



ZWIĄZEK PRACODAWCÓW
FORUM OKRĘTOWE
ASSOCIATION OF POLISH MARITIME INDUSTRIES



NEWSLETTER JUNE 2018

*We wish you sunny days,
high spirits, respite and
rest apart from everyday
duties and bon voyage...
Forum Okrętowe*



NEWS FROM FORUM OKRĘTOWE MEMBER COMPANIES

NEWBUILDINGS

Shipbuilding and ship orders at Polish shipyards in 2017

Forum Okrętowe presents information on the production and orderbook of shipyards in Poland in 2017, worked out in cooperation with Portal Morski (www.portalmorski.pl).

According to the findings of Forum Okrętowe and Portal Morski - Polish yards delivered 12 fully outfitted vessels (with a gross tonnage of over 100) with a total gross tonnage (GT) of 69,553 units and compensated gross tonnage - 94,212 CGT.

Let us recall the same number of ships or other floating units (12) were delivered from Polish shipyards in 2016, but their total gross tonnage (38 883) was smaller (by about 44%) then, and total compensated gross tonnage (68 004) was also lower (by almost 28%).

At the end of 2017, Polish yards had a newbuilding portfolio for fully outfitted vessels containing 18 vessels (with gross tonnage of 100 or above) with a total gross tonnage (GT) of 75,778 units and compensated gross tonnage of 105,660 CGT. Thus, compared to the end of the previous year, the order portfolio decreased by three units. The total gross tonnage of fully equipped ships ordered in Polish shipyards as at the end of 2017 was also slightly lower (by approx. 7%) than a year before (81,739), so was compensated gross tonnage - lower (by almost 33 %) from the amount recorded in 2016 (140 214 units).

Please, find information on production and orders at the end of 2017, broken down by ship type.

Fully outfitted vessels delivered in 2017 (with gross tonnage over 100)			
Ship types	No. of ships	GT	CGT
1. Oil tankers (single skin)	-	-	-
2. Oil tankers (double skin)	-	-	-
3. Product and chemical tankers	-	-	-
4. Bulk carriers (excluding combination carriers)	-	-	-
5. Combined carriers	3	18 952	18 038
6. General cargo vessels	-	-	-
7. Reefer vessels	-	-	-
8. Container vessels and fast liner cargo vessels	1	10 537	10 332
9. Ro-ro vessels	-	-	-
10. Vehicle carriers	-	-	-
11. LPG carriers	-	-	-
12. LNG carriers	-	-	-
13. Ferries	6	36 384	56 474
14. Passenger vessels	-	-	-
15. Fishing vessels	-	-	-
16. Other non cargo carrying vessels	2	3680	9278
TOTAL	12	69 553	94 122

Information worked out by Forum Okrętowe in co-operation with Portal Morski (www.portalmorski.pl).
Caution: ship types classification in line with SEA Europe statistical data presentation patterns and with commonly used table of coefficients used in compensated gross tonnage calculation.

Orderbook for fully outfitted vessels (with gross tonnage above 100) as of end of 2017			
Ship types	No. of ships	GT	CGT
1. Oil tankers (single skin)	-	-	-
2. Oil tankers (double skin)	-	-	-
3. Product and chemical tankers	-	-	-
4. Bulk carriers (excluding combination carriers)	-	-	-
5. Combined carriers	-	-	-
6. General cargo vessels	-	-	-
7. Reefer vessels	-	-	-
8. Container vessels and fast liner cargo vessels	-	-	-
9. Ro-ro vessels	-	-	-
10. Vehicle carriers	-	-	-
11. LPG carriers	-	-	-
12. LNG carriers	-	-	-
13. Ferries	4	60 400	58 445
14. Passenger vessels	2	2388	10 637
15. Fishing vessels	7	11 490	29 252
16. Other non cargo carrying vessels	5	1500	7325
TOTAL	18	75 778	105 660

Information worked out by Forum Okrętowe in co-operation with Portal Morski (www.portalmorski.pl).
Caution: ship types classification in line with SEA Europe statistical data presentation patterns and with commonly used table of coefficients used in compensated gross tonnage calculation.

Stocznia Wisła built structures for the Meyer Turku yard in Finland

On June 7, 2018, another shipment left the Wisła Shipyard - a bottom block of the aft part of a cruise ship with a part of a stern skeg, loaded on the *TRD Horizon* pontoon-barge (80 × 25 m). It was the first shipment this yard to Meyer Turku in Finland.

Due to the modernization of the fairway on the Wisła Śmiała / Martwa Wisła (Vistula river delta branches), the pontoon with a loaded hull block was towed from the beginning (from the Wisła yard quay) by a sea-going tug *Odys* (34 T bollard pull).

Photo: Stocznia Wisła

SHIPREPAIRS AND CONVERSIONS***Pogoria* undergoing renovation at Gdańska Stocznia Remontowa SA**

Fot.: Sławomir Lewandowski

After an annual absence and forty-four training cruises, *Pogoria* barque, designed by acclaimed Polish naval architect Zygmunt Choreń, returned to Remontowa SA shiprepair yard for a general overhaul and repairs. Earlier, the sailing ship entered the port of Gdynia, where several dozen young sailors disembarked at the Pomeranian quay.

This is not the first visit of this sailing ship at Gdańska Stocznia Remontowa SA. Recently, in 2016 and 2017, the unit underwent typical overhauls prior to longer trips, inspection of all equipment, maintenance of hull, as well as masts and superstructure, similarly to the present stay at the yard. The tall ship is expected to return to sea mid-July.

Pogoria is 40.9 m long, 8 m wide, drafting 3.8 m and reaches a maximum speed of 11 knots, with the crew consisting of 53 people.

The *Spirit of British Columbia* ferry, upgraded at Remontowa SA, returned to its route

Spirit of British Columbia, one of the two largest ships of BC Ferries, the largest ferry operator in North America, was back on its route from 6 June 2018 on, i.e. Metro Vancouver (Tsawwassen) - Victoria (Swartz Bay) connection, following modernization, upgrade and machinery conversion completed in March at the Remontowa SA, and after crossing the Atlantic, the Panama Canal and a passage along the west coast of North America, as well as after the period of shipowner's preparation and familiarization of the crew with the upgraded vessel.

This is the first of two „Spirit” class vessels, on which Remontowa SA, belonging to the Remontowa Holding capital group, converted the propulsion system from traditional to environmentally friendly one, fed by natural gas, stored as LNG. Currently, the ship's engine room is dual fuel, adapted to be fed both with low-sulfur diesel oil and natural gas as the main fuel. After the reconstruction, the „Spirit” class vessels will reduce CO₂ emissions by 12,500 tons per year, which corresponds to the removal of around 2,500 vehicles per year.



LNG road tanker at bunkering station on an enclosed car deck of the *Spirit of British Columbia* ferry.

Photo: BC Ferries

BC Ferries is a North American leader in terms of innovative technologies. *Spirit of British Columbia* is the world's first ferry that can be refuelled from a road tanker on a completely closed car deck (not weatherdeck).

Other elements of the upgrade carried out at Remontowa SA yard included: replacement of navigation equipment, modernization or replacement of drive system components, including reduction gears and propeller blades, as well as steering system and bow thrusters overhauls, installation of modern LED lighting or more efficient ventilation and air conditioning equipment, reducing energy consumption, in addition to installation of four MES (marine evacuation system) stations.

Further to the modification of the propulsion system, passenger areas have been also refurbished and modernized on the ship.

New carpets have been laid on the deck, the furniture covered with new upholstery, all bathrooms renovated, and an additional bathroom built on deck No. 5.

The second, twin ferry - *Spirit of Vancouver* - will undergo upgrade and propulsion system conversion beginning in autumn of this year. It will return to its route next year in the summer season, when the volume of passenger traffic is the highest.

The conversion and upgrade of both ferries at Remontowa SA takes place in line with a contract signed in 2016.

„Spirit” class ships, 167 m long, accommodating 358 passenger cars and 2,100 passengers, capable of transporting them at speeds of up to 19.5 knots, were built in 1993 and 1994 in Victoria and Vancouver, British Columbia, Canada, at Integrated Ferry Constructors yards and have a service life of 50 years (extended to this dimension thanks to reconstruction and modernization performed in Gdańsk).

MARINE EQUIPMENT

Saab commissions HG Solutions to produce components for the Swedish intelligence vessel

Saab has signed a contract with HG Solutions, Gdynia, Poland based division of Norwegian headquartered Hareid Group, to produce and deliver equipment for the Royal Swedish Navy's SIGINT ship (electronic intelligence vessel), currently being built at the PGZ SW (PGZ Stocznia Wojenna) shipyard, being a subcontractor of Nauta yard in this project. The company will be responsible for supplying equipment vital for electrical distribution onboard the vessel.

HG Solutions will produce and deliver bridge- and engine-room consoles, stand-alone and rackmounted distribution panels, and electrical cabinets. These will house electrical breakers as well as automation equipment used to control and monitor important functions within the vessel. This includes equipment necessary to propel and control the vessel inter alia in terms of steering, navigation, and CMS systems.

The SPS project is subject to extremely tough demands on EMC (electromagnetic shock) requirements and HG Solutions demonstrate deep understanding of these requirements during the supplier selection phase.

Saab signed the contract for the construction of the Swedish SIGINT vessel with the Nauta Shiprepair Yard, a part of the Polish Armaments Group (PGZ) in 2017. The keel laying ceremony for the ship took place in June, 2018.

ORP *Kormoran* with the TOP Pomeranian Product statuette



Pomeranian Marshal Mieczysław Struk, president of Remontowa Shipbuilding SA Bartłomiej Pomierski and Wiktor Pilarczyk, president of Polska Press Gdańsk Branch, i.e. publisher of “Dziennik Bałtycki” during the Gala.

Photo: Sławomir Lewandowski

On Thursday, June 21, 2018, “Dziennik Bałtycki”, the largest regional newspaper in Pomerania, organized a ceremonial birthday gala, during which the name of the winner of the “Man of the Year 2017” award was announced, as well as the winners of the Top Manager and Top Product of Pomerania competitions. Among the laureates there were representatives of the maritime industry.

The statuette “TOP Pomeranian Product”, awarded for the mine hunter ORP *Kormoran*, was taken - on behalf of the shipyard Remontowa Shipbuilding SA - by the deputy president of the board, Bartłomiej Pomierski. Let us remind you that the most modern ship of the Polish Navy was selected in a poll by the votes of thousands of “Dziennik Bałtycki” readers.

The ship was designed by Remontowa Marine Design & Consulting, and it was built by a consortium of companies with the Remontowa Shipbuilding yard

from the Remontowa Holding capital group as a leader. It was outfitted with the naval combat management system by OBR Centrum Techniki Morskiej SA in Gdynia.

- ORP *Kormoran* is a modern and innovative ship. This technology was invented entirely in the Tri-City area with the support from local universities, scientific institutions and, of course, owing to the skills of the staff working at Remontowa Shipbuilding - Bartłomiej Pomierski said during the gala, emphasizing that the prize is a proof for the designers, engineers and shipbuilders who built the ship as well as for companies and institutions cooperating in this extremely complex technical project, including OBR CTM SA, Gdańsk University of Technology and many others.

Piotr Soyka among the laureates of “The Ring of the Independence Centennial”



From the left: awarded with “Rings of the Centennial of Independence of the Republic of Poland” - Piotr Soyka - president of the board of Remontowa Holding SA, Gdańsk archbishop Sławoj Leszek Głódź and president of MTG Andrzej Kasprzak.

Photo: Sławomir Lewandowski

During the inauguration of the 15th Baltic Military Expo fair, held on June 25-27, the “Rings of the Independence of the Republic of Poland” were awarded on the initiative of the National Security Assistance Association for services within areas of security, public good, economic development and the image of Poland.

The rings were received by Gdansk archbishop Sławoj Leszek Głódź, Piotr Soyka - President of the Management Board of Remontowa Holding SA and President of MTG Andrzej Kasprzak.

The fair took place in the Amber Expo exhibition and congress center with over 140 companies of 15 countries exhibiting. Apart from Polish companies and institutions, the event was attended by leading manufacturers and suppliers of the latest generation of weapons and military equipment from Belgium, Denmark, France, the Netherlands, Ireland, Canada,

Germany, Norway, Pakistan, Sweden, Thailand, the USA, Great Britain and Italy.

ORP *Kormoran* showered with awards at Balt Military Expo 2018



The President of Remontowa Holding SA Piotr Soyka thanked the management and teams at the Remontowa Shipbuilding shipyard and consortium members cooperating in the implementation of the *Kormoran* project.

Shipbuilding, which was the leader of the consortium. In this way, we pay tribute to rear admiral Xawery Czernicki, as his name was not only given to this prize, but also to a logistics ship, delivered years ago from our shipyard as well, serving the Navy until present day. I would like to thank the board of Remontowa Shipbuilding, our shipyard teams and other consortium members for their cooperation in the execution of this project, as a result of which the most modern ship currently operating in the Baltic Sea was built - said Piotr Soyka.

This year, for the first time at the Balt Military Expo, competition for the prize of the President of the Republic of Poland was organized. This accolade was also awarded to the ORP *Kormoran* minehunter, and the chairman Piotr Soyka, representing the consortium leader - Remontowa Shipbuilding SA shipyard, was presented with the award by the deputy head of the National Security Bureau, minister Dariusz Gwizdała. Three equivalent "Amber Medallions" of Balt Military Expo 2018 have been awarded as well. Two of them went to OBR CTM SA in Gdynia for SCOT ship management system and for the system of monitoring and minimizing ship's physical fields - the ship's passive defense system (both systems were installed onboard ORP *Kormoran*). The awards have been received by the president of the board, Andrzej Kilian, and the vice president, Joanna Sztyler of CTM SA.

The third "Amber Medallion" was awarded to the Polish Naval Academy named after Westerplatte Heroes for the port security module, passive ship defense and underwater reconnaissance system.

The most important provisions of the 99th session of the Maritime Safety Committee (MSC)

The 99th session of the Maritime Safety Committee (MSC) of the International Maritime Organization took place in London on May 16-25 this year. Poland was represented by representatives of the Administration: Waław Bielawski - Permanent Representative of the Republic of Poland at IMO - Chairman of the delegation, Marta Grabowska - deputy chairman of the delegation, Tadeusz Wojtasik - deputy chairman of the delegation, Wojciech Zdanowicz, Przemysław Lenard and Paweł Perkowski - delegation members, as well as Zbigniew Pietrzykowski and Jacek Poturalski (PRS) - experts.

A number of issues were addressed at the session, including the autonomous surface watercraft (MASS). The MSC Committee initiated the work related to the possibility of safe and environmentally friendly navigation of autonomous vessels covered by IMO legal instruments. The Committee endorsed the regulatory framework for activities already in progress. These include the development of initial definitions of floating autonomous units and their autonomy levels, as well as the methodology of conducting the regulatory procedure and work schedule.

Amendments were also adopted to the IMO instruments, including the SOLAS Convention, the International Maritime Dangerous Goods Code (IMDG), the international code on the use of fire test procedures (FTP 2010). Also discussed were the polar code and new shipping routes in the Bering Sea as well as piracy and maritime safety.

Details are presented on the PRS website.

ORP *Kormoran* minehunter has won the most prizes on June 25-27, during the 15th Baltic Military Military Expo 2018.

At the end of the second day of the fair, the winners of the Grand Prix competition were announced, named after rear admiral Xawery Czernicki, as well as winners of the special Balt Military Expo 2018 awards. Rear admiral Xawery Czernicki Grand Prix, by the judgement of Jury of the competition, was awarded to the consortium of companies: Remontowa Shipbuilding SA, Research and Development Center of Marine Technology SA (OBR CTM SA) and PGZ Stocznia Wojenna for the "Kormoran 2" class minehunter. The prize was received by the representative of the consortium leader, president of Remontowa Holding SA, Piotr Soyka.

- Thank you for this award on behalf of Remontowa

Forum Okrętowe at Balt Military Expo

In Gdansk, at the AmberExpo trade fairs and conference center, the Baltic Military Expo exhibition took place on June 25-27 this year. It was also attended by several companies associated in Forum Okrętowe. They exhibited at Balt Military Expo both on their own, separate stands (e.g. Remontowa Holding / Remontowa Shipbuilding), as well as on the joint stand under the banner and patronage of Forum Okrętowe.

“Fluid-flow machinery” degree course specialty under the patronage of General Electric



Photo: Gdansk University of Technology

Faculty of Ocean Engineering and Ship Technology (WOiO) and Alstom Renewable Poland Sp. z o.o., a Baker Hughes and GE Company, have entered into an agreement on scientific and didactic cooperation. Under the agreement, the parties have, among others, established the possibility of obtaining domestic and foreign grants for the implementation of research and development projects.

GE will be the patron of the specialty “fluid-flow machinery” run by the Faculty of Ocean Engineering and Ship Technology as part of the inter-faculty specialty of Power Engineering.

The agreement includes provisions for conducting lectures by employees of the company, organization of study visits at the Elbląg based facilities, participation of students in reviews of implemented projects,

cooperation of the company with students (including topics) in the implementation of engineering and master’s theses, and organization of student internships and industrial internships. In addition, employees of the company will have the opportunity to continue professional development in the field of science as part of PhD theses. The agreement also covers research and development cooperation.

The signatories of the agreement were: dr hab. eng. Janusz Kozak, prof. associate at Gdańsk University of Technology, dean of the Faculty of Ocean Engineering and Ship Technology and m.sc. eng. Paweł Turulski, president of the management board of Alstom Renewable Poland Sp. z o.o. / Baker Hughes, GE Company. In the first stage of implementation of the agreement, 10 students of WOiO PG will start a monthly apprenticeship or half-year research and industrial internship at GE from 1 July this year.

The 100th birth anniversary of prof. Jerzy Wojciech Doerffer



Photo: Main Board of SIMP

On June 6, during the ITM Polska Fair at the Poznań International Fair, the Main Board of SIMP organized VII Mechanics Day. As part of this important event for the community, two presentations were given:

First one - dedicated to prof. dr eng. Jerzy Wojciech Doerffer on the hundredth anniversary of his birth. The presentation was prepared by prof. Piotr Doerffer, the son of the nester of Polish shipbuilding and the Patron of SIMP in 2018, and presented by Jerzy Czuczman, president of the Society of Polish Shipbuilding Engineers “Korab” (TOP Korab), supplementing it with information from the life of professor J.W. Doerffer associated with his membership in TOP Korab as an Honorary Member of the Society. The second presentation - on the situation of the shipbuilding industry in Poland - was prepared and

presented by Jerzy Czuczman, director of the Employers’ Association Forum Okrętowe.

4th edition of the Forum Okrętowe Skills Academy

On Wednesday, 27 June this year, at the office of the Forum Okrętowe at Uphagena 23, in Gdańsk-Wrzeszcz, another meeting was held as part of the “Academy of Skills” series, dedicated to financial services.

The meeting was hosted by Deloitte - a Forum Okrętowe Member, and concerned the due diligence of VAT. Recently, tax authorities, supported by the Ministry of Finance, are sensitive to controlling transactions suspected of VAT tax fraud. Unfortunately, the victims of this type of activities are often enterprises that were unconsciously in such a chain, but did not retain proper caution in the selection of contractors. Consequently, tax authorities often question, among others, the right to deduct input VAT charged by entities that participated in transactions with dishonest contractors.

As part of the meeting the following issues were discussed:

- why the issue of due diligence has recently played a particularly important role in tax proceedings;
- mechanisms introduced by the legislator to prevent VAT fraud;
- a code of due diligence called “Methodology for the assessment of due diligence of purchasers of goods in domestic transactions”, published by the Ministry of Finance on April 25 this year;
- the principles that can be followed when setting procedures that limit the risk of undermining due diligence by authorities.

The final of the OiO4um competition for the best bachelor of engineering thesis



May 29 this year saw another edition of the OiO4um competition for the best bachelor of engineering thesis at the Department of Ocean Engineering and Ship Technology (Wydział Oceanotechniki i Okrętownictwa - WOiO) at the Gdańsk University of Technology. The event included public presentations of the works of the 1st stage winners.

Public presentation performance is an important factor taken into consideration by the Competition Commission, with the final evaluation and selection of the Winning Competition.

The finalists of the Competition and their works are:
1. Ewelina Kriger, with the thesis: “Comparative analysis of various configurations of hydrofoil propulsion system with solar power” (supervisor: Dr. Cezary Żrodowski),

2. Dariusz Lempek, “Design of reciprocating piston steering gear” (supervisor: Jędrzej Żywicki),

3. Dominika Wojacek, “Numerical analysis of the strength of a fragment of the marine structure of a platform designed to launch artificial Earth satellites in the aspect of construction resistance to the impact of exhaust gas pressure created during the launch of a rocket” (supervisor: Adam Bocian)

4. Bartosz Wyłoga, “Preliminary design of a 3 kW wind turbine” (supervisor: Dr. Hossein Ghaemi).

The competition was won by ms. eng. Dominika Wojacek. She remotely live transmitted a presentation of her work through the Skype application, as ms. Dominika is already working abroad.

The prizes in the competition were paid internships offered by members of the Forum Okrętowe, the companies: Damen Marine Components Gdańsk, HG Solutions, Wartsila Ship Design and Deltamarin.

On the InnoShip program at the Maritime Congress in Szczecin

From June 13 to 16, 2018, the IMO World Maritime Day parallel events took place in Szczecin, immediately followed by the International Maritime Congress. 800 delegates from over 40 countries attended the events, including 15 in the rank of ministers. Representatives of the governments of Portugal, Greece, Colombia, as well as Ghana, Korea, Nigeria, Singapore, United Arab Emirates, China, Croatia, Cyprus, Iran, South Africa, Thailand and delegations from Argentina, Azerbaijan, Brazil, Mexico, Indonesia and the Czech Republic as well as delegations from Estonia, France, Hungary, Latvia, Lithuania, Slovakia, Slovenia and Turkey came to Szczecin.

During the second day of the Congress, in the panel “Innovations”, director of Forum Okrętowe office Jerzy Czuczman along with Ms. Beata Cichocka-Tylman, director of innovation and R&D in PwC, gave the presentation “InnoShip for research and development in the shipbuilding sector”.

Letter of intent regarding LNG bunkering in the Port of Gdynia signed with PGNiG



Photo: Port of Gdynia

Port of Gdynia Maritime Port Authority signed an agreement with PGNiG Obrót Detaliczny Sp. z o.o. and Gas-Trading SA regarding the use of LNG fuel, on June 19 this year. It assumes, among others, the construction of a barge adapted for LNG bunkering. The project is expected to be implemented as part of the National Center for Research and Development program - INNOship.

According to the directive on the development of alternative fuels infrastructure, by the end of 2025 at the latest, a sufficient number of LNG bunkering points should be created at sea ports, allowing inland waterway vessels or LNG fueled sea-going vessels to navigate the entire TEN-T core network. In the

case of Poland, these are to be Gdynia, Gdańsk, Szczecin and Świnoujście ports included.

The letter of intent provides for cooperation in several key areas. The companies will work on the technical procedures and guidelines for LNG bunkering of ships and on the mobile point of bunkering with LNG fuel in the Port of Gdynia and on enabling shipowners to bunker at sea using the ship-to-ship technology.

The agreement also implies an undertaking, on the part of Gas-Trading SA, to submit an application as part of the INNOship program run by the National Center for Research and Development (NCBiR). The program assumes financial support for innovative technological solutions for shipyard and port infrastructure.

Let us recall that the INNOship sector program was established at the request of Forum Okrętowe submitted to NCBiR in this matter.

Extending the applications receiving period in the contest for the INNOship sector program funds

NCBiR (National Center for Research and Development) announced the deadline extension of the call within the competition for the INNOship sectoral program, in measure 1.2. Sector programs of the Intelligent Development Operational Program 2014-2020. In accordance with the current version of the Competition Regulations, the new date of completion of the applications acceptance has been set for July 30, 2018 (until 4:00 PM). The remaining conditions of the competition remain unchanged.

In connection with the change approved by the Managing Authority, appropriate adjustments to the Announcement about the competition as well as the Competition Regulations have been introduced. The above changes are effective from June 20, 2018.

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