



NEWS FROM FORUM OKRĘTOWE MEMBER COMPANIES

NEWBUILDINGS

The MCMV ORP *Kormoran* launched at Remontowa Shipbuilding



ORP *Kormoran* just prior to christening and launching.
Photo: Piotr B. Stareńczak



ORP *Kormoran* during launching.
Photo: Piotr B. Stareńczak

The Polish Navy new generation mine countermeasure vessel (MCMV) *Kormoran* (first of „Kormoran II” class), one of the most technologically advanced navy ships in Europe, was launched at Remontowa Shipbuilding on September 4, 2015.

Polish Prime Minister and numerous other top level state officials participated in the ceremony.

- Sail the Oceans and the Seas, be the proof of reputation of the Polish shipbuilders and sailors. I hereby christen this ship: *Kormoran* - Maria Karweta, the minehunter's godmother said, when she began the launch ceremony of the Polish Navy's new minehunter. The ceremony was attended by PM Ewa Kopacz, Deputy Prime Minister, Minister of Defence Tomasz Siemoniak, Deputy Minister of Defence Czesław Mroczek, General Commander of the Armed Forces, General Mirosław Różański, Navy Command staff, honorary guests, veterans, subcontractors as well as numerous local authority representatives and management boards



From the left: Deputy Prime Minister Tomasz Siemoniak, provincial deputy governor Michał Owczarczak, Prime Minister Ewa Kopacz, Chairman of Remontowa Holding Piotr Soyka and CEO of Remontowa Shipbuilding Andrzej Wojtkiewicz. **Photo: Piotr B. Stareńczak**

of the Remontowa Holding's companies, not to mention hundreds of the shipyard's workers, inhabitants and - last but not least - Military Orchestra of the Polish Navy.

During the official speeches it was emphasized that the new minehunter is created in line with a completely Polish design, in a Polish, private facility, financed by 100% of the Polish capital. Meanwhile, a series of investment initiatives was executed making it possible for the Remontowa Shipbuilding to construct minehunters, including the air-conditioned prefabrication hall which is required to work with the special purpose objects and with special materials. Secondly, a 300-tonnes gantry crane, along with a new production line, with the latter element making it possible to mass-produce ships have also been created. The elements listed above may be highly useful during the process of realizing the prospective naval shipbuilding initiatives.

This is going to be the first vessel for the Polish Navy since 20 years, that was constructed entirely by the Polish industry. However, Remontowa Shipbuilding, formerly known as Northern Shipyard, enjoys rich track record in the military production, since the company, in its history, has built over 400 military ships with majority delivered for the Polish Navy.

- The contract is being executed in line with the schedule and without any interruptions - Andrzej Wojtkiewicz, CEO of Remontowa Shipbuilding points out. - Another reached milestone confirms that the ship is going to be handed over on the expected date.

Let us remind, that of nearly PLN 140 billion that are planned by Polish government to be spent on military forces and defence until 2022, over 16 billion is destined for renewal of the Polish Navy. According to initial plans the proper, desired strength of Polish Navy will be secured with 12 new ships in four classes: three multipurpose attack corvettes / coastal defence ships („Miecznik”), three submarines („Orka”), three patrol vessels („Czapla”) and three minehunters („Kormoran II”). Three corvettes and three patrol vessels are planned to be commissioned until 2022. A year later the last of planned submarines is expected to be in service.

So far the most advanced program execution is seen in the „Kormoran II” minehunter class. The first unit of this class is under construction at Remontowa Shipbuilding. The ship is expected to go into service in 2016. „Kormoran II” class minehunter is dedicated to mine hunting tasks in Polish EEZ (Exclusive Economic Zone), as well as in tactical task forces in Baltic and North Sea and other auxiliary tasks defined by Polish Ministry of Defence. The vessel is designed with great care to achieve low signature and high manoeuvrability, owing to use of cycloid propellers driven by diesel engines.

„Kormoran II” class minehunter - principal particulars

length overall 58,50 m
breadth max. 10,30 m
depth (forecastle) 6,40 m
depth (aft deck) 4,70 m
displacement: up to 850 t

Video report from the launching and christening ceremony is available at: http://bit.ly/kormoran_wod

***CPO Japan* inspected by a drone in a pioneering tests at Remontowa**



CPO Japan in a floating dock at Remontowa SA.
Photo: Jerzy Uklejewski

Several chemical tankers have been under repairs at Remontowa recently. These included Norwegian operated *Blue Garnet* (119 m long), *Fjellstraum* (100 m long) and *Xanthia*, Italian *Granato* (121 m), German *CPO Japan* (183 m long) and *CPO India*. Further ships of the same type are followed shortly.

CPO Japan entered Remontowa yard on June 15 for its first five year class renewal overhaul. Wide range of specified works was further increased with new orders during the yard stay, which thus elongated.

Among the most important, and tedious at the same time, works there was maintenance of 12 ballast tanks (6 port and starboard side each) and three slop tanks. Underwater part of the hull repairs and maintenance was enabled by docking the vessel.

The hull was cleaned and painted (over 10,000 m²). Stern tube seals have been replaced. Overhaul of five cylinder systems of the main engine as well as overhauls of the auxiliary boiler, turbocharger, three generators, several electric motors, water cooler and accommodation ladders were carried out.

The sewage tank has been modified (enlarged from 3 up to 8 m³). Modifications have also been applied to mooring winch and some valves repaired.

The UK flagged, Lloyd's Register classed, 183.4 m long overall, 32.1 m wide, 6.8 m draft chemical and product tanker *CPO Japan*, featuring deadweight capacity of 51 747 ton, was built in 2009 at Korean yard Hyundai Mipo Dockyard, Ulsan.

A few months earlier Remontowa hosted and serviced a product and chemical tanker of the same series - *CPO Sweden*. *CPO India* arrived at Remontowa SA in Gdansk in the second half of August.

An interesting new procedure has been introduced on the occasion of the *CPO Japan's* stay. In a pioneering move in Polish shipyards, a flying robot or an Unmanned Aerial Vehicle, was introduced for internal spaces inspection of a ship for the first time at Remontowa.

The technology demonstrating tests of a drone have been carried out inside one of the ship's cargo tanks. The drone, equipped with high definition camera (with own lighting), capable of recording HD video and still pictures, was able to access all parts of the tank. It was even able to rest against the bulkhead, while hovering. The contact with the tank wall is possible due to propellers being protected by special frames. The drone demonstrated excellent stability in confined space allowing for good quality visual inspection material recording.

The vehicle is intended to be used for providing a surveyor with an overall impression of the state of the hull and bulkheads of a vessel under inspection. The technology may also be applied to inspection of external structures, such as masts or deck crane jibs.

The drone serves as means of visual inspection, mainly for surface (protective coating) condition assessment, i.e. corrosion and cracks detection. In many cases visual inspection results may rule out the necessity of conducting more detailed „hands-on” inspection such as ultrasound thickness measurements, etc., thus allowing to refrain from time-consuming setting up the scaffoldings, which in turn saves time.

The experiments performed provided promising outcome. Although the Owners have approached the yard with own inspection results and repairs specification, and the drone visual inspection was only the initial test of the technology, the feedback was positive. The Owners' representatives expressed their overall positive impression on the technology demonstrated in tests. As their outcome is definitely promising, the yard is willing to proceed with introducing this technology in commercial operations in selected, appropriate applications.

***Nordic Diana* repairs completed at Naval Shipyard Gdynia**

On September 25, 2015, Dutch operated general cargo vessel *Nordic Diana* left the yard after class renewal repairs. These included sandblasting and painting of hull, overhaul of bottom and side seawater valves, cleaning and maintenance of sea chests and of transverse thruster tunnel. Ship's shell coolers have been dismantled, cleaned and re-installed, propeller shaft and rudder plate overhauled and measured. The controllable pitch propeller has been dismantled, fuel tanks cleaned, gangways load tested and overhauled, steering gear overhauled and oil leakage on hydraulic cylinders fixed. The range of repairs and maintenance has also covered overhaul and maintenance of anchor chains and anchors as well as some steelwork.

MISCELLANEOUS

International Maritime Exhibition Baltexpo 2015 concluded, Forum Okrętowe members awarded with „Golden Anchors”



Jan Talaška, Dorota Pyć and Jarosław Flont received Baltexpo 2015 awards during the opening ceremony of Baltexpo 2015.
Photos: Sławomir Lewandowski, Jerzy Uklejewski

18th International Maritime Exhibition Baltexpo 2015 was held on 7-9 September 2015 at the AmberExpo Exhibition and Convention Centre (Gdańsk, Poland).

Baltexpo, with tradition dating back to early eighties, is the biggest and most renowned maritime exhibition in Poland and CEE. It is also one of the major European maritime trade fairs. It covers the shipbuilding industry, offshore, port and terminal facilities, maritime transport and logistics, safety and security of ports and shipping, environment protection. It appreciates the fact that maritime business relationships are backed by the numerous economy sectors and constitutes a forum for business talks and meetings for a variety of industries and international trade stakeholders. The dynamic development of the Polish maritime industry allows for a new quality of cooperation between Polish & foreign maritime economy stakeholders, which was mirrored by a wide range of countries, sub-sectors and individual companies represented as exhibitors and participants in accompanying events, mainly conferences and seminars. There were 296 exhibitors representing 14 countries.

During the opening ceremony, marked by traditional ship bells stricken, this time, by minister Dorota Pyć, undersecretary of state in the Ministry of Infrastructure and Development, awards were handed to providers of most interesting, important and innovative products and services presented by the exhibitors of Baltexpo. Long lasting part of the Baltexpo program is ceremonial handing out the „Golden Anchor” Awards of the President of Polish Chamber of Commerce. During Baltexpo 2015 the award committee, led by secretary general of Polish Chamber of Maritime Commerce, Jerzy Lewandowski, awarded three „Golden Anchors”. „Personality of Maritime Economy” category award was handed out to minister Dorota Pyć for her efforts in

defining the current Polish government's Maritime Policy („Maritime Policy of the Republic of Poland until 2020 with perspective to 2030”).

In the „Services” category the winner was DNV GL Poland Ltd., chosen from three entrants, receiving the „Golden Anchor” prize for its modelling and simulation of dynamic states of electro-energetic systems on ships and offshore mobile units service.

In the „Product” category - the „Golden Anchor of Baltexpo 2015” award has gone to Remontowa SA shiprepair yard for its conversion of large *Stena Germanica* ro-pax ferry's main propulsion from diesel oil

to methanol fuel. The award was won against 15 other contenders for this category this year. The actual award statue was received by Jarosław Flont, CEO of Remontowa SA.

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During this year's Baltexpo exhibition, owing to the both size, and vibrant traffic and activity as well as significant presence of hosts and guests, the exhibition area of Forum Okrętowe was highly visible. Just for comparison - as many as 12 entities, including Forum Okrętowe itself, were directly represented at FO stand at Baltexpo 2015, while there were just three companies, in addition to FO, at its exhibition stand at Baltexpo 2013.



Forum Okrętowe exhibition area.
Photo: Jerzy Uklejewski

Forum Okrętowe as an opinion leader

On September 21, in Warsaw, Polish employers' association PKPP Lewiatan held a debate “Poland 2015-2025: What industrial policy? Major challenges”. In a debate, in part concerning the shipbuilding industry, director of Forum Okrętowe, Jerzy Czuczman, was a moderator, while Remontowa Holding director Arkadiusz Aszyk presented the current state of the world shipbuilding market and increasing significance of the sector in Europe. He also described, how, with market and financial success, is Remontowa Holding operating and talked about prospects for properly managed companies in Poland, not waiting for government support and independently doing well on the market.

The debate conclusions regarding the shipbuilding industry are summed up in report (PDF file, in Polish) available at Forum Okrętowe's website, at: http://bit.ly/lewiatan_wnioski (<http://forumokretowe.org.pl/files/wnioski.pdf>), while the video report from the plenary session (the debate was conducted in Polish language) is available at: http://bit.ly/lewiatan_video (<https://youtu.be/h7CBVqaoEzA>).

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Forum Okrętowe has also recently took part in preparing the “Baltic Sea for all” report within “Responsible Transport 2014-2020” initiative, established in 2014 by Global Compact in Poland with support from WHO and United Nations Development Programme. Since the beginning of the “Responsible Transport” initiative operations, it was granted a patronage from such significant institutions as European Commission. The paper “Modern and competitive Polish shipbuilding sector on the World's market” is available at:

http://bit.ly/fo_gc

Forum Okrętowe management in new term

On 9.09.2015, during general assembly of Forum Okrętowe, new authorities were elected, including the president, who was chosen unanimously - Andrzej Wojtkiewicz (for another term in a row). Here is the full list of Forum Okrętowe management in 2015-2017 term:

Andrzej Wojtkiewicz, Remontowa Shipbuilding SA, president of Forum Okrętowe

Members of the Board:

Jarosław Flont, Remontowa SA, vice-president of Forum Okrętowe

Inacio Golebski, DNV-GL Sp. z o.o., vice-president of Forum Okrętowe

Rafał Krocza, Wartsila Baltic Design Center Sp. z o.o., vice-president of Forum Okrętowe

Zbigniew Miodowski, ZinkPower Szczecin Sp. z o.o., vice-president of Forum Okrętowe
Krzysztof Jarząbski, MORS Sp. z o.o.
Sławomir Kalicki, Inter Marine Sp. z o.o.
Jarosław Łasiński, Stocznia Gdańsk SA
Ryszard Matyka, Vistal Gdynia SA
Jerzy Pawlak, Stocznia WISŁA Sp. z o.o.
Zdzisław Rakocy, FAMOR SA
Piotr Soyka, Remontowa Holding SA
Piotr Stypa, Towimor SA
Jadwiga Sztelwander-Zięba - Deltamarin Sp. z o.o.
Katarzyna Wojtowicz, mBank SA
prof. Eugeniusz Skrzymowski, Honorowy Członek Rady
Audit Committee:
Romuald Kinda, Navimor International Sp. z o.o., przewodniczący Komisji Rewizyjnej
Mariusz Ruszkowski - Famos Sp. z o.o.
Bogdan Szpilman, Rubo Sp. z o.o.
Dariusz Rudziński, Polski Rejestr Statków SA
Sławomir Gieroń, Damen Marine Components Gdańsk Sp. z o.o.
Forum Okrętowe office:
Jerzy Czuczman, director
Krystyna Horyńska - operations manager

Gdynia's International Economic Forum becomes Maritime Economy Forum, to be held on October 9, with Forum Okrętowe as a leader of Maritime Industries panel

International Economic Forum in Gdynia, organised since 2001, has already gained well-deserved reputation, recognition and the rank of one of the most important business and economic events in the region. During every edition of the Forum foremost representatives of the world of business, specialists, representatives of local authorities and scientific community meet and hold discussions. The Forum has a strong position on the map of events the importance of which go far beyond local or regional horizon, and at the same time it has become the flagship, the brand of Gdynia and Pomerania business, including maritime economy related sectors.

This year's edition of the Forum constitutes an important milestone for the development of this event, but also another challenge for the city which has been demonstrating its courage towards innovation and implementation of bold undertakings for years. Maritime Economy Forum - this shall be the new name of the Gdynia event, but also a different, modernized format of conferences, debates, meetings and workshops, the format which will make it possible to focus mainly on practical issues, essential to entrepreneur competitiveness, and on the development potential of maritime economy sectors and Baltic ports.

Undoubtedly, maritime economy is a strong discriminant of Gdynia and the region which additionally provides a strong stimuli for the effective development of high-growth potential sectors, including creative industries, ICT, BPO or knowledge and education sectors. This year's Forum will have the form of open discussion panels with participation of business practitioners from different maritime sectors, but also entrepreneurs and scientists, which will provide opportunities for exchanging opinions, experience and ideas. Subject areas raised during the Forum will evolve around the issues of the sector's competitiveness and the prospects offered by effective use of the region's potential. The Forum's Special Guest will be Dorota Pyć, Undersecretary of State in the Ministry of Infrastructure and development.

Participants of this year's Forum will have a chance to take part in four panels: „Maritime Industries”, „Sea-ports”, „Maritime Logistics” and „Ship Management”.

The Maritime Industries panel, the motto for which is: „Not only the big companies are the power of the sector”, and led and moderated by Jerzy Czuczman of Forum Okrętowe, will cover such topics as:

- Market position of companies delivering: systems, equipment and services to maritime industry
- Poland as a key ship engineering center for the European maritime industries
- Competitive advantages of Polish companies acting as suppliers for maritime industries
- Classification Societies in Poland - an important element of quality assurance. EU Mutual Recognition in maritime industry
- Education in ship engineering as driver of key success factors in maritime industry

During the Gdynia's economic forum, held under new formula this year for the first time, will play host to a ceremony, held at plenary session, of handing over the „Innovative Maritime Economy” awards. Forum Okrętowe is an official partner of the Maritime Economy Forum (Forum Gospodarki Morskiej Gdynia 2015) and the organizer of the mentioned prize-giving ceremony.

This will be the third edition of the „Innovative Maritime Economy” awards, aiming at creation and strengthening of positive image of shipbuilding industry and other sectors of maritime economy. There have been a lot of good developments seen in the sector over the recent years, so the Forum Okrętowe Board, inspired by Piotr Soyka, chairman of Remontowa Holding SA, Poland's biggest and one of the Europe's biggest shipbuilding group, decided to distinguish innovative ideas, undertakings and products, which has been successfully implemented and have come to fruition on the market.

The Forum will be held on Friday, 9th October 2015 in the Conference Centre of the Pomeranian Science and Technology Park in Gdynia.

Participation in the Forum is free of charge. On-line registration is available at: www.forum.gdynia.pl

The Newsletter is published monthly

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ZWIĄZEK PRACODAWCÓW
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Publisher: PortalMorski.pl 

Office: TEMAT Sp. z o.o., Na Ostrowiu 1, 80-958 Gdańsk