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FOREWORD BY
YANNIS CALOGERAS

UK & Ireland Marine Chief Executive



On 11-15 September the maritime world will gather together for London International Shipping Week, fast becoming one of the major events on the industry's calendar.

This year's theme is "Tomorrow's Maritime World", with conferences exploring the future via five key topics: Prosperity, Industry Professionals, Business Solutions, Environment and Partnerships. These topics closely match our focus at Bureau Veritas in the past year. Against a difficult backdrop, we have focused on adding value to our clients' business, increasingly via innovative digital tools such as our 3D modeling and plan approval tool. We have worked to provide intuitive solutions for compliance with environmental regulations such as the BWM Convention and EU MRV. And we have continued to nurture talent, both via our partnerships with universities and by training our young employees for a future in the marine industry.

As proud sponsors of LISW17, we will be in strong attendance, with around 20 experts from Bureau Veritas and group companies representing our full range of classification and advisory services. We look forward to seeing you in London!

yannis.calogeras@uk.bureauveritas.com

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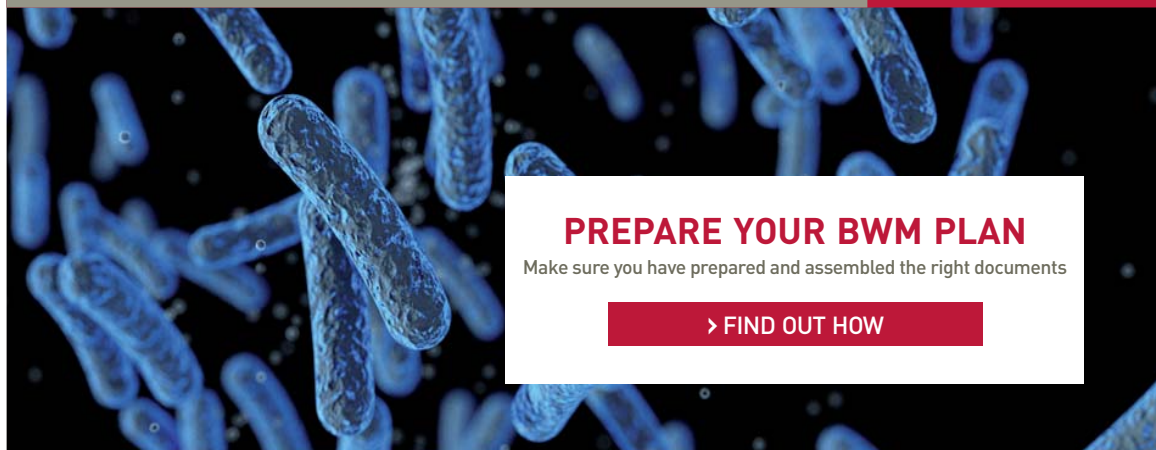
BUREAU VERITAS

My BWMP

Manage D-1 Regulation Online

BALLAST WATER MANAGEMENT

ORDER NOW



PREPARE YOUR BWM PLAN

Make sure you have prepared and assembled the right documents

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BUREAU VERITAS LAUNCHES 'MY BWMP' - A SOLUTION BRINGING E-BUSINESS TO THE CLASS BUSINESS

As the Ballast Water Management (BWM) Convention's D1 September 8th deadline looms, ship owners must secure international BWM Certificates and approved BWM plans for their ships. Bureau Veritas is addressing the challenge with a fast, effective and straightforward platform - 'My Ballast Water Management Plan' (My BWMP).

My BWMP provides ship owners with immediate online quotations, the ability to pay online, to submit their documents and then receive their approved BWM plans. My BWMP also enables Bureau Veritas to manage the high volumes to be processed within a very short time-frame. My BWMP is easy and it provides a rapid process for entering the required details for individual ships or fleets to secure a tailor-made quotation and enable the required

documents to be submitted by a client ship owner or ship manager.

Philippe Donche-Gay, President of Bureau Veritas Marine & Offshore said, "We wanted to provide owners and managers with a fast, practical resource to help them to meet the 8th September deadline with confidence and help ensure that we can manage the volume of work within the necessary time-frame. My BWMP brings e-business to the class business and we are also now looking how it can be extended to provide further services giving access to our expertise in other areas."

My BWMP will also provide technical, regulatory and commercial information and content related to the BWM Convention.

tihomir.kezic@bureauveritas.com



DEDICATED SERVICE



Philip Fullerton
Managing Director
Northern Marine

Philip Fullerton's career has tracked the success of the company he now heads. He joined Northern Marine in 1995 as a young seagoing engineer. Now, 22 years later, Philip is Managing Director. Northern Marine manages over 100 vessels, the majority on behalf of external clients.

Philip rose up through the ranks, first as a seagoing engineer sailing on tankers then later in shore based ship management.

"It wasn't an easy decision to swap the sea for an office role, but the company's view on the future was very exciting and looking back it was certainly the right move." Philip now oversees Northern Marine's entire business. This covers not only fleet management, but marine and offshore services and a growing recruitment, manpower and training offer.

Running Northern Marine on a day-to-day basis means living by parent company Stena's maxims of safety and quality – which crucially includes high quality customer service. *"Stena demands a safe, quality, reliable and cost-effective service with the same strong commitment to environmental protection as it shows to safety. This level of service is our standard. Whether internal clients or external clients we deliver the same level of service."* This is how, over the years, the company has come to rely on Bureau Veritas. *"We see management system based certification as a way to inspire confidence in our customers, and in our customers' customers."*

Bureau Veritas helped us put in place a quality standard for both our fleet and our office back in the early 1990s, at a time when few companies were thinking that way." Bureau Veritas has acted since then as an accreditation body for Northern Marine's ISM and later, ISPS Code compliance. It also supported the company in becoming an early adopter of ISO 14001, then ISO 50001.

"Bureau Veritas was instrumental in helping us become the first ship management company to take energy management from a shore environment to a marine environment."

Philip explains how Bureau Veritas has also supported development of the company's training business, via certification of the quality management system of its Marine Simulator Center in Glasgow as well as certain courses.

"Training is a big focus for us, so it's important that it's delivered by competent skilled staff in a high quality facility."

Finally, Philip values the teams at Bureau Veritas for their technical expertise: three of the LNG carriers and several Suezmax tankers and ferries managed by Northern Marine are built to BV class. "Bureau Veritas has strong know-how, particularly in LNG, making their input as a classification society very valuable. We have clear conversations with them, and we respect the opinions they provide."

www.nmm-stena.com

MY CHRONOS OPTIMIZES SURVEY PLANNING

My Chronos, a digital tool to improve survey scheduling efficiency is now live! An integrated online tool, it provides visibility on surveys for all stakeholders: owners, ship personnel, Bureau Veritas planners and surveyors.

My Chronos manages the scheduling process from beginning to end. As soon as a client books a request, it automatically identifies surveyors who are close to the ship and are qualified and available to perform the visit. Thanks to the My Chronos mobile app, the chosen surveyor can access and manage his or her appointments schedule anytime,

anywhere, ensuring that appointments are kept. The tool has been used within Bureau Veritas since the beginning of April in nine pilot countries: wider roll-out is now underway.

Looking ahead, future releases of My Chronos will include additional features aimed at improving interactions with shipowners. These include providing the real time status of survey requests, and further optimizing scheduling by taking into account vessel routes. This will be done via interactions with shipowners' fleet management systems and marine traffic web sites.

jerome.faire@bureauveritas.com



VERISTAR LASHING 3.0

Bureau Veritas has launched a new, re-engineered version of its VeriSTAR Lashing software to meet the requirements of its revised Rules for Container Ships (NR 625).

A key focus of the software development was on creating a fast and user-friendly process that enables easy assessment of container securing and locking devices against BV Rules.



With VeriSTAR Lashing 3.0 users can analyze complex lashing configurations (external, internal or mixed lashing systems). This analysis takes into account acceleration values defined in NR 625; the roll reduction factor if the ship is equipped with an anti-roll tank or a stabilization system; and horizontal and vertical twistlock gaps. It also checks strength criteria including stack reactions, loads in container fittings and lashing rod effort versus safe working load.

olivier.degrand@bureauveritas.com

TMC MARINE LAUNCHES ERS PREMIUM SERVICE



A new emergency response service (ERS) from Bureau Veritas group's TMC Marine goes well beyond statutory regulatory emergency response requirements. The ERS Premium service delivered by TMC Marine's team of experts, provides second party services that include: selection of salvage contractor and rules and rates for engagement; casualty attendance; selection of salvage contracts; review of salvage plans; creation of, and management of, casualty computer models; selection of ports of refuge; and support of incident management with the contracted party and with stakeholders and authorities.

A first ERS Premium contract has been signed with J. Lauritzen A/S.

ajb@tmcmarine.com

BUREAU VERITAS CLASS APPROVAL FOR DAMEN GREEN SOLUTION'S MOBILE INVASAVE 300 – A SINGLE – PASS BALLAST WATER TREATMENT SOLUTION

InvaSave 300 is the world's first external ballast water treatment unit designed primarily for use in ports. The system receives ballast water from inbound vessels and treats it to the IMO D-2 standard to eliminate potentially invasive marine micro-organisms. It can also deliver treated water to the same standard to outbound vessels. Its mobile, containerized format means that it can be operated from the dockside or from onboard a vessel alongside.



Bureau Veritas was involved in the project from the design review stage through to tests confirming conformity to the IMO's Ballast Water Convention requirements. BV provided support and design review services to help ensure that class rules, flag state requirements and environmental standards would be met, culminating in attestation for the Bureau Veritas type approval testing and certification by the Netherlands administration.

Herman Spilker, Vice-President, North Europe Zone for Bureau Veritas, said, "Damen had the vision for an alternative approach to the ballast water treatment challenge. Our experts were able to guide them through the steps necessary to meet our class requirements as well as the regulatory standards to help them develop a commercial solution."

MariFlex, the liquid cargo handling experts, are the commercial operator of the first operational unit at Delfzijl and Eemshaven in The Netherlands.

Philip Rabe, responsible for InvaSave sales at Damen, commented: "We're delighted that the Damen InvaSave is operational in a commercial environment. It is a unique product and, in many cases, it enables ports to offer vessel owners a viable and cost-effective alternative to retrofitting on-board systems. And, in the event of failure of an onboard system, ports can offer owners a means by which they can access ballast water treatment at short notice, ensuring minimal downtime."

vincent.avontuur@nl.bureauveritas.com

NEWS IN BRIEF...

■ **With a growing number of hybrid vessels entering service**, Bureau Veritas has developed rules for energy storage systems (ESS). New class notations relating to power management, power back-up and zero emissions standards aim to encourage safe adoption of ESS, which can be used to reduce emissions. ESS can also provide peak shaving, power smoothing and power for DP operations, enabling operators to operate efficiently

■ **The latest version of IACS Common Structural Rules** for Oil tankers and Bulk Carriers that entered into force on July 1, 2017 is now accessible in an erules format on the VeriSTAR website. The erules version enables users to easily navigate the Rules, and search and find the information they need quickly. Visit <http://erules.veristar.com> to access the IACS Rules, alongside a range of Bureau Veritas classification Rules.



NEW RULES FOR OSVS AND TUGS

Bureau Veritas has issued new rules covering offshore service vessels (OSVs) and tugs, including offshore construction and support vessels. The rules, which entered into force on July 1st, 2017, set out technical requirements for a wide range of offshore activities: towing, anchor handling, supply, fire-fighting, oil recovery, cable laying, diving support, lifting, heavy lift transportation, standby and rescue. They also include new class notations for pipe laying and accommodation.

gijbert.de-jong@bureauveritas.com

POLAR LOGISTIC VESSEL DELIVERED TO FRENCH NAVY



Piriou has delivered the *Astrolabe*, a BV-classed icebreaking patrol and logistics vessel to be used by the Navy in the French Southern and Antarctic Territories (TAAF) from the second half of 2017. The 72m-long vessel forms part of the Polar Logistic Vessel program. It can accommodate 1,200 tons of freight, up to 60 people, and a helicopter. Based in Australia, it will also serve scientific bases in Antarctica.

florian.geiss@bureauveritas.com

BUREAU VERITAS AND ASCENZ SIGN SHIP PERFORMANCE AGREEMENT



Bureau Veritas and Ascenz have joined forces via a ship performance agreement that includes EU MRV compliance. Ascenz solution Shippulse captures critical shipboard data including fuel consumption, bunkering activity, engine, hull and propeller performance. In bringing accurate critical performance information to shipowners, it enables better decision-making, fuel savings and optimized vessel performance. Bureau Veritas, in turn, provides data analysis services including trim, weather routing, energy efficiency and environmental performance optimization.

tihomir.kezic@bureauveritas.com

SIEM CICERO CAR CARRIER DELIVERED

Croatia's Uljanik shipyard has delivered the *Siem Cicero*, the first car carrier classed by Bureau Veritas in the country, on behalf of Auto Marine Transport. The Pure Car and Truck Carrier (PCTC) can accommodate 7,000 cars across thirteen decks, the top three of which are made of composite material. The vessel is also equipped with an Exhaust Gas Scrubber and Ballast Water Treatment. It will be operated by Siem Ship Management.

marko.moric@hr.bureauveritas.com



CONTACT FOR VERISTAR NEWS MARINE

Nick Brown: 33 (0) 1 55 24 78 78
nicholas.brown@bureauveritas.com

Annie Lavrencic: 33 (0) 1 55 24 72 29
annie.lavrencic@bureauveritas.com

Bureau Veritas Marine & Offshore, 8 cours du Triangle, 92937 Paris La Défense Cedex, France - www.bureauveritas.com - www.veristar.com

