



## NEWS FROM FORUM OKRĘTOWE MEMBER COMPANIES

### NEWBUILDINGS

#### First steel cutting and keel laying for the first of Canadian ferry trio



BC Ferries delegation after the ceremony.  
Photo: G. Landowski



President Mike Corrigan at the hull section with the lucky coin...  
Photo: G. Landowski

First steel cutting for the construction of modern, car-passenger ferry ordered by Canadian Owner - the largest ferry operator in North America and the second largest in the world - commenced in official ceremony at Remontowa Shipbuilding, member of REMONTOWA Holding capital group, on 16th of January 2015. The „first steel cutting” is the milestone ending the phase of technical investigations, as well as starting real construction of the ship, so it is not surprising that the ceremony was attended by numerous representatives of BC Ferries from Canada.

The above was followed by the symbolic „keel laying” and „lucky coin” on March 5, 2015. The beautiful Canadian Silver Dollar coin was welded into place in the hull for its service life by vice president, engineering, BC Ferries - Mr. Mark Wilson. The coin is commemorating the 50th Anniversary of the Canadian Maple Leaf as the official flag of Canada.



...that was a silver Canadian dollar.  
Photo: G. Landowski



The coin was welded in by vice president Mark Wilson.

The ceremony was attended by representatives of the Owners, BC Ferries, headed by President and CEO - Mr. Mike Corrigan.

The contract for three vessels, signed at the end of 2014, is being executed as a result of completion of an extensive competitive bidding process to build three new intermediate class vessels. In the race to obtain the contract the Gdansk based yard of REMONTOWA Holding has beaten rivals from Norway, Germany, Canada and Turkey. Beyond doubt, a vital factor was Remontowa Shipbuilding's vast experience in building car-passenger ferries. So far the Yard has built more than 30 vessels of this type, half of which is powered by LNG.

The contract includes not only design, construction, outfitting and carrying out of complete trial program but also delivery of the vessels to the home port as well. The first vessel is to be completed in the third quarter of 2016.

Each of the vessels will be capable of taking 150 personal cars and 600 passengers on board. The vessels were designed from scratch by the naval architecture and marine engineering consultancy Remontowa Marine Design & Consulting (RMDC), member of REMONTOWA Holding. The ships will comply with rules and regulations of both the classification society i.e. Lloyd's Register, who will supervise the building process, and the government agenda i.e. Transport Canada.

The two first vessels are to sail between Comox and Powell River of Tsawwassen - Southern Gulf Islands route while the third will sail during season on Southern Gulf Island route or will replace other vessels operated by BC ferries during their repair.

**Video report from the event is available through clicking:**

<http://www.portalmorski.pl/tv/filmy/stepka-pod-budowe-promow-dla-kanady/>

## SHIPREPAIRS AND CONVERSIONS

### **Green Ship Technology (GST) Award 2015 goes to Stena Line's methanol project with *Stena Germanica's* propulsion system converted to methanol fuel at Remontowa SA**

What is publicized as the world's first ship running on methanol - the large ro-pax ferry *Stena Germanica*, left the Polish Remontowa Shiprepair Yard on March 24, 2015. Then *Stena Germanica* sailed to the Port of Kiel, from which she commence to serve her duties on the Kiel-Gothenburg route from late March.

Stena Line has received an award for its efforts in converting the *Stena Germanica* to run on methanol. The accolade „Shipowner of the Year” was awarded at this year's Green Ship Technology Conference (GST), held in Copenhagen on 11-12 March 2015.

The prize is awarded for „innovative new technology presented since 1 January 2014 that represents an advance for the marine environment” and the jury selected the conversion of the *Stena Germanica* on the grounds that it was „a strong 3rd alternative that is developing to meet the specific challenge of sustainable



*Stena Germanica* during the conversion.  
Photo: J. Uklejewski



The ferry departing from Remontowa SA yard.  
Photo: J. Uklejewski

sea transport within the ECA”. Green Ship Technology Award is a prize instituted by „Lloyd’s List” (Informa) events to recognize efforts in maintaining the marine environment and mitigating the environmental effects of the shipping industry.

The conversion of *Stena Germanica*, which serves the route from Gothenburg to Kiel on weekdays, was entrusted to Remontowa SA in Gdansk, Poland. The 240-metre-long ferry will be the first vessel in the world to run on environmentally-friendly methanol.

„We are naturally delighted about the jury naming our methanol project as the winner of this year’s GST Award. It is an important project, both for us as a company and for the entire industry, as we need more long-term sustainable fuel alternatives in order to remain competitive. We want to thank our partners Wärtsilä, Methanex, the Port of Gothenburg and the Port of Kiel”, says Carl-Johan Hagman, CEO of Stena Line.

The conversion of the *Stena Germanica*’s engines, performed at Remontowa SA, has involved collaboration between Stena Teknik and Wärtsilä. The technology is so-called „dual fuel” and uses methanol as the principal fuel, but with the possibility of using MGO (Marine Gas Oil) as a backup. The total project cost is around EUR 22 million and the project is being supported (co-financed) by the EU’s „Motorways of the Seas”.

The other nominees were GAC (EnvironHull for HullWiper), NAPA and ClassNK (Green Monitoring and Green Optimisation) and MAN Diesel & Turbo (De-rating: slow steaming optimization with de-rating and propeller upgrade).

Methanol is a colourless liquid that can be produced from natural gas, carbon, biomass or even CO<sub>2</sub>. Using methanol reduces emissions of sulphur (SO<sub>x</sub>) by roughly 99 per cent, nitrogen (NO<sub>x</sub>) by 60 per cent, particles (PM) by 95 per cent and carbon dioxide (CO<sub>2</sub>) by 25 per cent compared with international bunker fuels.

It is worth mentioning that it is already second instance of REMONTOWA Holding member company to be involved in the project awarded with Green Ship Technology Award.

Remontowa Shiprepair Yard SA, as the main contractor, was awarded with Green Ship of the Year title for its *Moldefjord* double-ended LNG powered ferry built for Fjord1 MRF at Remontowa Shipbuilding (member of REMONTOWA Holding) in 2010.

### ***Bomar Victory* under repairs in stages after collision at terminal in Gdansk**

Early March the container feeder vessel *Bomar Victory*, alongside at DCT Gdańsk terminal and under loading / discharging operations, suffered some damages from another ship passing by during its approach to the quay and pushed by a sudden gust of wind. At that time *Bomar Victory* had its deck cranes jibs swung out over the water (opposite to quay side) to enable loading/discharging by terminal ship to shore container cranes.

Feeder container vessel *Petkum*, on its approach to berth at terminal, was pushed by strong wind towards moored *Bomar Victory*, so as the latter had its two (out of three existing) deck cranes damaged. One of the



*Bomar Victory* at the Vistal Gdynia SA quay.  
Photo: P. Stareńczak

jibs of these cranes (the fore one) was forced to swing some 30 degrees angle breaking its blockade (turning brake). After initial repair works performed in Gdynia (where the ship arrived at ship repair yard partially loaded with cargo), *Bomar Victory* sailed in March 10 to St. Petersburg. The repairs on *Bomar Victory* are contracted to Vistal Shiprepair Yard Ltd. Two columns and jibs of deck cranes (midship and fore units) have been disassembled and stored at the Yard in addition to some steelwork performed so far at Vistal. The Yard awaits the ship's come back expected to take place soon - when spare parts arrive. The cranes will be then installed back on the feeder container vessel, which is deployed on Maersk's SeaGo Line L27 container feeder service (Baltics Link 1) with rotation as follows: Gdansk - St. Petersburg - Ust Luga - Riga / Klaipeda - Gdansk.

## OFFSHORE WIND

### New super roll bending machine for thick plates to enable doubling of wind turbine towers production in Gdansk



The ceremony of the roll bending machine start-up at Gdansk Shipyard on March 3, 2015.  
Photo: G. Landowski

On March 3, 2015, Stocznia Gdansk SA (Gdansk Shipyard) saw the ceremony of start-up of the modern machine for rolling thick (up to 120 mm) steel plates, worth over EUR 1 million and being one of the largest such devices in Poland, as well one of the largest ones in Europe. The unit has been purchased to enable production of large sections of wind turbines towers. The roll bending machine of MCB 3090WT type is the first component of the new production line, to allow GSG Towers to double its current production output of 14 per month for wind turbine towers and is also the single largest investment since 2010 in the area of Gdansk Shipyard.

Rolled sections to be manufactured with use of the new machine will have up to 50 m in length and 6,5 m diameter. In the second half of 2015 manufacturing of 8 m diameter sections will be possible. The four

roller, numerically controlled machine weighs 156 tonnes. It can roll steel plates up to 3 m wide in coils of 990 up to 8500 mm, both in cylinder and cone shapes.

**Video report from the event is available through clicking:**

<http://www.portalmorski.pl/tv/filmy/super-zwijarka-w-stoczni-gdansk/>

## **RINA-Korab Student Award 2015 presented**



Agnieszka Piekło - the winner of The 2015 RINA-Korab Student Naval Architect Award with representatives of RINA and TOP Korab - Trevor Blakeley and Jerzy Czuczman.

**Photo: P. Stareńczak**

This was the tenth edition of RINA-KORAB Award. For the first time in RINA-Korab Award history the winner came out to be a woman. Also for the first time, one of the speakers was giving a presentation from a distance through live telecom link.

## **Transport Week 2015 with green newbuildings and ship upgrades in focus**



Attendees of Transport Week 2015 at Remontowa Shiprepair Yard SA in Gdansk.

**Photo: G. Landowski**

Second day of the Transport Week concentrated on changing dynamics of European transportation and trade. An overall market dynamics analysis was presented by Dr. Maciej Matczak (Head of Consulting Department at Actia Forum), who pointed out that the gap between developed and developing countries is to decrease. The growth tempo of CEE countries is about to boost by 2019, while maritime sector does not seem to grow or decline dramatically. An overview on climate change impact on European trade and transport was given by Konstantinos Alexopoulos from UNECE (United Nations Economic Commission for Europe),

On March 19th, 2015, there were four final year projects presented by graduates of the Faculty of Ocean Engineering and Ship Technology at Gdansk University of Technology nominated for The 2015 RINA-Korab Student Naval Architect Award.

The Committee comprised of RINA and TOP Korab representatives adjudged „Evaluation of the accuracy of ship resistance prediction methods including Computational Fluid Dynamics - case study” by Agnieszka Piekło (MSc Eng) to be the best presented thesis.

The other nominees were:

- Wojciech Fiłonowicz, for „Analysis of the structural response of the Lower Riser Package module during the landing on underwater production head”,
- Blanka Golecka, for „Application of Strain Measurements in the Experimental Modal Analysis”,
- Anna Wierzbicka, for „The influence of oversizing a fillet weld thickness to amount of welding angular distortion.”.

The 5th edition of Transport Week, one of the most important transport events in Central and Eastern Europe, took place on March 17-19th 2015 in Gdańsk, Poland. This year’s event brought many compelling questions from the audience and vivid debates followed by individual conversations between invited experts and guests.

European container market, advances in transport infrastructure and environmental challenges in shipping were the three main issues brought up at Transport Week 2015. This year’s thematic scope has been broadened by topics referring to the current situation in Russia which has had indeed a real impact on European ports turnover not only due to the war in Ukraine, but also the depreciation of rouble and increase of freight costs resulting in the overall decrease of Russian imports.

who indicated the need of adjusting modern infrastructure to answer needs resulting from indeed changing climate.

The SECA is real now - first implications of sulphur limit BPO meeting included the shipowners compliance strategies - recent status and development, as well as an overview of introduced monitoring, sanctions and penalties systems, first market reaction and freight price effect after introducing the Sulphur Directive on 1st January, 2015. Since the current low fuel prices, coming into force of the new law was way less problematic and that it would be the previous year and the mostly affected shipowners and terminal operators have now some time to make the right investment decisions. The panelists that submitted first outcomes after introducing the new regulation were: Nariné Svensson (Swedish Transport Agency, Civil Aviation and Maritime Department), Sergio Alda (Marine Environment & Port State Control, EMSA) and Henning Mohn (DNV GL) during a discussion panel moderated by Bogdan Ołdakowski (Secretary General at Baltic Ports Organization), who then on behalf of the BPO invited conference participants for a study tour to Remontowa Holding.

During evening Transport Week 2015 cocktail party, the team of the Baltic Transport Journal has presented for the third time the Baltic Trendsetters Club Certificates, awarded to those who drive the Baltic Sea region in the constructive way by undertaking daring and bold actions which have long-standing effects on the transport & logistics industry. Lithuania's LNG terminal Independence, Rail Baltica joint venture, Umeå and Vaasa ports united into Kvarken Ports, Port of Gdynia Authority and DFDS Seaways and Finnlines were among awarded - the latter two companies for their extensive programme of investments in retrofitting their ships with scrubbers, with many of these installations performed at Remontowa Shiprepair Yard SA in Gdansk.

Third, last day of the Transport Week 2015 focused on two parallel conferences: Advances in transportation technology – Innovation/Clean Shipping/LNG and Clean Air in Ports. Dr. Reinhard Pfliegl (A3PS) gave an introduction on Mobility Governance as a more holistic approach to sustainable transport in Europe. Lamia Kerdjoudj-Belkaid (FEPORT) said about the necessary investments in European terminals to meet the environmental challenge, while Isabelle Ryckbost (European Sea Ports Organisation) talked about the financial, infrastructural and technological aspects concerning the newly came-into-force Sulphur directive. Transport innovation vs European transport system efficiency and competitiveness (clean shipping & ports, R&D, environmental regulation, societal aspects, TTIP) panel gathered representatives from crucial European institutions: Remi Mayet (European Commission), Malte Siegert (NABU), Eduarcho Chagas, (ETF) and Lamia Kerdjoudj-Belkaid (FEPORT), followed by a workshop on Infrastructure for LNG bunkering in Europe; LNG distribution, how can the fuel change shipping (overview, funding, EU projects, LNG fleet; LNG for land transport) led by Emil Arolski (LNG in Baltic Sea Ports).

In line with the above themes, i.e. reduction of SOx emissions either by using scrubbers or implementing LNG propulsion, the technical visit organized during Transport Week 2015 fitted perfectly.

The study tour covered Remontowa Shiprepair Yard SA and Remontowa Shipbuilding SA. The first one is among the pioneers and market leaders in scrubbers retrofitting, while the other one is one of the world leaders in building LNG fueled ships, especially ferries. The attendees of the study tour were hosted by the representatives of the management of Remontowa Holding and both shipyards, who gave presentations of the most interesting projects and guided guests through both yards.

## **Norwegian-Polish Maritime Dinner**

Tuesday, 24th March 2015, was a date that gained its significant place in the Norwegian-Polish maritime business cooperation. For the special invitation of the Ambassador of Norway, His Excellency Mr. Karsten Klepsvik, Polish and Norwegian representatives of maritime economy – shipyards, enterprises, organizations, as well as government and self-governments - have gathered in Hilton hotel in Gdańsk at the Norwegian-Polish Maritime Dinner, to meet and discuss perspectives of growing business together.

Year after year, the business cooperation between Norwegian and Polish stakeholders experiences the steady growth. It is reflected mainly in the areas such as: modern technologies, high quality of projects, as well as the concern for the ecological aspects of offshore and fishing.

Several speakers at this event endorsed the support given to the development of business contacts between Polish and Norwegian companies by the maritime industry associations from both countries.

This year, we will experience several events similar to the Norwegian-Polish Maritime Dinner. They all aim at supporting the existing business contacts between maritime sectors of both countries, as well as creating



Ambassador Karsten Klepsvik (left) and trade counsellor Piotr Dudziński from Norwegian Embassy in Poland.



The guests listened to the presentation on Norwegian-Polish co-operation with much attention.

new ones. Both Mr. Piotr Dudziński from the Commercial Counsellor's Office, Royal Norwegian Embassy, and Mr. Marek Witecki from the Warsaw Exhibition Board - the BALTEXPO organizer - mentioned that of the remaining two events, one is planned to be held in Oslo during Nor-Shipping exhibition, whereas the other will be held at BALTEXPO 2015.

BALTEXPO and its organizers are always ready to support and host initiatives aiming at strengthening business links between Poland and Norway, said Mr. Witecki.

**Video report from the event is available through clicking:**

<http://www.portalmorski.pl/tv/filmy/norwegian-polish-maritime-dinner-2015/>

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Uphagena 23, 80-237 Gdańsk  
phone: (+48) 58 345 82 89  
www.forumokretowe.org.pl  
e-mail: forum@forumokretowe.org.pl

ZWIĄZEK PRACODAWCÓW  
**FORUM OKRĘTOWE**  
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