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## Future is female!



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**Dear Reader;**  
Welcome to our **fifth** issue.

The first quarter of **2021** has been passed away with many news and new things.

Tersan's fifth quarterly newsletter including news from the **first quarter of 2021** is just one click away as it always appears online at the same time our printed issue is published.

**Enjoy Reading!**

**Business Development and Marketing Department**



## Our National Pride: Buse Tosun

We hosted Turkey's national wrestler **Buse Tosun** and members of **Yalova Altınova Shipyards Sports Club** in our Shipyard. Buse Tosun is a 26 years old, young wrestler who has accomplished many successes in her carrier. Buse won **gold**

medals at **European Junior Championship** in 2013 and **European Junior Women's Championship** in 2014, bronze medal at the **European Under-23 Championship** and in the **69 kg** event of the **European Championship** in



**2016**, gold medal at the **2018 European U23 Wrestling Championship**. During the **2020 Individual Wrestling World Cup** event which was held in **Belgrade Serbia**, she won silver medal.

## We wish success to Buse and to all Turkish athletes in their competitions during 2021 Tokyo Olympic Games.

In the World Wrestling Championship held in **Hungarian capital Budapest**, **Buse** won bronze medal defeating Chinese wrestler **Juan Wang 5-2** in the **Women's Freestyle 72-kilogram** category. Moreover, Buse will represent Turkey in Tokyo Olympic Games this year.

In this aspect, we keep on supporting sports clubs and athletes with our cheers as well as with our **sponsorships**.

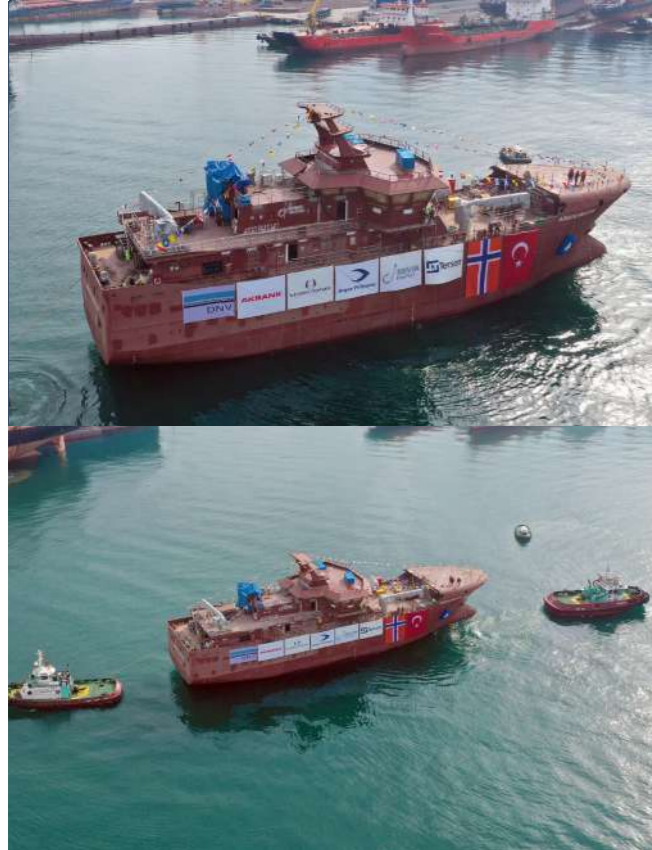
Wrestling is an important sport for Turks with the feelings of heroism and approaching this type of sports from this aspect. As Tersan we think that the sport plays an **important** role for the growth and development of individuals. It contributes to the development of mental health and physical fitness of the body and so to the person. Through participation in sports and games, a student gains various **skills, experience** and **confidence** that are helpful for developing their personality.





## 100th project Argos Helena has been launched !

Tersan Shipyard Inc. (Tersan) has launched their **100th new building project** to be named as **Argos Helena**; Longliner Factory Fishing Vessel which is under construction for **Ervik Havfiske from Norway**. The Marinteknikk designed vessel is expected to carry out fishery operations in the **Atlantic**. Beside her longlining capabilities, Argos Helena will be capable of **fishing through her moonpool** in the harsh weather conditions and she will be outfitted with advanced fish process plant.

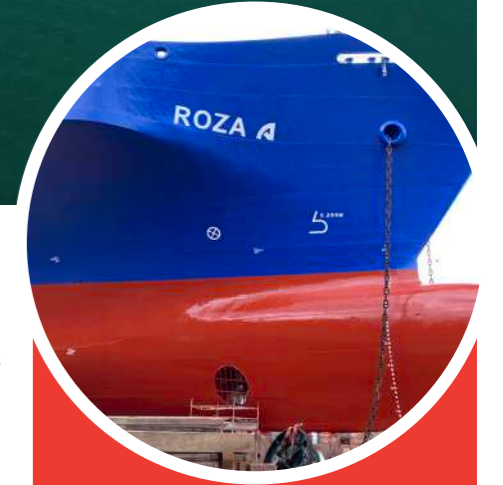


The vessel having a **60.5 meters** overall length with a **13,0 meters** beam will be powered by **Yanmar 6EY26W** main engine and she will have comfortable accommodation up to **30** people on board. She will be the 6th vessel to be built for **Ervik Havfiske** while the first 5 vessels including **Froyanes Junior** and **Vestkapp** which are delivered last year , are **successfully** conducting fishery operations.

## Tersan Shiprepair

We are happy to serve Turkish ship owners for many years.

As a result of providing the best service based on customer satisfaction, we can ensure continuity in cooperation. In that respect, we have already made fleet agreements with **biggest ship owners** of Turkey for 2021. **Arkas, İDO, Genel Denizcilik** and **Devbulk** are prominent owners of the list.



### CONVERSION AND RETROFITTING PROJECTS

The projects continue at full speed. Another conversion project was completed in the first quarter of 2021.

With the bulb and icebelt modification on the **Yamal Berkut** vessel, it was made suitable for working in the Yamal region in harsh winter conditions. The ship owner company expressed their satisfaction for this project, which was realized in a short period of **17** days. Also, **3** scrubber projects and **7** bwts retrofit projects were successfully completed in the first quarter.



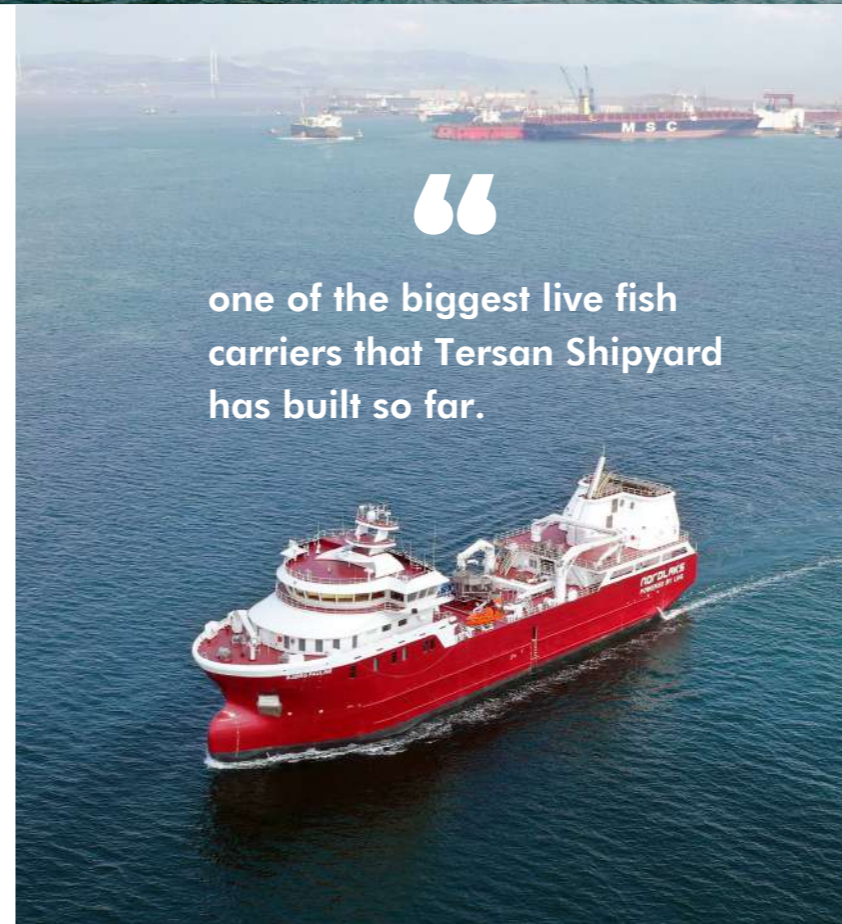
## Tersan Shipyard's project no. NB1088, named after Bjørg Pauline, is delivered to the Owner Nordlaks Company of Norway.

The **LNG Hybrid** Live fish carrier is the first of the series and one of the biggest live fish carriers that Tersan Shipyard has built so far. The **85,54** meters long and **19** meters wide vessel is unique with her propulsion system and her technologically advanced fish handling systems. With her two LNG deck tanks each of 135 m3 and

four pieces of fuel conditioning systems, **Bjørg Pauline** is a significant and fully redundant **LNG** powered vessel thanks to its very innovative design. The use of gas engines will give her a **30** percent reduction in CO2 emissions compared to a traditional diesel engine. The use of liquefied natural gas

will also provide **90** percent reduction of the emissions of the NOx. The vessel, having a cargo hold capacity of **4300 m3** is also equipped with fish treatment system to remove the sea lies from the fish. She is equipped with spacious and luxuriously appointed accommodation for the crew on board. Designed by NSK

Ship Design and built under supervision of **DNVGL**, **Bjørg Pauline** will be one of the most efficient and most advanced vessels of her type. The second **LNG-powered** live fish carrier of the series named after **Harald Martin** is also under construction at our Shipyard and is planned to be delivered in 2021.



“  
one of the biggest live fish carriers that Tersan Shipyard has built so far.”

## The two vessels, Bjørg Pauline and Harald Martin

will serve to **Nordlaks'** ground-breaking, revolutionary salmon **Havfarm** named after the company's chairman **Josten Albert Refnes**. The vessels will have

special **Havfarm** connection system. The **395**-metres long, ship-shaped floating frame **Havfarm** can hold **10,000** tonnes of fish in six pcs of **47 x 47** meter nets.

## The Havfarm

The **Havfarm** has integrated fish feed silos and a robust water injection system optimising the oxygen level inside the net pens. The unit is dimensioned for a wave height of **10** m Hs. The unit has protective steel skirts reducing current effects inside the fish pens and together with overpressure from water injection system keeping sea lice outside the unit. **The Havfarm** also have accommodation for limited number of crew on board, but many functions like feeding are done from shore via redundant ethernet and wi-fi systems.



## We congratulate our partners Nordlaks, who has been one of the biggest companies among the aquaculture sector.

**Havfarm** is conveyed to **Norway from China** with a record breaking transport process. With the weight of **36.000 tonnes**, **Havfarm** has been the largest construction ever transported by a vessel.

We congratulate our partners **Nordlaks**, who has been one of the **biggest companies** among the aquaculture sector and focused on development of new aquaculture technology, has made revolutionary investment with the construction of these two advanced live fish carriers and **Havfarm** which will proudly serve for offshore coastal fish farming industry.

**We also congratulate Tersan team** for the delivery of this unique vessel .



## Østerfjord has met with sea!

Tersan Shipyard has launched **NB1098**, Longliner & Danish Seiner Fishing Vessel which is under construction for **Østerfjord AS of Norway**.

**Marinteknikk** designed vessel will be a Hybrid powered fishing vessel which will carry out fishery operations in the **Atlantic**. To be named as **Østerfjord**, she includes **energy-saving hybrid propulsion** with a battery pack, with a great deal of emphasis placed on the best options to achieve a highly **environmentally-friendly** vessel capable of switching between **two very different** operating profiles. These require careful tuning of engines, propellers and thrusters to minimise fuel consumption and emissions.



**67 meters long and 14,6 meters wide** vessel will be the world's **largest Longliner and Danish Seiner** vessel . She will be outfitted with and advanced fish process and she will be fishing both **Danish seining and longlining capabilities**. Named as **Østerfjord**, she will be a safe, functional, environmentally friendly and cost-effective fishing vessel with accommodation for **23 people** on board. The vessel is planned to be delivered in 2021 .





**HAPPY  
WORLD  
WOMEN'S DAY!**



## Future is female!

As Tersan, we believe in gender equality and support **woman empowerment**. Ending all discrimination **against women** is not only a basic human right, it's crucial for sustainable future; it's proven that empowering women and girls helps economic growth and development. At Tersan Shipyard, totally about **185 women** are working in different departments. The number of women is **increasing day by day** with the priority for women in recruitment.

The international **World Women Day** has been celebrated at Tersan Shipyard with a **cocktail** placed at a garden in open air considering **corona virus pandemic**. That day the sun was shining like summer and it was so warm even it was still winter, beginning of March. The good weather was another **gift for Tersan Women**.

Tersan Shipyard has also supported female entrepreneurs with **Women's day gifts**. A box was prepared with **three different** presents, each of produced by a woman entrepreneur for **Tersan Women**. We would just aim to make all Tersan women have an extraordinary day at work, feel free to have fun and laugh and it was a day just we aimed. The participation was very high. Tersan psychologist, **Gamze Şahin** has made a self-compassion awareness activity; a study that teaches to be friend with yourself and self-appreciation. Going back to work, **all the faces were relaxed and smiling**.



» As Tersan family, we believe that the future is female, and we support all efforts to empower women. Not just one day in a year but every day!

**Happy World Women's Day!**

» Hope to see you in our next issue



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