenshiptechnology.com

09:55 **Review of MARPOL Annex VI: update and implications for shipping**

- Report from MEPC 58 and other meetings
- What is the latest state of regulations?
- What are the wider implications for shipping, engine manufacturers and refining industries?

David Tongue, Marine Manager, International Chamber of Shipping

10:20 **Controlling greenhouse gas emissions**

- MEPC 58 outcome
- The scale of required CO₂ reduction
- CO₂ indexing - design index, operational index
- Emission Trading Scheme or carbon levy?

Dr Gillian Reynolds, Principal Environment and Sustainability Adviser, Lloyd's Register

10:50 Coffee and networking break  kindly sponsored by 

11:15 **Carbon emissions trading and international shipping**

- The basics of emissions trading
- Overview of existing schemes
- How emissions trading might be applied to shipping

John Aitken, Secretary General, SEAA

11:35 **The applicability of market based instruments to international shipping**

- The legislative developments
- Different mechanisms available
- Industry favoured approaches
- Advantages/disadvantages
- Likely developments

Robert Ashdown, Head of Technical Division, Chamber of Shipping, UK

11:55 **Examining the logistics chain to maintain environmental balance**

- How is the whole logistics chain impacted by green initiatives at the ship's end?
- Shippers' demands for an environmentally sound logistics chain

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DEBATE

12:20 **Is it possible to reduce CO₂ in measurable way to operate efficiently?**

- Can an ETS and carbon levy work?
- Who pays?

Panelists include:

Dr Reinhard Lükken, Secretary-General, Community of European Shipyards' Associations

Mark Major, Transport and Climate Change Policy Officer, DG Environment, EU Commission

Dr Pierre C Sames, Director Strategic Research and Development, Innovation Manager, Germanischer Lloyd AG

Tiedo Vellinga, Director Environment, Safety and Spatial Planning Maasvlakte 2, Rotterdam Port Authority, & Associate Professor Ports and Environment, Civil Engineering and Geo-sciences, Delft University of Technology

Bryan Wood-Thomas, Vice-President, World Shipping Council

13:10 Lunch 

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STREAM ONE

Delegates may chose one stream to attend.
Please indicate your choice on the booking form.

Operational efficiency and alternative technology



Chairman: **Andreas Chrysostomou**
Coordinator of Multilateral Affairs, *Dept of Merchant Shipping, Cyprus and Chairman, MEPC, IMO*

- 14:30 **Energy and environmental efficiency of ship operations**
- Monitoring and evaluating ship performance
 - Identifying available solutions
 - Prioritising solutions and determining relevant time span
 - Roadmap to ship improvements

Sebastian Sala, Project Engineer, *Deltamarin*
Mikko Eskola, Managing Director, *Fairgreen*

CASE STUDY

- 15:00 **Sustainable solutions for environmental excellence in shipping**
- Change drivers: regulations, energy cost and customer demand
 - Technological solutions now and ahead

Dr Bo Cerup-Simonsen, Vice President of Engineering and Projects, *A.P. Moller Maersk A/S*

- 15:25 **The HERCULES Beta project: technological solutions to ships' emissions**
- Project set-up of HERCULES Beta
 - Emission reduction targets
 - Scope of work packages and tasks
 - Current project status

Klaus M Heim, Vice President, Global Research & Development, *Wartsila Corporation*
Niels Kjemtrup, Senior Manager, Process Development, *MAN Diesel*

- 15:45 Tea and networking break kindly sponsored by

- 16:00 **Alternative solutions: the SkySails project and results to date**

Dr Brigitte Behrends, Head of Research & Innovation, *Beluga Shipping GmbH and Managing Director, Maritime Research Centre*

CASE STUDY

- 16:25 **Using solar power to manage environmental efficiency**
- Use of solar panels

Please visit www.greenshiptechnology.com

- 16:50 **Climatic and economic crisis, redressing the balance**
- Why Greenwave is a charity
 - The business case for the planet and industry
 - Performance evaluation of the Greenwave technologies: climatic and economic

Nick Dearden, Project Director, *Greenwave*

- 17:10 **Fuel cell potential for ocean-going ships**
- Update on a number of on-going projects investigating use of fuel cells, including the FellowSHIP project

Christian Machens, Marine Hydrogen & Fuel Cell Association

- 17:30 **Using methanol based solid oxide fuel cell units: the Methapu project**
- Changes in the project
 - Methanol as a marine fuel
 - Advantages of on-board fuel cells

Carl-Erik Sandström, Application Engineer, *Wärtsilä Finland Oy*
Lena Ekblom, Environmental Specialist, *Wallenius Marine*

- 17:55 **Developments in LNG powered commercial vessels**

Per Magne Einang, Research Director, *Marintek*

- 18:20 Discussion

- 18:30 Close of day one

STREAM TWO

Delegates may chose one stream to attend.
Please indicate your choice on the booking form.

Corporate social responsibility and environmental management



Chair: **Hanna Lee Behrens**
Principal Consultant, *Maritime Solutions, DNV*

- 14:30 **An introduction to corporate social responsibility and good practice**
- Why CSR? What are the benefits to the company?
 - What are the costs?
 - Assessing the 'carbon footprint'
 - How does it fit with environmental management systems?
 - Putting CSR into practice and maintaining the effort

Thomas Gosselin Andresen, *DNV Climate Change IBU*

- 15:00 **How should ship operators respond to customers' demands for more environmentally friendly operation and environmental data?**

- Annual sustainability reports
- Change of attitude
- Awareness training onboard and ashore

Ole Chr. Schroder, Director, Environmental Compliance, *Dampskibsselskabet TORM*

CASE STUDY 1

- 15:30 **Implementation of CSR in a shipping company**
- Putting CSR plans into action
 - Problem solving
 - Progress so far

- 16:10 Tea and networking break
Kindly sponsored by

CASE STUDY 2

- 16:30 **Implementation of CSR in a shipping company**
- Putting CSR plans into action
 - Problem solving
 - Progress so far

- 17:10 **An effective guide to implementation procedures**

Gregory F. Linsin, Partner, *Blank & Rome LLP (invited)*

- 17:35 Discussion Groups
Delegates will split into small groups to discuss practical ways of implementing CSR and EMS

- 18:30 Close of day one



19:30

Conference Gala Dinner and Award Ceremony

Join your fellow attendees onboard the historic Museumsschiff *Rickmer Rickmers* for the Conference Gala Dinner and Award Ceremony.



The famous Hamburg landmark is moored by the 'Landungsbrücken' pier in the Port of Hamburg and offers a true Hanseatic style dining experience. An ideal occasion for informal networking and socialising with your industry colleagues.

See back of brochure for further details, transport will be provided.

08:30 Coffee ☕

STREAM ONE

Delegates may chose one stream to attend. Please indicate your choice on the booking form.

Technical considerations for environmentally efficient shipping

Chairman: **Andreas Chrysostomou**, Coordinator of Multilateral Affairs, Dept of Merchant Shipping, Cyprus and Chairman, MEPC, IMO

09:00 **Designing ships to include new technology and reducing emissions**

- Effective design for new technology to be retrofitted
- Designing to reduce GHG and CO₂
- Retrofitting new technology on existing ships

Dr Reinhard Lüken, Secretary-General, Community of European Shipyards' Associations

09:25 **The ULSTEIN X-BOW® Design**

- ULSTEIN X-BOW® development
- Current ULSTEIN X-BOW® applications and experience
- ULSTEIN X-BOW® research projects and results
- ULSTEIN X-BOW® future applications - container vessels, short sea shipping

Øyvind Gjerde Kamsvåg, Naval Architect/Hydrodynamics M.Sc. - Chief Designer, Ulstein Design AS

09:50 **'Green Ship of the Future' - an overview of the Danish Project**

Niels B. Clausen, Senior Manager, Engine and System Application, MAN Diesel

CASE STUDY

10:15 **Scrubber technology to remove exhaust emissions**

- Results from using scrubber technology onboard
- Retrofitting - what were the parameters for fitting new equipment and how did it work?

Nils Christian Høy-Petersen, Torvald Klaveness

10:40 **Hull and propeller friction: hydrodynamic aspects, hull and propeller condition and influence of coating type**

- Hull and propeller friction is of high importance driven by increasing fuel prices and initiatives to decrease gas emissions
- Hull and propeller design and shape, noise and vibration, singing propellers, type and condition of coating, degree and type of fouling are crucial parameters of ship performance, and environmentally compatible service

Dr. Habil. Reinhard Schulze, Senior Project Manager for Propeller Design, SVA Potsdam GmbH
Dr Burkard Watermann, Director LimnoMar

11:05 Coffee and networking break ☕

11:30 **Ballast water management: implementation of regulations in Europe and worldwide**

- Legislation at IMO - progress in ratification
- Impact of requirements of the Convention

Brian Elliott, Senior Project Officer on Environmental Protection, EMSA

12:00 **Progress on G8/G9 accreditation of BW treatment technologies**

- What is available now?
- How can treatment requirements be met?
- Does postponement of applicable dates give false sense of security?

Dr Robert Hilliard, Managing Consultant, InterMarine Consulting Pty Ltd

DISCUSSION

12:25 **What impact does delay in approval have on the shipowner and how do they solve it?**

- How do they decide on the right system for their ships/fleet?
- What are the issues for retrofitting?

Panelists include:

Niclas Dahl, Market Unit Manager, Marine & Diesel, Alfa Laval
Christoph Peickert, Deputy Head of Stability Dept, Germanischer Lloyd AG
Matthias Voigt, Director R&D, Hamann AG

13:00 Lunch ☕

14:15 **Waste management: implementation of latest regulations and technology**

- MARPOL Annexes I, IV, V and VI
- Advanced waste water systems
- Compactors, crushers and food waste systems
- Separation v. segregation: understanding the difference
- Grey water: is there increased regulation to come?

Jonathan Morley, Lead Specialist and Team Leader, MARPOL Section, Design Support Services, Lloyd's Register

14:45 **Technical advances in oily water separators: what is the way forward?**

- Reviewing test requirements and regulations
- Electronic oil record book?
- Treating grey/black/oily water together

Benny Carlson, President, Marinfloc AB

15:10 **Treatment of bilgewater onboard ship - general aspects and modifications**

Angelo Tossio, Surveyor, DNV

15:35 Discussion

15:55 Tea and networking break ☕

STREAM TWO

Delegates may chose one stream to attend. Please indicate your choice on the booking form.

Ports: managing the environmental demands

Chairman: **Dr Hans Payer**, External Adviser to Germanischer Lloyd AG

09:00 **World Ports Climate Change/Environmental Shipping Index: how ports are addressing the challenges ahead**

- How ports are working on stimulating cleaner air and a better climate
- New instrument: Environmental Shipping Index, how will it look?

Tiedo Vellinga, Director Environment Safety and Spatial Planning Maasvlakte 2, Rotterdam Port Authority & Associate Professor Ports and Environment, Civil Engineering and Geo-sciences, Delft University of Technology

CASE STUDY

09:30 **Port development: how to square the circle of port expansion with environmental concerns**

- Port of Helsinki and City of Helsinki work for environment together: advantages and disadvantages
- New port: cargo traffic has moved away from city centre, importance for the environment
- Air pollution/noise pollution - monitoring and solution to prevent it
- The environment work in Port of Helsinki

Kaarina Vuorivirta, Quality and Environment Manager, Port of Helsinki

10:00 **Management of the dredging process in an environmentally sustainable way**

- Managing the process
- Disposing of the waste

Erik Van Wellen, Chief Technology Officer, D.E.M.E. n.v.

10:30 Discussion

10:40 Coffee and networking break ☕

11:05 **Reducing air emissions: experience with cold ironing**

- Pilot scheme and results
- Stefan Horndahl**, Director Strategic Projects, StoraEnso Logistics

11:30 **Cold ironing - regulatory and technical requirements**

- Overview of cold ironing technology
- Regulatory requirements - regional and international - concerning cold ironing
- ABS requirements for electrical system design
- Alternative technologies

Greg Zidiak, Principal Engineer, Corporate Technology, ABS

CASE STUDY

12:00 **Green Port Long Beach - reducing the environmental footprint of trade related activities**

- In today's world port operations must address environmental issues associated with air quality, water quality, wildlife protection and sustainability
- Port growth and development are intimately tied to addressing environmental challenges
- A comprehensive programme that addresses environmental impacts associated with goods movement is essential to sustained competitiveness
- Green Port Long Beach addresses environmental management through an integrated and comprehensive programme

Dr Robert Kanter, Managing Director of Environmental Affairs and Planning, Port of Long Beach

CASE STUDY

12:30 **The Port of Dover's solutions to air emissions**

- Monitoring and measuring emissions
- Complying with regulations

Howard Holt, Head of Corporate Affairs, Port of Dover

13:00 Lunch 

14:15 **Port reception facilities: what is available and what is required?**

- Reporting issues: what does the port need?
- What does the ship need?
- Understanding the optimum interface between ship and port

Guido Van Meel, Adviser, EU Affairs, Port of Antwerp & Secretary General, EUROSHORE

14:45 **The contractor's view of waste disposal**

- Managing the waste stream
- Establishing revenue streams
- Setting up new recycling systems


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15:15 **Certification of port reception facilities and international standard(s)**

- Innovative approaches to improve the environmental performance of industry and public authorities
- Need to ensure oily residues and cargo residues are collected in adequate port reception facilities and managed in safe way
- Improving transparency between maritime and land transactions, predictability, traceability and certainty
- Proposed development of a certification scheme for port reception facilities supported by international standards

Pierre Portas, President, Waste Environment Cooperation Centre (WE2C)

15:45 Discussion 

15:55 Tea and networking break 

CONCLUDING PLENARY SESSION

Chairman:

Andreas Chrysostomou, Coordinator of Multilateral Affairs, Dept of Merchant Shipping, Cyprus and Chairman, MEPC, IMO

16:15 **Understanding the impact of US environmental regulations and developments**

- MARPOL Annex VI implementation
- EPA rules on ballast water - the Clean Water Act
- Current cases on OWS and environmental compliance programmes
- Noise pollution: is this the next big target for lawyers?

Dennis Bryant, Partner, Holland & Knight LLP

CLOSING ADDRESS

16:40 **The European Commission's vision for environmentally friendly shipping**

DEBATE

17:00 **What is the current state of green ship technology in 2009 and beyond?**

17:30 Close of conference

POST-CONFERENCE WORKSHOP:

Improving energy and environmental efficiency of ship operations

Thursday 26th March 2009

Le Royal Meridien Hotel, Hamburg

Workshop Leaders:

Sebastian Sala, Project Engineer, Deltamarin
Mikko Eskola, Managing Director, Fairgreen

The workshop is a practical guide for evaluating and planning the energy and environmental efficient operation of a vessel. On the basis of this information, a general overview of improvement methods and options will be presented. The participants will plan and discuss the most feasible options for the selected vessel case example.

Timetable:

- 09:30 Registration and coffee
- 10:00 Workshop begins
- 12:00 Lunch
- 13:00 Afternoon session begins
- 15:00 Workshop ends



BUY THE CONFERENCE PROCEEDINGS!

Of course, nothing compares to 'being there', but you don't have to completely miss out. You can purchase the Green Ship Technology conference proceedings at just £380 (£400 overseas). Simply tick the box on the booking form, send it with payment and your copy will be on its way to you after the meeting. This will be the source of invaluable reference for the future. For more information contact Yuliya Lapkovich on tel: +44 (0)20 7017 7469, fax: +44 (0)20 7017 7853 email: yuliya.lapkovich@informa.com

Green Ship Technology

Tuesday 24th & Wednesday 25th March 2009
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Both at the conference venue

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Le Royal Meridien Hotel
An der Alster 52-56, D-20099 Hamburg, Germany
Tel: +49 (040) 2100 0
Fax: +49 (040) 2100 1111
Web: www.starwoodhotels.com

ACCOMMODATION DETAILS

The cost of accommodation is not included in the event fee. As a free service, reduced rate hotel accommodation can be arranged by contacting Zibrant.
Tel: +44 (0)1332 285590 Email: informa@zibrant.co.uk
Web: www.zibrant.co.uk/informa

SPECIAL REQUIREMENTS

Please list below any special requirements you may have

TERMS AND CONDITIONS

FREE: This includes all sessions, lunch, refreshments and available documentation. Bookings made after **Monday 9th March 2009** must be accompanied by a credit card confirmation.

VAT: Under EU legislation delegates from all countries are required to pay VAT at the relevant rate on any conference taking place in an EU member state. Delegates from outside the EU member states may be entitled to reclaim this cost. Informa UK Ltd, in conjunction with Tax Back International, can help you to make a significant reduction on your attendance costs. A claim form will be sent to you with your booking confirmation. For further information visit www.taxbackinternational.com/informa.

CANCELLATIONS: Cancellations received in writing by **Monday 9th March 2009** will be subject to a service charge of £200. It is regretted that cancellations received after this time cannot be accepted and are subject to the full event fee. Substitutions are welcome at any time. It may be necessary for reasons beyond the control of the organisers to alter the content and timing of the programme or the identity of the speakers. In the unfortunate event that an event is cancelled Informa are not liable for any costs incurred by delegates in connection with their attendance. This contract is subject to English Law.

ARE YOU REGISTERED?: You will always receive an acknowledgement of your booking. If you do not receive anything please call us on +44 (0)20 7017 7469 to make sure we received your booking.

CALL MONITORING: Telephone calls to Informa UK Ltd may be recorded or monitored in order to check the quality of the service being provided.

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CONFERENCE DOCUMENTATION AVAILABLE

You can purchase the **Green Ship Technology** conference documentation at just £380 for UK (or £400 for overseas). Simply tick the box within Step 1, send it with payment and your copy will be on its way to you after the meeting. This important manual will be the source of invaluable reference for the future. For further information contact Yuliya

STEP 1: WORK OUT THE PRICE (please tick option)

Bookings received by 27/1/2009	Bookings received 28/1/09 to 24/2/09	Bookings received from 25/2/09
DELEGATE CONFERENCE FEE <input type="checkbox"/> £1199 + MWST @ 19% (£227.81) = £1426.81	DELEGATE CONFERENCE FEE <input type="checkbox"/> £1299 + MWST @ 19% (£246.81) = £1545.81	DELEGATE CONFERENCE FEE <input type="checkbox"/> £1399 + MWST @ 19% (£265.81) = £1664.81

STEP 2: CHOOSE YOUR STREAMS (please tick options)

DAY 1 (24 March) STREAM ONE <input type="checkbox"/> Operational Efficiency	DAY 2 (25 March) STREAM ONE <input type="checkbox"/> Technical Considerations	Pre-Conference Workshop <input type="checkbox"/> £550 + MWST @ 19% (£104.50) = £654.50
DAY 1 (24 March) STREAM TWO <input type="checkbox"/> CSR	DAY 2 (25 March) STREAM TWO <input type="checkbox"/> Ports	Post-Conference Workshop <input type="checkbox"/> £550 + MWST @ 19% (£104.50) = £654.50
		Conference Dinner <input type="checkbox"/> £90 + MWST @ 19% (£17.10) = £107.10
I am unable to attend, but please reserve me ___ set(s) of documentation @ £380 per set (£400 overseas)		Total £

Group discounts available: Contact Anthony Streeter on anthony.streeter@informa.com

STEP 3: DELEGATE DETAILS (for ease, attach your business card) – Please photocopy form for multiple bookings

1. Delegate (Mr/Mrs/Ms/Miss/Dr) Family Name _____
First Name _____
Job Title _____
Company _____
Department _____
Email _____
Direct Telephone _____ Mobile _____
Address _____
Country _____
Postcode/Zip Code _____ Fax _____
Nature of Company Business _____ VAT Reg no _____

2. Who do you report to? (Mr/Mrs/Ms/Miss/Dr) Family Name _____
First Name _____ Job Title _____
Email _____
Direct Telephone _____ Mobile _____

3. Who is the Head of Training? (Mr/Mrs/Ms/Miss/Dr) Family Name _____
First Name _____ Job Title _____
Email _____
Direct Telephone _____ Mobile _____

STEP 4: PAYMENT DETAILS

Enclosed is a **cheque** made payable to **Informa UK Ltd** (Ref: LM1098)
 Please charge my credit card (CVV: Last 3 digits on signature strip on back of credit card. AMEX - 4 digit number on front of card)

Card No _____ Expiry Date _____ CVV Number _____
Card Holder's Name _____ Contact Tel No _____
Card Billing Address _____
Signature _____ Date _____

I agree to the Terms & Cancellations Conditions as stated on this form

For payment by **Bank transfer** (excl. US\$ & HK\$)
Informa UK Ltd, Account Number: 01825550 NatWest Bank, Colchester, Essex UK
Sort Code: 60-06-06 SWIFT code: NWBKGB2L. Ref: LM1098 and delegate's name
Delegates who do not pay with their booking are requested to provide a copy of their credit card / cheque details to help payment allocation. Staff at the event will request a credit card guarantee for delegates without proof of payment.

For further information on payment details visit www.payments.informa.com/le or call +44 (0)20 7017 5511

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