



# Daily News

No 3 | Thursday 7 November 2013



In eight workshops more than 120 participants discussed various issues concerning the treatment of ballast water

## Ballast water treatment: Lively discussions trigger new impulses

The thorough testing of new ballast water treatment technology is of significant importance. This is one of the main points Dr Jan P. Boon, project leader at NIOZ – Royal Netherlands Institute for Sea Research

and chairman of the International Ballast Water Conference, currently being held at Europort, specifies after the first day of the two-day conference "Ballast water management: From concept to reality".

Summarising the results from the "Meet the Experts" panels, in which the participants could choose between eight different sessions, he said, "Learning should have a priority over fining." ▶

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addressing the fact that BWM systems are a complete new technology. While testing facilities do their best, he noted, it is not possible to test all the systems for the entire fleet before the convention enters into force.

**Background**

To prevent non-native species from invading other ecosystems, in 2004 the IMO adopted the International Convention for the Control and Management of Ships' Ballast Water and Sediments (BWM Convention). It requires ships to conduct a ballast water exchange or meet a concentration-based ballast water discharge standard in accordance with a gradually implemented schedule linked to the ship's build date and amount of ballast on board. Since vessels have not been designed and equipped to treat ballast water, installation of a BWM system is necessary to ensure conformity with the strict water quality standards set in what is known as Regulation D2. However, the BWM Convention has yet to reach the required number of signatories for formal ratification. Entry into force will occur twelve months after ratification by 30 states representing 35% of world merchant shipping gross tonnage. The represented tonnage currently stands at 30.32%

**International Ballast Water Conference at Europort 2013**

In hosting the International Ballast Water Conference on Wednesday and Thursday, Eu-



RWO is exhibiting its CleanBallast ballast water treatment system at Europort

roport is prioritising one of the current key issues of the international maritime agenda. The conference focuses on specific challenges in the implementation of BWM policies. After a session of lectures that gave an overview of the current status of BWM-related issues, the programme offered special "Meet the Expert" sessions, focusing on the role of ports, exemptions, special ships, transparency, approval and installation processes, retrofitting, compliance, monitoring and enforcement, and US regulations. This gave the delegates the opportunity to address and discuss specific subjects in more detail. The conference is organised by the North Sea Ballast Water Opportunity (NSBWO), a

platform of international experts including scientists, politicians, manufacturers, ship-owners and NGOs, funded by the European Union. More than 120 registered participants attended the conference on Wednesday. In his welcome address in the morning, Jan Boon from NIOZ, introduced the NSBWO project and explained the risk of marine bioinvasion caused by global shipping to the audience. Starting off, Marieke Verweij from ProSea Foundation presented an environmental perspective. According to her, the global economic losses due to non-native species invading sensitive eco-systems, sum up to EUR 7 billion every year. Annuka Pekkarinen from the World Maritime University,

Malmö, Sweden, afterwards focused on the topic: "Ballast Water Management and Invasive Species: Training, research and awareness building". Subsequently, Stefan Kacan from Germany's Federal Maritime and Hydrographic Agency (BSH) gave an overview of the current status of the convention, the cooperation with other authorities regarding the approval process and presented results from the NSBWO project. As a main goal of the project, which is still running until the middle of 2014, he specified the establishment of a manual for the approval of ballast water management systems. He was followed by Louis Peperzak from NIOZ and Stephan Gollasch from Go-Consult. They discussed various options for the detection of the bacteria identified in the IMO D-2 standard in their presentation "A technical and enforcement perspective on the IMO ballast water convention"

**Workshop**

In the workshop "My Concerns and Issues", which was scheduled after the lunch break, participants could choose a specific subject each in two consecutive "Meet the Expert" panels. Today there will be two more panels, so in total participants may discuss four topics in more detail.

**▶ IMPRINT**

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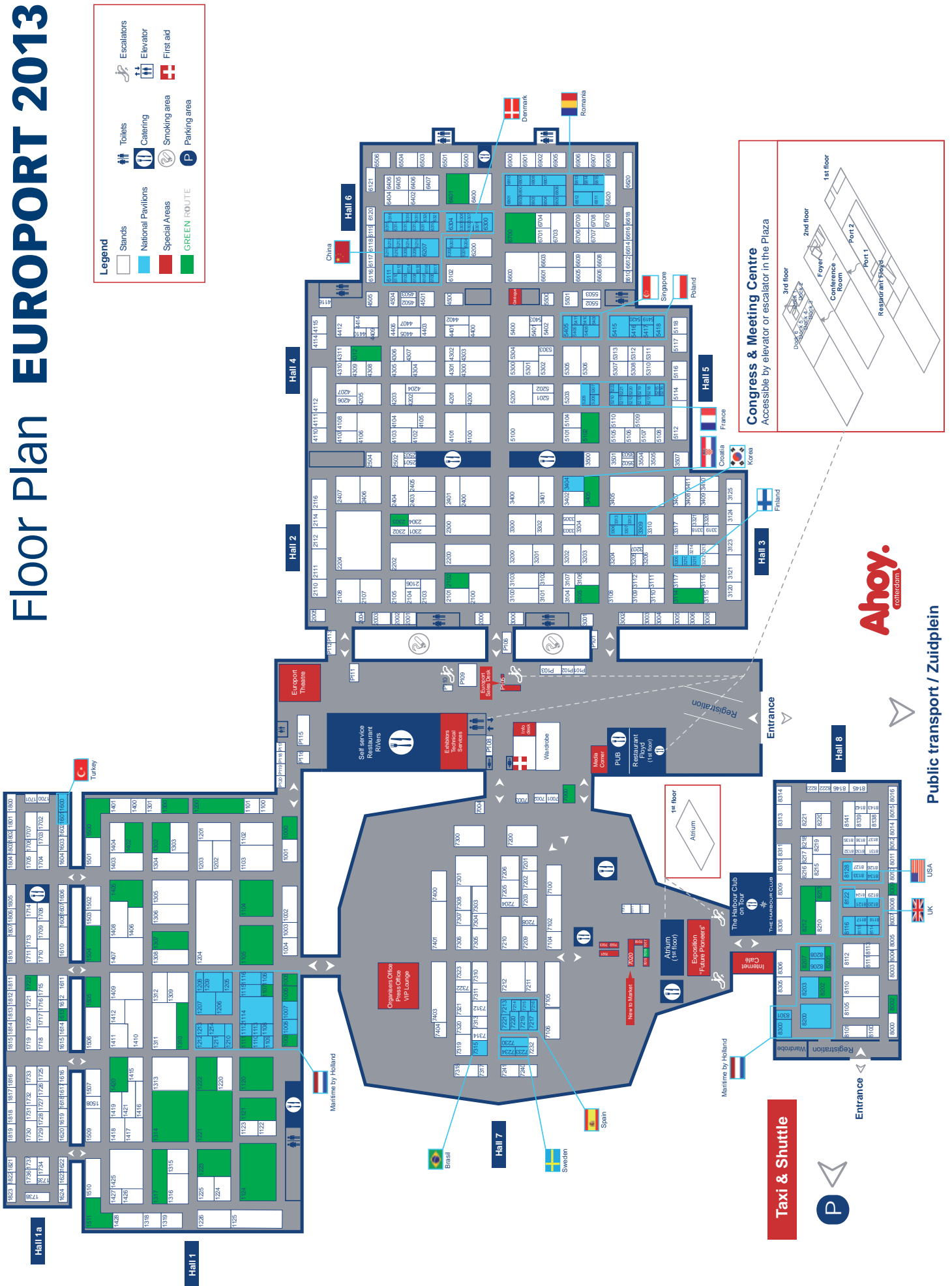
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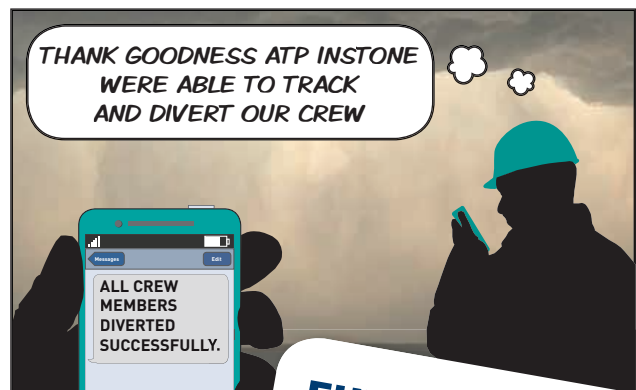
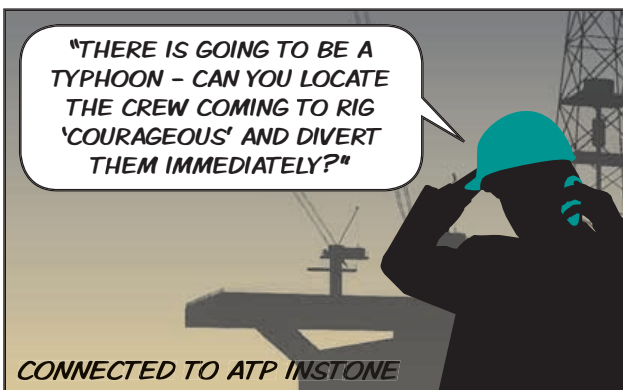




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## Comprehensive range on display

SAM Electronics Nederland of Rotterdam, a subsidiary of Hamburg-based SAM Electronics, an L-3 company, is exhibiting its extensive range of latest automation, navigation, communications and associated equipment at the show.

Main features include an updated NACOS Platinum bridge control assembly with a network system architecture that now supports dynamic positioning, making it the world's first fully integrated bridge system able to provide inclusive automation, navigation, communications and DP functions, SAM said. Its increased functionality and extended screen displays are simulated in various operational modes supported by a stand-alone multi-pilot console for combined IP radar and ECDIS operation.



SAM's booth at Europort

Another navaid on display is a compact ECDIS pilot basic unit, specifically designed for retrofit applications, which is said to be compatible with all main chart databases while

providing overlays of ARPA and AIS targets. Other exhibits include SAM Electronics Nederland's recently expanded series of KVH SAT-TV and VSAT terminals

for a wide range of onboard Internet, email and leisure applications.

**SAM Electronics Nederland at Europort: Stand 2202**

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## NAUTIS simulators for training centre

Iskes Towage & Salvage has signed an agreement with VSTEP for the delivery of two NAUTIS tug and offshore supply vessel (OSV) simulators. The simulators are the first units purchased for the new Iskes / Damen training centre, set up in the new office building of Iskes in Amsterdam.

VSTEP will initially provide a 360-degree NAUTIS full mission tug simulator and a 240-degree NAUTIS desktop trainer. At a later stage, the tug and OSV simulators will be expanded with another 360-degree full mission tug simulator so that a complete exercise scenario with the assisted vessel and two tugs (one at the stern and one at the bow) can be conducted. The centre will initially be used for internal training,

with courses offered for external parties starting in the second quarter of 2014.

Jim Iskes, owner of Iskes Towage & Salvage said, "For a number of reasons we wanted a tug simulator. First to train new crew; we are confident that the simulator will decrease the time needed to train new masters and chief officers. But also – and very important – the simulator will provide us with a tool to train emergency situations and to sail under difficult circumstances such as heavy winds and dense fog."

Arie Jonas, project manager for training at Damen Services added, "The simulator will initially feature the specifics of a Damen 2810 and a Damen 3212 ASD tug, but also the popular Damen fast crew supplier 2610 will be simulated."



## Fouling release solution to save fuel

Belgium's Fujifilm Smart Surfaces will unveil a new silicone fouling release solution, which will save fuel and reduce dry-docking. The primary goals of the fouling release system, the company said, are to prevent fouling from permanently attaching to surfaces, which increases drag and causes higher fuel usage

and costs, and to reduce dry-docking and maintenance, as well as reduce the generation of greenhouse gases. The company's non-toxic solution is a patented, resilient, effective silicone-based coating. The Smart Surfaces Duplex foulant-release technology causes organisms to be released from surfaces even at lower speeds

and lighter water pressure, Fujifilm Smart Surfaces noted. The Duplex Tie Coat formula incorporating nanotechnology is an ingenious synergy of three layers. An epoxy anti-corrosion layer and a tough, protective silicone surface coat are effectively interlocked through a covalent bond. The synergy among these three

creates a superior adhesion and durability that boosts the toughness and adhesion properties of the epoxy and silicone coating, creating a new system that is durable and long lasting, Fujifilm Smart Surfaces said.

**Fujifilm at Europort:  
Stand 1802**

## Solving the energy challenge

At the Alfa Laval stand at Europort 2013, visitors will find a comprehensive approach to deal with financial and regulatory pressures in the maritime industry, with solutions for energy efficiency and extending performance at the forefront.

The products on display include energy solutions like PureDry, which offers the win-win scenario of minimising fuel waste volumes while returning usable fuel. Additionally, energy advantages are prominent in systems beyond the fuel line. Examples include waste heat recovery systems, whose energy-reclaiming capabilities are as relevant for auxiliary engines as they are for main engines, and the new ballast water treatment system PureBallast 3.0, which pro-

vides energy savings of up to 60% compared with previous versions.

Supporting these solutions are Alfa Laval's vast expertise and global backing, which ensure that immediate energy savings pave the way for long-term operating economy. Alfa Laval Service offering will be another strong focus at Europort, allowing visitors to explore the benefits of extending performance: maximum uptime, availability and optimisation.

### Green Route participant

An independent jury from the Platform Clean Shipping initiative has identified that Alfa Laval will merit the "Green Route" status during Europort 2013. Being a participant of the "Green Route" means that Alfa Laval is offering de-



At Europort 2013, Alfa Laval is a participant of the exhibition's Green Route

monstrable commitment to a sustainable maritime industry. Recognition entitles exhibitors to acknowledgement on the organiser's floor plan,

highlighting their standing as "green innovators".

**Alfa Laval at Europort:  
Stand 8212**



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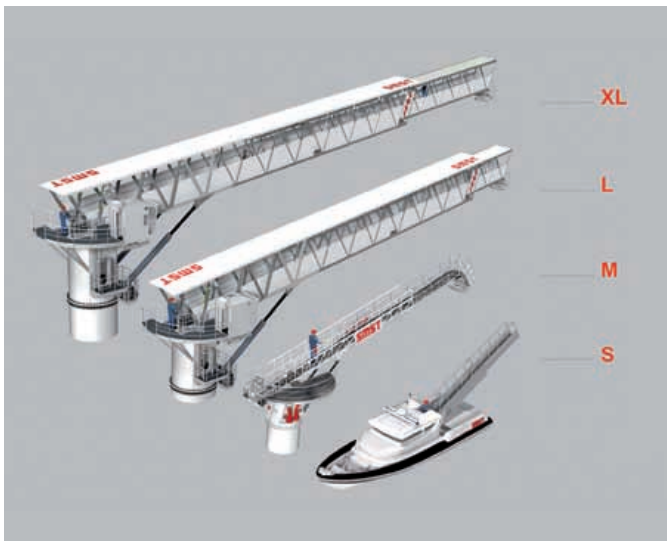


Illustration of the TAB range by SMST

## Telescopic access bridge combined with fast offshore craft

SMST, a designer and builder of customised lifting, transport, drilling and pipelay systems for the handling of heavy equipment on board ships, will present new access bridges, varying in application and length, as well as fast offshore crafts that are used for patrol, inspection and crew transport.

At its stand at Europort, SMST presents its range of telescopic access bridges (TAB), including the smallest solution (S-version) with a maximum length of 10m. The version is designed to be combined with the 13.5m-long fast offshore craft. By mounting the access bridge onto the vessel, personnel can

be transferred safely and cost-effectively to an offshore structure or the quay side. Stability of the craft is accomplished by the motion-compensated system of the bridge.

The SMST M, L and XL versions of the TAB are designed for both walk-to-work application and cargo handling. The balanced construction enables easy access to wind farms and accommodation platforms with the use of low power and minimal space requirements. The access bridges vary in lengths, up to a maximum of 58m.

**SMST at Europort:**  
Stand 3121

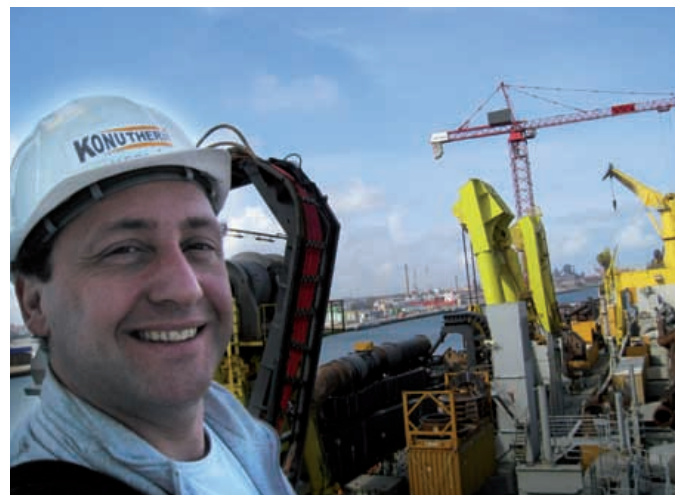
## Heating systems for marine and offshore applications

Konutherm will present its range of thermal oil and glycol/water heat transfer systems for the marine, oil and gas and petrochemical industries.

Its thermal oil and glycol/water systems are especially suitable to keep tanks with heavy fuel (HFO) and/or cargo (crude oil or chemicals) at the required temperature, Konutherm said. The systems are equipped with highly efficient fired heaters and designed for optimum heat recovery with special exhaust gas heaters (economisers), provided with a robust valve system. The heavy-duty economiser valve system combines optimum control of the

required temperature and prevents degradation of the heat transfer oil, the company said. The major advantages of the Konutherm exhaust gas economisers are said to be the high energy recovery, the low fouling and oil degradation rate and that no dump cooling (with corresponding heat exchanger, pumps, piping, appendages and energy consumption) is required. Furthermore, they combine an efficient fuel-saving operation with a minimum of service requirements and downtime.

**Konutherm BV at Europort:**  
Stand 7203



The Konutherm heat transfer systems are commonly applied on heavy-duty offshore support vessels such as cutter and hopper dredgers, heavy lift carriers, pipe laying vessels and supply vessels

## New maritime group in Poland

MARS Shipyards & Offshore, a new group comprising the Polish maritime companies Energomontaz Polnoc (EPG) and Nauta from Gdynia as well as MSR Gryfia, two recently merged shipyards from Swinoujscie and Szczecin, will

showcase its entire portfolio at Europort.

The core activity of EPG is the manufacturing of complicated steel structures for the offshore sector, power generating stations (including nuclear and renewable power), as well as

for chemical and petrochemical plants. EPG Shipyards, part of EPG, focuses on the repair and conversion of vessels.

Nauta is one of the leading Polish shipyards that specialises in building hulls and vessel, repairs and conversions of civilian crafts

as well as repairs and rebuilding of military crafts. It also produces steel offshore structures.

MSR Gryfia focuses on ship repair and offshore construction.

**MARS Shipyards & Offshore**  
at Europort: Stand 4307



# Exhibition & Conference Programme - Thursday

## THURSDAY, NOVEMBER 7<sup>TH</sup>

### CONFERENCES

- 10:00 - 18:00** **CEDA Forum:** Dredging in a changing world  
Conference Room (registration required)
- 10:00 - 18:00** **Ballast Water Management Conference:**  
From Concept to reality; *North Sea Ballast Water Opportunity*  
Dock 5+6 | Congress & Meeting Centre (free of charge/registration required)
- 10:45 - 13:00** **Advanced Technology Conferences Offshore:**  
Going into the Deep; *Ahoy in conjunction with HME*  
Europort Theatre (free of charge)
- 14:00 - 16:15** **Advanced Technology Conferences Inland Navigation:**  
Pioneering with LNG; *Ahoy in conjunction with HME*  
Europort Theatre (free of charge)

### SEMINARS AND MEETINGS

- 13:00 - 17:00** **Seminar 'Green Technologies':**  
*RETROFIT and GRIP*  
Dock 4 | Congress & Meeting Centre (free of charge)

- 13:30 - 17:00** **Seminar Energy Efficiency & Operational Management;** *Lloyd's Register*  
Dock 3 | Congress & Meeting Centre (free of charge/registration required)
- 10:00 - 18:00** **Seminar with theme 'Pioneers in Maritime Technology';** *Hydrographic Society Benelux*  
Atrium | 1st floor corridor of Hall 7&8 (free of charge)

### ACTIVITIES

- Continuous** **Green Route;** *Ahoy in conjunction with HME*  
Exhibition Floor
- Continuous** **Job Route;** *Navigo*  
Exhibition Floor
- 12:00 - 14:00** **Young Ship Network Lunch with speech of Birgit Liodden;** *WISTA*  
Port 2 | first floor Ahoy Plaza (registration required)
- 12:30 + 16:00** **Live presentation of Royal Netherlands Navy;**  
Theme: Managing Damage Control; *Imtech*  
Booth no. 1124
- 13:00 - 14:00** **Social Media Café consultation;** *Holland Shipbuilding Association*  
Holland Lounge | Maritime by Holland Pavilion (Hall 1)
- 18:00** **Networking reception;** *Holland Shipbuilding Association*  
Holland Lounge | Maritime by Holland Pavilion (Hall 1)

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**Ahoy.**  
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Aerial view of the shipyard in Varna, Bulgaria

## Shipbuilding in Bulgaria

MTG-Dolphin PLC will be presenting its range of shipbuilding and ship repair services. The Bulgarian shipyard, which was established in 1991 as the first private shipyard in Varna, specialises in the building and repair of dredgers of different types. The production and resource capacity of the yard enables construction of vessels up to 17,500 dwt and repair of vessels up to 60,000 dwt, using two

floating docks with lifting capacities of 18,000 and 8,500 tonnes, respectively. The yard also has 70 cranes with a lifting capacity of up to 80 tonnes and four berths for vessels of up to 80,000 dwt. Working successfully with Dutch companies, MTG-Dolphin said the event in Rotterdam was naturally the right place for the shipyard to find new partners.

**MTG-Dolphin PLC**  
at Europort: Stand 1503

## Pump solutions

Eteha bv - Slangtechniek will present its entire Flygt programme, offering its customers a complete package of pump solutions. Flygt Ready pumps handle flows up to 6.5 l/s, heads to 14m and solids to 38mm in diameter. Available with power ratings from 0.4 to 0.9 kW, these portable drainage pumps are lightweight and engineered for professional use at construction or industrial sites and in manholes or emergency situations, the Dutch company said. The smallest of the Flygt electric submersible dewatering pumps, the Ready series has been designed to easily withstand tough jobsite use, removing contaminated water and water containing sand and gravel.

Built with a compact motor and lightweight materials, Ready pumps are easy to carry, install and service, the manufacturer noted. The cast aluminium outer casing, stator housing and polyurethane hydraulic parts make Ready pumps durable in tough environments. They are said to deliver professional-level performance and higher wear resistance in a compact size. Ready pumps are designed with a removable top that allows quick access for cable changes and component replacements. The hydraulic end is made for simple and quick replacement of wear parts and seals.

**Eteha bv - Slangtechniek**  
at Europort: Stand 6121

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Second exhibition day



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@Europort2013

A deal for 12 cranes was signed between Double D marine equipment b.v. and Neptune Shipyards B.V. on #Europort



@XanderScheffel

Very promising first day of #Europort2013 bright future for the Dutch maritime industry #schmittrotterdam



@Scheepsbouw

Don't forget to stop by at the @Maritime-Holland Pavilion for the Networking Reception 7 Nov. 18.00-21.00 hours @Europort2013 #Europort2013



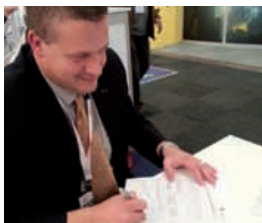
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It is busy at the network reception in the Romanian pavilion #Europort. There are 16 pavilions on the floor, from all over the world!



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# Daily News

## SMM Daily News

The 26<sup>th</sup> Shipbuilding, Machinery & Marine Technology International (SMM) trade fair will be staged at Hamburg Exhibition Centre from September 9<sup>th</sup>-12<sup>th</sup> 2014. Leading shipbuilding companies and maritime equipment suppliers will present many innovations at this SMM. As usual, DVV Media will produce the daily trade fair newspaper **SMM Daily News** from Tuesday to Friday!



### Concept & facts you should know:

The **SMM Daily News** will appear every show day and will be distributed daily to visitors and exhibitors at the SMM. At breakfast time, the SMM-Daily will provide the latest news from the maritime industry to the international trade fair visitors in English language straight from the printers.

#### Facts

- Advertisers and sponsors will benefit from 10,000 distributed copies per day
- Distribution before and during the trade fair
- In the morning the newspaper will be distributed at 20 hotels accredited to the Hamburg trade fair
- This is your way to reach 53,000 visitors and more than 2,000 exhibitors

### Bookable days are:

- Tuesday, September 9<sup>th</sup> 2014
- Wednesday, September 10<sup>th</sup> 2014
- Thursday, September 11<sup>th</sup> 2014
- Friday, September 12<sup>th</sup> 2014

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