



ZWIĄZEK PRACODAWCÓW
FORUM OKRĘTOWE
ASSOCIATION OF POLISH MARITIME INDUSTRIES



NEWSLETTER DECEMBER 2017



*To our Readers, People of the Sea,
all maritime industries stakeholders,
we wish for the New Year 2018 bold ideas,
well-aimed business decisions,
wealth and health, fulfilling of dreams
and successful realization of all plans,
as well as strength and perseverance in
achieving this.*

*The Association of Polish Maritime
Industries **FORUM OKRĘTOWE***

NEWS FROM FORUM OKRĘTOWE MEMBER COMPANIES

NEWBUILDINGS

Remontowa Shipbuilding to build further minehunters



Agreement signing concerning the construction of the second and third "Kormoran II" type minehunters.

Photo: Piotr B. Stareńczak/PortalMorski.pl

According to an agreement, worth over PLN 2 billion, signed in Warsaw in the headquarters of Ministry of Defence on December 27, 2017, two modern minehunters with three logistics support packages and one submarine rescue vessel with an option for another one will be supplied to the Polish Navy.

The mine countermeasure vessels of the "Kormoran II" type will be built by a consortium with Remontowa Shipbuilding SA of Remontowa Holding as a leader. The remaining members of the consortium are OBR Centrum Techniki Morskiej SA (OBR CTM) and Stocznia Wojenna PGZ Sp. z o.o. (Naval Shipyard). The value of the contract is over PLN 1,1 billion.

Deputy minister of Defence, Bartosz Kownacki, emphasizes the contracts are important step towards re-

building of the Polish shipbuilding industry. He explains both privately-owned companies - Remontowa Shipbuilding and the state-owned ones - members of Polska Grupa Zbrojeniowa - PGZ (Polish Armament Group) will be involved in the construction of new naval vessels.

On behalf of the ordering party, the agreement was signed by col Dariusz Pluta, the head of the Armament Inspectorate of MoD and by representatives of the consortium, Remontowa Shipbuilding SA yard: the CEO Piotr Dowżenko and vice-CEO Bartłomiej Pomierski. The ceremony was also attended by Piotr Soyka, the chairman of Remontowa Holding.

On behalf of the member of consortium, OBR CTM SA, the agreement was signed by CEO Andrzej Kilian and vice-CEO Joanna Sztiller, while on behalf of Stocznia Wojenna PGZ Sp. z o.o., by the CEO Konrad Konefał.

Two new minehunters will enter the Polish Navy during 2020-2021.

See the video report from the naval newbuilding orders agreement signing (in Polish):

<http://www.portalmorski.pl/tv/flmy/nowe-okrety-dla-marynarki-wojennej-rp>

Polish built SAR vessels for Vietnam



Visualisation of the SAR vessels destined for Vietnam.
Fig.: RMDC

Cenzin (PGZ Group) will be a broker and co-ordinator of the deal concerning the supply of six sea-going search and rescue (SAR) vessels to Vietnam. Polish President Andrzej Duda and Vietnamese president Trần Đại Quang signed a framework loan agreement in Hanoi on the construction of six search and rescue ships on November 28, 2017.

Remontowa Shipbuilding will be involved in the construction of the vessels. Under the terms of contract, valued at EUR200 million (USD237 million), Remontowa Shipbuilding in Gdańsk will build the first two vessels. The second batch of four units will be built in Vietnam, with Poland providing technology transfer and material kits.

The agreement also covers the design of the ships. Polish specialists will also be involved in the works at Vietnamese yards.

The concept design of the vessels has been developed by Remontowa Marine Design & Consulting of Remontowa Holding.

According to Cenzin, the contract is expected to be signed in the coming months, and the construction of the first ship will begin in 2018. The project should be implemented within four years.

The agreement has been reached after lengthy negotiations with National Committee for Search and Rescue (NCSR) of Vietnam, with initialing, early 2016 in Hanoi, the agreement by Remontowa Shipbuilding and designated Vietnamese yards.

Highly specialized SAR vessels allow to render medical support, long-lasting search and rescue operations in any weather conditions.

Tender for multipurpose buoy tender vessels for Maritime Authority concluded

On December 22, 2017, the choice of the best offer was announced by Szczecin Maritime Authority, within the procurement procedure PO-II-370/ZZP-3/36/17 concerning granting the public order for: “The construction of two multipurpose vessels”.

The best offer chosen was the one from Remontowa Holding member - Remontowa Shipbuilding SA yard of Gdansk. The offer fulfills all the tender requirements, obtaining 100 points according to defined criteria. Multipurpose vessels in every-day operations will be performing the key tasks of the Maritime Authorities in Gdynia and Szczecin, mainly the maintenance and renewal of waterways signage (buys, etc.), i.e. the transport, replacement (hauling and launching) and inspection of buoys. The vessels will be also outfitted for hydrographic tasks (including depth measurement, data processing, map amendment), etc.

In case of emergency the ships will be capable of emergency response, sea towage, oil recovery, firefighting and other rescue tasks. During winter they may be used for iced waterways clearance / icebreaking.

Each of the two vessels is to be approx. 60 m long, 12.8 m wide and to feature draft of 3.5 m. The design has been developed by Remontowa Marine Design & Consulting (RMDC).

The new vessels are about to replace aging buoy tenders of the B91 type, delivered also by Stocznia Północna (currently Remontowa Shipbuilding SA) - *Planeta* and *Zodiak* (approx. 61 m long, GT 905/750), put into operation in 1982.

The whole project cost was estimated at PLN 240 m, of which UE funds support may amount up to PLN 204 m or 85 percent. The remaining 15 percent will be covered by the State's Treasury.

The EU support for this project comes from Cohesion Fund, within The Operational Programme Infrastructure and Environment (OPI&E) 2014-2020, for which The Center for EU Transport Projects (CEUTP) as an intermediate body.

SHIPBUILDING SUBCONTRACTING

Another superstructure for luxury superyacht from Gdańsk

Aluship Technology yard of Gdansk has signed a contract for the construction of aluminum superstructure for newbuilding no. Y719 under construction at Dutch Oceanco yard. The contract covers detailed engineering and workshop documentation as well.

This makes already the 20th superstructure to be delivered by Aluship Technology to Oceanco since the first one in 2003. The structure recently included in the Aluship's orderbook is destined for motor superyacht, approx. 117 m long, being built under supervision of Lloyd's Register (for class notation 100 A1 SSC, Yacht, MONO G6_LMC UMS SCM ECO-IHM MCA Large Commercial Yacht Code (LY3)).

The first steel cutting for Oceanco Y719 superstructure is to take place in February 2018, while delivery of the structure - early 2019.

SHIPREPAIRS AND CONVERSIONS

Korean bulk carrier brought to Remontowa SA for emergency repairs



Korean bulk carrier approaching Remontowa SA.
Photo: Sławomir Lewandowski

Liberian flagged, Korean owned *panamax* bulkcarrier *DL Adonis*, late at night on December 2, 2017, suffered from propulsion power failure on the waters between Estonia and Finland (west of Hiiumaa island, Estonia), while en route from Gdynia Poland to Ust-Luga Russia. Its engine room was partly flooded. The vessel was brought to Remontowa SA in Gdansk for emergency repairs.

After some waiting time, anchored, the disabled bulk carrier was taken on tow in the evening Dec 6, south of Hanko, Finland, by a Fairplay Towage Poland operated tug *Fairplay 35* (IMO 9565194) dispatched from Swinoujście, Poland and entered the Bay of Gdańsk on December 11, approaching Gdansk. There it was taken over by harbour tugs of WUZ Gdansk and towed to the yard. As we learned unofficially, the

engine room flooding was caused by failure of ballast system.

The engine room of *DL Adonis* was flooded up to the level of crankcase bottom, however the water had been already pumped out by the time the vessel entered Gdansk based yard. According to initial inspection, the

engine room looked corroded and it seemed the main engine would require disassembly. After inspection carried out with representative of owner's insurer, the decisions were about to be taken, regarding the range of repairs, however it was provisionally expected the vessel would have to stay at the yard at least for a month. *DL Adonis* (IMO no. 9553206), was built in 2010 at Chinese COSCO (Dalian) Shipyard Co Ltd, and is near sister to Polish owned *Giewont*, *Jawor*, *Ornak* and *Rysy* operated by Polsteam (PŻM). It features gross tonnage of 43 692, 79 329 t deadweight capacity, displacement of 93 377 t, 229.04 m LOA, 32.27 m beam, 14.62 m draught and 20.25 m depth.

It belongs to South Korean owner Daelim Corp., and is operated by Daelim Industrial Co Ltd, under NDSM Co Ltd, Korea, management.

***Sheksna* returns to... its cradle after 23 years**



Sheksna at Remontowa SA.
Photo: Sławomir Lewandowski

(to be reconditioned), as well as repairs to bottom sea-water valves and sea-chests. The range of works commissioned also covered repairs to some piping and minor replacements of steel in ballast tanks and chain locker (in line with class society recommendations).

The very content master and crew of *Sheksna* complimented the vessel much, emphasizing its operational and design features, good course keeping, quality of craftsmanship, good operation of equipment and robust construction.

On its way from Hamburg to Riga the vessel entered Remontowa Shiprepair Yard SA on November 2, 2017, for a couple of weeks of repair works.

Sheksna is the first newbuilding of Remontowa SA, delivered in 1994, hence attracting interests of shipyards workers, who remember its construction.

– That was a pioneering newbuildings project for the GSR and its employees. Production technology and ship designers' advice had to be followed very carefully - Zdzisław Flaszynski recalls.

Sheksna is a multipurpose coaster / river-sea vessel, operating mainly on the Baltic and North Seas, carrying mainly wheat, timber, containers.

The owner specified hull maintenance in the first place, disassembly of the rudder plate and shaft line

Remontowa SA to modernize naval intelligence vessels ORP *Hydrograf* and ORP *Nawigator*



ORP *Hydrograf* and ORP *Nawigator* at Naval Base in the port of Gdynia.
Photo: Piotr B. Stareńczak

Consortium, with Remontowa SA as a leader, as well as with KenBIT sp. j. and AM Technologies Sp. z o.o. sp. k., have won the tender from Inspectorate of Armament, for supply, installation and integration of electronic intelligence surveillance systems for ORP *Hydrograf* and ORP *Nawigator* as well as the major repairs and docking of ORP *Hydrograf*.

The relevant agreement was signed on December 6 in Warsaw.

Within a scope of the contract ESM (*Electronic Support Measures*) and wide-band intelligence systems will be supplied, installed and integrated on both vessels.

Furthermore, onboard ORP *Hydrograf*, intelligence command systems will be installed, the receiving antenna and optoelectronic ones.

– The tender procedure took almost 2 years. We have been in talks with the Inspectorate of Armament. We are satisfied, that Remontowa SA in partnership with KenBIT and AM Technologies, specialized and experi-

enced in similar works, will be executing this project - Arkadiusz Kieda, manager of Naval Vessels Repairs and Steel Products Commercial Office at Remontowa SA.

The ships will be upgraded one at a time. First, in January 2018, the entry of ORP *Hydrograf* is expected. After all the works on this ships are completed, another one - ORP *Nawigator* - will be welcomed at the yard. Remontowa SA holds the Security Clearance of the first degree, issued by Agencja Bezpieczeństwa Wewnętrznego (Agency of Internal Security), which means that the yard meets the highest standards defined in relevant rules and regulations regarding secret security and classified data processing.

The yard also holds foreign versions of the above mentioned certificate, such as NATO Secret and EU/UE Secret, confirming the yard is entitled to render services to defence in Poland, in NATO and in EU. The company may acquire contracts for full scope repairs of naval ships, including the most complex military projects, covering combat, communication and other systems onboard naval ships.

Let us recall, both electronic intelligence ships to be upgraded now, have been built at Northern Shipyard in Gdańsk - currently Remontowa Shipbuilding SA of the Remontowa Holding group.

MISCELLANEOUS

INNOship in Bydgoszcz: meeting with the spirit of cooperation



The meeting in Bydgoszcz.
Photo: Jerzy Czuczman

At the end of November, an external meeting of the council of the Association of Polish Maritime Industries FORUM OKRETOWE was held, open to all companies and institutions belonging to it, as well as to the invited external entities.

The topic that aroused interest was INNOship, the first - since the Polish transformation of the economic and political system - such a comprehensive program to increase the competitiveness of the Polish shipbuilding industry. It covers five areas: the design process, power supply systems, structures and floating objects, wharf facilities and manufacturing techniques. It therefore includes a holistic approach to the process of implementing an innovative product, new

or improved, taking into account the support infrastructure and production technology.

The meeting was attended by representatives of practically the entire Polish shipbuilding industry, because in addition to the Forum Okrętowe member companies, there were also Crist Sp. z o.o., and MARS Shipyards and Offshore group, as well as the Nauta shipyard, present.

- Here, in this room, the entire Polish shipbuilding industry is present, together we are a huge strength and huge potential - emphasized Krzysztof Kulczycki, co-owner of the Crist company. In turn, Konrad Konefał, a member of the management board of MS TFI in his speech, pointed out the potential areas of cooperation in increasing the competitiveness of the Polish shipbuilding industry, as well as the activities related to youth education.

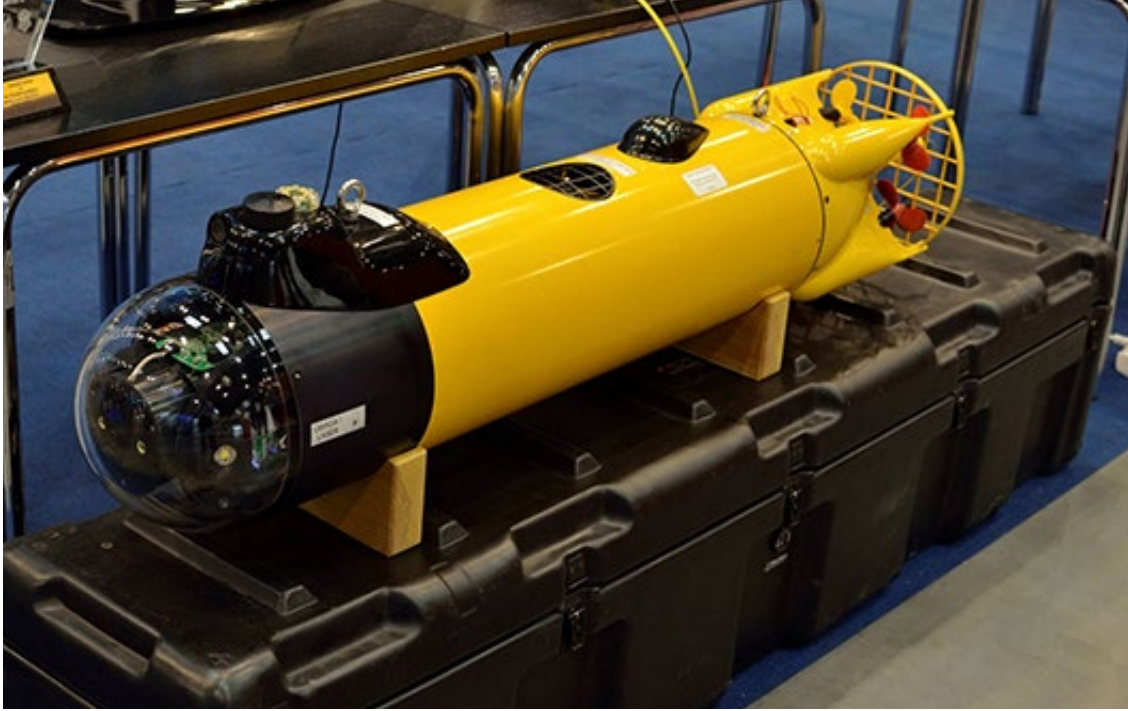
During the meeting opinions and views were exchanged in many thematic groups. Sławomir Latos, the president of Nauta Shipyard, presented interesting proposals on acquiring youth for the profession of a shipyard worker. The talks lasted a long time, in many groups even after midnight.

The hosts of the meeting were Zdzisław Rakocy, president of Famor SA and Przemysław Hoffmann, president of Promap.

In the main part of the meeting, Jacek Zimoch of PwC gave the presentation about the INNOship program. He highlighted the elements of the program management process at the company level, indicating - how to proceed with the development of the application for support. The presentation was dedicated to members of management boards and decision makers attended the meeting, i.e. prepared at an appropriate level of generality. In addition, Marta Marczak from PwC gave a presentation about brand building. The INNOship program is a good example of promoting the Polish shipbuilding industry brand, a strong brand "Made in Poland".

The meeting opened a new chapter in the cooperation of all stakeholders of the Polish shipbuilding sector. The participants emphasized the need to continue this type of substantive meetings in such a wide group. Preparation and submission of applications to the National Centre for Research and Development, which at the beginning of 2018 will launch the INNOship program dedicated to the entire maritime industry, preceded by the execution of many costly market research and analyzes, was possible owing to the support of Remontowa Holding.

Mine counter measure system Głuptak awarded by MoD



Mine counter measure system Głuptak.
Photo: GUT

The team under the supervision and leadership of dr hab. Eng. Lech Rowiński, prof. Associate, from the Department of Ship Design and Underwater Robotics of the Faculty of Ocean Engineering and Ship Technology at the Gdańsk University of Technology, who developed the “Subsea counter mine defense system OPM Kr. Głuptak”, won another award.

The distinction “for the best patent for an invention, protective right for a utility design or the right from registration of an industrial design, protected by industrial property rights, obtained as a result of research or development” was granted under the 5th Competition for the best scientific work and implementation in the field of defense. This is yet another award for the anti-mine system developed on PG.

Głuptak (“gannet”, code name given by the Ministry of Defense) is an anti-mine defense system (OPM) - a small, remote-controlled vehicle, similar to a torpedo. The vehicle is used to carry a small device (effector) destroying the sea mine, the device itself is also destroyed. The training version can be used to recognize objects (intelligence). Vehicles of the type Głuptak developed by Gdańsk University of Technology are on board the ORP *Kormoran* mine hunter, the newest ship of the Polish Navy.

The awards ceremony took place in December in the Department of Military Foreign Affairs in Warsaw. The mentioned university department has been working on robotic devices for deep-water technology for over 40 years, including submarine vehicles for purposes including mine defense. The result of these works are systems with the code names Ukwiał, Głuptak, Albatros and Porpiv. OPM Ukwiał system is used on minehunters of Polish Navy since 1999.

ASE Group expanded with Eko-Konsult consultancy

With effect from November 28, 2017, ASE Group was joined by Biuro Projektowo-Doradcze Eko-Konsult rendering design and consulting services in environmental protection since 1992.

It offers and conducts analysis, reports, programs and plans in the area of environmental protection management, including environmental impact reports, prognosis of environmental impact, environmental audits and reviews, applications for integrated permits, carries on training within a scope of environmental protection for government officials and administration and for environmental protection departments in companies.

Remontowa LNG Systems Sp. z o.o. has launched a new R&D and industrial project

Remontowa LNG Systems Ltd. announced that effective from December 1, 2017 it commenced implementing of the new pilot project called “Construction of a pilot docking station, as part of an LNG distribution system based on cryogenic tank containers”.

The value of the project (action no. 2016-PL-TM-0268-S) amounts to 1.890.582,00 EUR and is co-financed by the European Union Connecting Europe Facility 2014-2020 (contribution of 945.291,00 EUR). The EU managing Agency for the project is Innovation & Networks Executive Agency (INEA).

The objective of the project is designing, construction and testing of the pilot LNG docking station. The main task of the station will be sustaining crucial safety technical parameters of intermodal, cryogenic LNG tank containers, enabling long-term storage. This will allow further LNG distribution via all possible transport means (rail, road and sea). The station will have an additional functionality enabling L-CNG refuelling. Each of the containers will be outfitted with a set of sensors, monitoring the parameters of safe pressure and temperature conditions for the tank. The said conditions will be visualized with indication lights with colors relevant to each condition state.

“Smart” docking station, with use of integrated automation, will be able to reinstate optimal, safe temperature and pressure parameters of a given tank.

The pilot station will be located in the logistic terminal in Sławków (Śląsk region), which is a core rail/road terminal located on the Baltic-Adriatic TEN-T Core Network Corridor.

The Newsletter is published monthly

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Publisher:



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