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#BWMTech



Green Shipping
Technology Group



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The 10th Annual

BWMTech



Ballast Water Management Technology Conference

Monday 8th December to Tuesday 9th December 2014

Technical Workshop: A Practical Guide to Retrofitting Ballast Water Treatment Systems

Wednesday 10th December 2014

The Congress Centre, London

Essential ballast water management guidance to prepare shipowners for Convention enforcement

- Feedback from MEPC 67 and IMO General Council meeting on proposals, modifications and resolutions
- ICS, BIMCO and German Shipowners' Association discuss the robustness of the IMO/US Coast Guard and class type approval process
- Direct operator feedback from CSL Ships, Saga Shipholding and Van Oord on the installation, retrofit and operation of a BWMS
- Review 10 years of testing BWMS and the effectiveness of compliance testing toolkits

Regulatory insight:



Peter Hinchcliffe
Secretary General
**International Chamber of
Shipping**



Peter Lundahl Rasmussen
Senior Marine Technical Officer
BIMCO



CDR Ryan Allain
Environmental Standards Officer
US Coast Guard



Praveen Kumar Mishra
Vice President
Indian Register of Shipping

Shipowner perspectives:



Eivind Holte
Senior Technical Manager
Saga Shipholding



Jamie Coates
Project Manager
Canada Steamship Lines



Frank de Waard
Project Manager
Van Oord



Wolfgang Hintzsche
Marine Director
**German Shipowners'
Association**

In association with:

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DESMI Ocean Guard
- ballast water treatment systems



Networking drinks

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Day One: Monday 8th December 2014

08.10 Coffee and registration

08.40 Chairman's welcome and introduction
Craig Eason, Deputy Editor, **LLOYD'S LIST**

08.45 **Town hall style open forum**
Shape the agenda. Have your say and flag issues to be discussed throughout the conference. This will ensure that our experts tackle the topics that matter to you.



Successfully implementing the Convention

09.10 **Live update from the IMO council meeting and MEPC 67**

- Clarification on the interpretation of the G8
- Update on the IMO type approval process
- Findings from the Norwegian study
- How close are we to ratification?
- What will be the timelines from ratification?

Praveen Kumar Mishra, Vice President, **INDIAN REGISTER OF SHIPPING**

09.50 **PANEL DEBATE**
Is the IMO type approval process robust enough?

- IMO vs. the US Coast Guard (USCG): What are the technical differences?
- Will an IMO type approved system be compliant upon enforcement?
- Inconsistencies in the interpretation of G8
- Transparency in BWMS type approval

Panellists include:

Peter Hinchliffe, Secretary-General, **ICS**
Peter Lundahl Rasmussen, Senior Marine Technical Officer, **BIMCO**
Gitte Ingelise Petersen, Project and Business Area Manager, **DHI BALLAST WATER CENTRE**
Rasmus Folsø, CEO, **DESMI OCEAN GUARD A/S**
Jim Cosman, Market Manager, **TROJAN MARINEX**

10.30 Coffee and networking

Critical updates on US regulations

11.00 **PANEL DISCUSSION**
Clarifying the USCG type approval process

- Updates and outlook
- UV filtration systems: Will they ever meet type approval standard?
- How can ship operators ensure compliance?
- Impact of temporary extensions on AMS approved system market
- The acceptance of alternative components in an approved system
- What is the benefit of taking a USCG extension?

Panellists include:

Ryan Allain, Environmental Standards Officer, **US COAST GUARD**
Gitte Ingelise Petersen, Project and Business Area Manager, **DHI BALLAST WATER CENTRE**
Martin Olofsson, Principal Engineer, Environmental Protection, **DNV GL**

Live audience participation poll:
Take this opportunity to vote live at the conference through our audience polling system.
What do you think? Will the USCG type approval become the de facto reopened G8 standard?



**Book by 19th September
and SAVE up to £300**

12.00 **Testing requirements for the EPA Vessels General Permit**

- EPA's role in granting permission to use chemicals
- Enforcement response policy
- Advice to shipowners

Representative, US ENVIRONMENTAL PROTECTION AGENCY

12.30 **PANEL DISCUSSION**
What is the classification approval process for BWMS?

- How does the class approval process differ from the statutory process?
- What is the approval time?
- How are the tests conducted?
- Which standards are you using?

Debra Dicianna, Senior Environmental Solutions Consultant, **ABS**
Sahan Abeysekara, Senior Specialist, Engineering Systems
LLOYD'S REGISTER

13.00 Lunch and networking

Port state control: Preparing for enforcement

14.00 **CHAIRMAN'S CHOICE**
Ensuring you're ready for port state inspections

- What kind of inspections can operators expect?
- Will there be consistency across the different port states?
- Will US port inspections be more stringent?
- Will there be a common approach to surveys?
- What will be required upon inspections?
- Are they going to take sample quantities for inspections?

Developments in testing and sampling

14.30 **IN THE BALLAST TANK WITH.....**
Overview of 10 years testing BWMS: What have we learnt so far?

During this session put your questions to our scientific expert. Questions can be submitted anonymously prior to the conference or live during the session. Subjects to be discussed include:

- What is the impact of different water conditions on BWMS?
- Are past assumptions on how to treat micro-organisms correct?
- What are some of the new ideas in regards to testing?

Marcel Veldhuis, Marine Scientist, **MARINE ECO ANALYTICS**



15.00 Coffee featuring speedy networking

15.30 **PANEL DEBATE**
Compliance testing toolkits: How effective are they?

- What is the general quality of these testing tools?
- Will this proof of compliance test be enough for enforcement inspections?
- What does it really mean to operate them?
- What does it mean if it shows non-compliance?

Panellists Include:

Wolfgang Hintzsche, Marine Director, **GERMAN SHIPOWNERS' ASSOCIATION**
Marcel Veldhuis, Marine Scientist, **MARINE ECO ANALYTICS**

Live audience participation poll:
Take this opportunity to vote live at the conference through our audience polling system.
What do you think? Are the testing kits a necessary assurance for quality or are they creating more distrust within the market?



Operational solution banks

- 16.30 Wind down with a glass of champagne. Share and explore key topics with fellow delegates and speakers in an informal and interactive environment.
- 1. The impact of water conditions on marine growth and filtration performance**
 - 2. What is the key to a successful retrofit installation?**
 - 3. Examining the maintenance standards and operational requirements of a BWMS**
 - 4. Compliance monitoring testing kit**
- 17.10 **Feedback from operational solution banks**
- 17.30 Chairman's summary and close of day one
- 17.45 **Networking drinks reception**
Mingle with fellow attendees, speakers and exhibitors. Join us for our special 10th anniversary celebration.



Day Two: Tuesday 9th December 2014

- 09.00 Chairman's welcome and recap of day one
Craig Eason, Deputy Editor, LLOYD'S LIST
- 09.10 **Developing a harmonised procedure on granting exemptions**
- North East Atlantic and Baltic seas
 - Port and environmental sampling
 - Online decision support tool
 - Administrative procedure
- John Mouat, Deputy Secretary, OSPAR COMMISSION**
- 09.40 **Cost benefit comparison of alternative methods of compliance with the BWM Convention**
- What does the Convention say about the alternatives?
 - What are the alternatives?
 - How do they compare with fitting a management system?
 - What are the challenges?
- Yildiz Williams, Senior Environmental Consultant, LLOYD'S REGISTER**

Operators' feedback on BWMS installation and performance

- 10.00 **Overcoming the challenging new build and retrofit installation on open hatch general cargo carriers**
- Ballast demands in comparison to other vessels
 - New build ship type and operating criteria
 - Installation process
 - Overcoming the technical challenges
- Eivind Holte, Senior Technical Manager, SAGA SHIPHOLDING**
- 10.30 Coffee and networking
- 11.00 **SPOTLIGHT SESSION**
Developing a unique low-cost ballast solution
- Difference between a dredging vessel and other vessel types
 - Working on the ballast project
 - How we overcame the challenges
- Frank de Waard, Project Manager, VAN OORD**
Marcel Veldhuis, Marine Scientist, MARINE ECO ANALYTICS
- 11.30 **LIVE INTERVIEW**
Canada Steamship Lines experience with BWMS
Hear from CSL Ships on their experience sourcing and installing a BWMS. Understand how they chose their system, negotiated the deal and prepared for installation.
Jamie Coates, Project Manager, CANADA STEAMSHIP LINES



Assessing BWMS performance and installation options

- 12.00 **HEAD-TO-HEAD TECHNOLOGY PANEL**
Which BWMS is best for my vessel?
During this session questions will be put to the manufacturers on their BWMS. Questions can be submitted from the audience and our panel of shipowners.
Questions will include:
- What is the estimated lifespan of your system?
 - What kind of after-care can I expect from your system?
 - What would be the initial cost and time required for installation?
 - Will there be any impact on costs of systems after ratification?
- Moderator: **Craig Eason, Deputy Editor, LLOYD'S LIST**
- Manufacturers Include: **TECHCROSS**
DESMI OCEAN GUARD
HYDE MARINE
SEVERN TRENT DE NORA
- Shipowners include: **LAURITZEN KOSAN A/S**
CSL SHIPS
SAGA SHIPHOLDING
VAN OORD
- 13.00 Lunch and networking



Practical demonstration breakouts

- 14.00 Participants will be able to view and discuss in smaller informal groups the new innovative and alternative technologies in the market with live demonstrations of:
- Compliance monitoring testing kits
 - Alternative ballast water treatment systems
 - Piping solutions for retrofits
 - 3D laser scanning systems for retrofits



System operation, maintenance and crew training requirements

- 15.00 **PANEL DISCUSSION**
How will operating the BWMS really impact the operation of a ship?
- What tools do shipowners need to set up their ballast water management programme?
 - Stripping and cleaning of ballast tank requirements
 - When should your system be turned on or off?
 - How will the treatment system impact your vessel in transit?
 - How to minimise operational expenses
- Panelists Include:
Debra Dicianna, Senior Environmental Solutions Consultant, ABS
Jad Mouwad, Owner, MOUAWAD CONSULTING
Peter Lundahl Rasmussen, Senior Marine Technical Officer, BIMCO
- 15.30 Coffee and networking
- 16.00 **P&I perspective: How will the Convention impact members' business and their operational and insurance costs**
- Equipment inability to comply with the Convention requirements
 - Anticipated delays
 - Sanctions to be imposed
 - How much compliance will add to operational costs and non-compliance to insurance costs
- Jeff Lock, Senior Claims Director, THOMAS MILLER P&I (EUROPE) LTD**
- 16.30 **Assessing crew training requirements for a BWMS**
- What are the manufacturers and class societies' guidance for crew training?
 - How can crew negligence be avoided?
 - How can systems be safely operated according to compliance?
- 17.00 **Conference takeaways and action points with your BWMS questions answered**
Review the conclusions of the past two days and receive your takeaway notes on all our polls and interactive debates to ensure your BWMS questions are answered.
- 17.20 Chairman's closing remarks

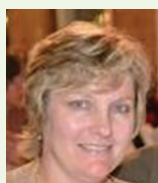
A Practical Guide to Retrofitting Ballast Water Treatment Systems

Expert guidance on treatment system selection and retrofit planning and execution

Wednesday 10th December 2014 • Congress Centre, London

08.30	Coffee and registration	13.00	Lunch
09.00	Chairman's welcome	14.00	Feedback on the approval process for BWMS retrofit <ul style="list-style-type: none">• Retrofit approval scope• Overview of documentation requirements• The approval process
09.10	Objective generation Introduce yourself and share your objectives to ensure specifically tailored guidance	15.00	Addressing the maintenance and training requirements <ul style="list-style-type: none">• What can be learnt from the experience so far?• How do the maintenance demands differ across system types?• What sort of crew training is required for maintenance?
		15.45	Coffee and networking
09.30	How to select the right treatment system for your vessel <ul style="list-style-type: none">• Examining different operating profiles and vessel types• An overview of the technologies on offer• Treatment system performance and reliability	16.15	GROUP DISCUSSION What can be learnt from the challenges so far in order to mitigate future risk? <ul style="list-style-type: none">• How can suppliers support the installation process?• How to configure vessels for faster installation• Dry docking schedule importance• Advice to shipowners based on challenges and success stories
10.30	How to prepare the vessel for BWMS retrofitting <ul style="list-style-type: none">• Ballast water tank condition and preparation• Piping preparation• Sediments handling before and after• Crew involvement		
11.00	Coffee and networking	16.45	Key takeaway roundup Review topics covered and address any outstanding issues or concerns
11.30	GROUP DISCUSSION How can the industry ensure a successful retrofit process for vessels? <ul style="list-style-type: none">• What is the industry's current retrofit capacity?• Are the ship yards ready?• How can shipowners avoid the retrofit rush?	17.00	Chairman's summary and close of workshop
			
12.00	Overcoming space and layout challenges during a retrofit <ul style="list-style-type: none">• What are your layout options?• Importance of retrofit planning and design• Case study examples		

Expert Speakers include:



Debra Dicianna
Senior Environmental Solutions Consultant
ABS



Jad Mouwad
Owner
MOUAWAD CONSULTING



Peter Lundahl Rasmussen
Senior Marine Technical Officer
BIMCO

What is new for BWMTech this year?



Live Audience Participation Poll

Have your say on some of the key topics on the programme. Results will be announced live during the conference session and included in your conference takeaway paper.



BWMTech Networking Platform

For the first time, view the delegate list, arrange meetings and build a profile before the event to maximise your networking experience at the conference. Available to all registered delegates and speakers to download one week prior, and two weeks after the event.



Town Hall Style Open Forum

Shape the agenda! Have your say at the beginning of the conference to flag issues that you would like to be discussed. Feedback on these issues will be presented in your conference takeaway paper.



Head-to-Head Technology panel

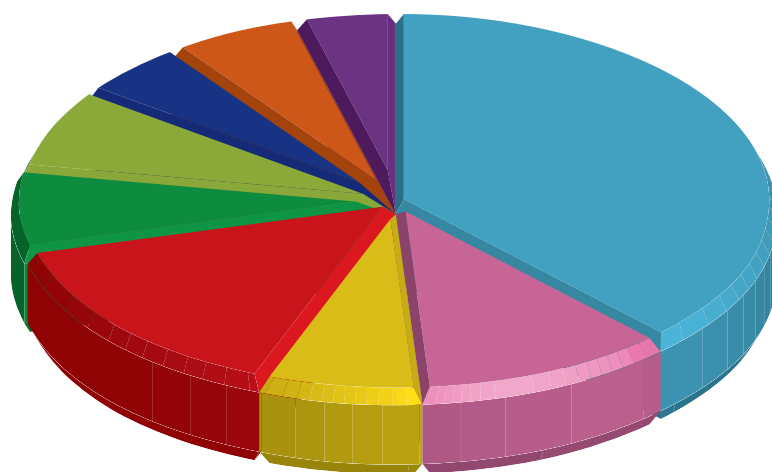
Put the BWMS manufacturers under the spotlight, to scrutinise which BWMS is best for your vessel. Questions will be raised by our audience and our panel of shipowners.

Shipowners and operators are invited to attend for free*

To apply for your free place contact rosanna.boyle@informa.com

*Terms and conditions apply subject to final approval

Who attends BWMTech?



- Shipowners and Operators
- Ship Managers
- Maritime Administrations
- Ballast System Manufacturers
- Consultants
- Filtration Manufacturers
- Ship yards / Ship repair yards
- Water Testing Facilities
- Class

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The BWMTech Conference presents an unparalleled opportunity to raise your profile and highlight your services.

For a bespoke proposal, please get in touch with **Paul Skinner** on: Tel: **+44(0)20 7017 4402** Email: paul.skinner@informa.com

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- ballast water treatment systems



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Van Oord and
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Analytics reveal
their low-cost
ballast solution



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STEP 1: SELECT YOUR PACKAGE (please tick option)

CHOOSE YOUR PACKAGE	DATES	REGISTER BY 19th September 2014	REGISTER BY 7th November 2014	REGISTER AFTER 7th November 2014
2 Day Conference & 1 Day Workshop	8th - 10th December 2014	<input type="checkbox"/> £1798 SAVE £300 + 20% VAT = £2157.60	<input type="checkbox"/> £1898 SAVE £200 + 20% VAT = £2277.60	<input type="checkbox"/> £1998 SAVE £100 + 20% VAT = £2397.60
2 Day Conference	9th - 10th December 2014	<input type="checkbox"/> £1199 SAVE £200 + 20% VAT = £1438.80	<input type="checkbox"/> £1299 SAVE £100 + 20% VAT = £1558.80	<input type="checkbox"/> £1399 + 20% VAT = £1678.80
1 Day Workshop	10th December 2014	<input type="checkbox"/> £699 + 20% VAT = £838.80		

£200 discount available for 3rd and subsequent delegates from the same company

The VAT rate is subject to change and may differ from the advertised rate. The amount you are charged will be determined when your invoice is raised. Savings include Multiple Package & Early Booking Discounts. All discounts can only be applied at the time of registration and discounts cannot be combined, apart from early booking discounts that are available to everybody. We are happy to accept a replacement delegate for the whole event, however delegate passes cannot be split or shared between delegates under any circumstances. All discounts are subject to approval. Please note the conference fee does not include travel or hotel accommodation costs.

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The cost of accommodation is not include in the event fee. To view accommodation options nearby at a range of prices, we have created a Hotel Map which displays live availability nearby and allows to book direct with each hotel
<https://www.HotelMap.com/pro/MLY17>

TERMS AND CONDITIONS

FREE: Bookings made within two weeks of the event must be accompanied by a credit card confirmation.

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