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Next Generation Methanol Powered CSOVs will be Built at Tersan Shipyard

Tersan Shipyard has signed contract with Acta Marine from Netherlands for the building of 2 pcs DP2 Construction Service Operating Vessels powered with Methanol and MDO/HVO. Two more optional vessels would be secured at a later stage of the contract period. Designed by Ulstein Design & Solutions AS

with the cooperation of Acta Marine, the two vessels are planned to serve in the offshore wind construction market. Including TWIN-X stern, an integrated walk-to-work gangway system, 3D crane and the hotel styled accommodation areas, the vessels will be targeting to meet the market expectations and needs.

Tersan Shipyard is among Turkey's Top 100 Biggest Companies

Turkey shipped USD 225.2 billion worth of goods around the globe in 2021. This amount reflects an increase of 32,8% compared to last year.



Second of the Havila Series; Havila Castor has been delivered!

Tersan Shipyard delivered Havila Castor, the second ship of four cruise vessel series for Havila Kystruten company of Norway.

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Dear Reader;

Welcome to our 9th issue.

2022 continues with news and new things.

Tersan newsletter including news from the first half of 2022 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

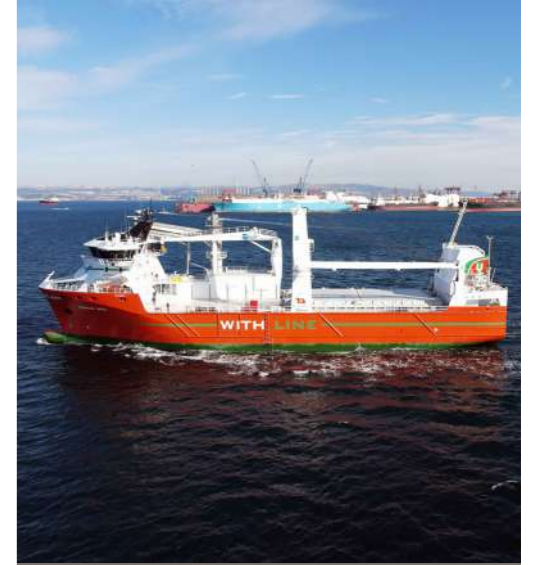


NB1095 M/S Oddrun With has been delivered

NB1095, Reefer and General Cargo Vessel M/S Oddrun With has been delivered to Egil Ulvan Rederi AS, Norway.



The vessel has a total length of **86m** and a width of **20m**. She is designed for flexible and combined shipping of **general cargo**, refrigerated goods and container cargo. An efficient unloading system has been installed for the supply of fish feed to salmon farms along the **Norwegian coast**. She is furthermore equipped with a combined side hatch/conveyor loader to suit up for many types of cargo works. The vessel is able to operate in **different modes**, **single fuel LNG** or in **hybrid mode** with batteries. **The batteries** can be charged via shaft generators and diesel generators. **Oddrun With** is also incorporated with **regeneration technology** which provides to store the inverted energy generated from cranes and winches during the unloading and direct this **converted energy to the batteries** on the vessel.



She has the capability to charge the batteries while staying at the port.

Besides; the vessel is capable to cool her cold cargo holds down to -27 C either via own refrigeration system or alternatively via cold recovery system obtained while natural gas converts from liquid to gas form.

She deserves to be referred as one the first vessel with such kind of innovative technologies to transport the frozen goods.



Next Generation Methanol Powered CSOVs will be built at Tersan Shipyard



Addition to the advanced gangway system, the ships feature a **3D motion-compensated** crane with **6 tons** of lifting capacity again supplied by **SMST** and **500 m2 indoor** and **500 m2 outdoor** cargo areas. **The two vessels** are aiming to provide a short, efficient and safe transfer of personnel and cargo even in the **harsh weather conditions** where the level of waves reaches up to **3.00 meters**.

The vessels will provide high **agility**, **operability** and **workability** during the transfer of people and cargo. Optimized on-board logistics, high productivity and high comfort for the crew add great value to the vessels and dual fuel methanol driven propulsion will provide significant **CO2 reduction measures**. The first two vessels are scheduled for delivery **Q2 and Q3 2024**.

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Designed by Ulstein Design & Solutions AS with the cooperation of Acta Marine, the two vessels are planned to serve in the offshore wind construction market. Including **TWIN-X stern**, an integrated **walk-to-work gangway system**, **3D crane** and the **hotel styled** accommodation areas, the vessels will be targeting the market expectations and needs.

89 meters long and **19 meters wide** vessels will be able to accommodate up to **135 people** in **85 cabins**. The **CSOVs** will be equipped with **Motion Compensated Gangway** systems supplied from **SMST**, mounted on the integrated towers with height adjustment and a personnel/cargo lift.

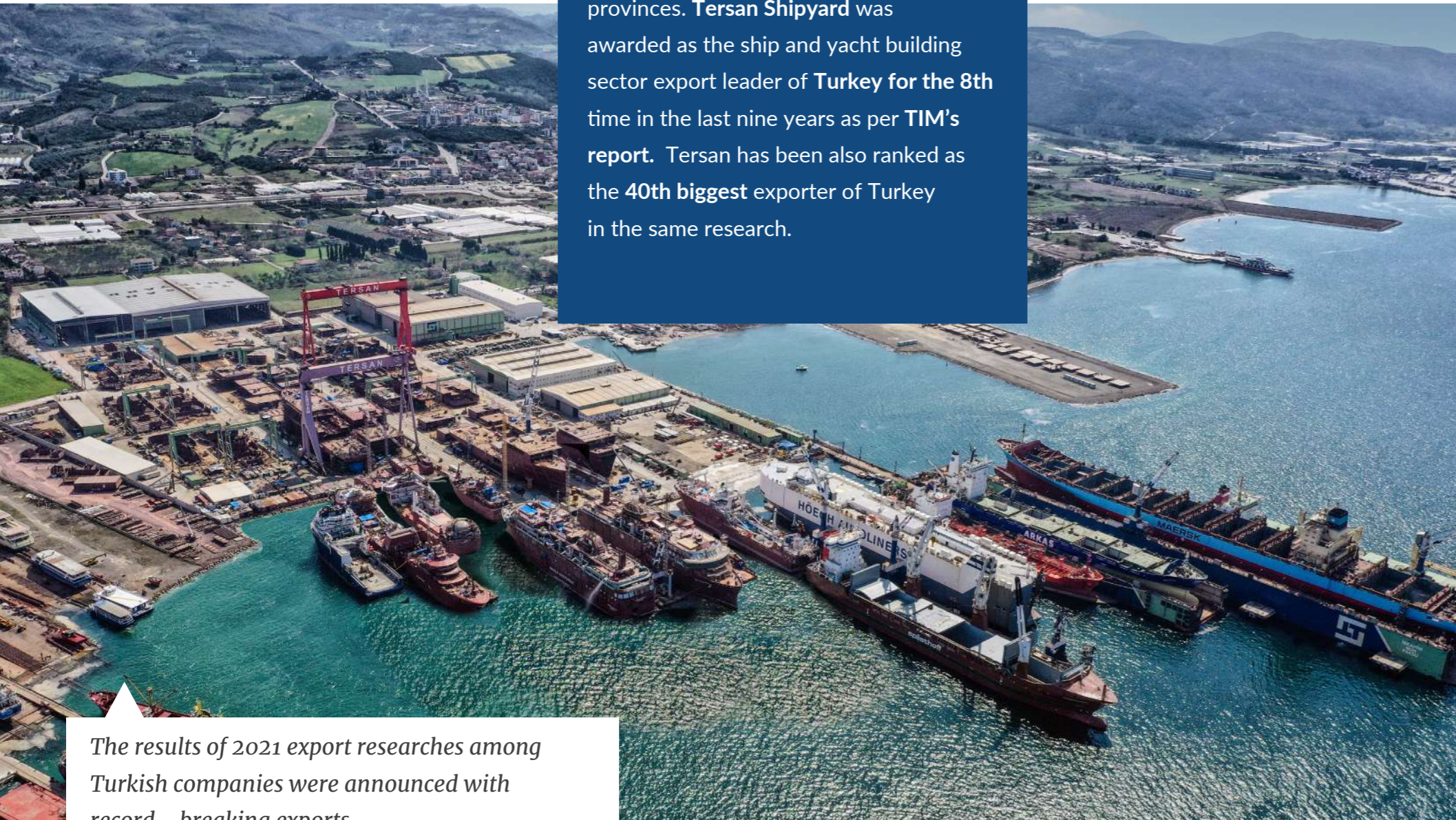


Tersan Shipyard is Among Turkey's Top 100 Biggest Companies

Turkey shipped USD 225.2 billion worth of goods around the globe in 2021.



TIM (Turkish Exporter's Assembly) has announced the sectors' export leaders of **2021** demonstrating that Turkey's exports are spread throughout country's 50 provinces. Tersan Shipyard was awarded as the ship and yacht building sector export leader of Turkey for the 8th time in the last nine years as per TIM's report. Tersan has been also ranked as the **40th biggest** exporter of Turkey in the same research.



The results of 2021 export researches among Turkish companies were announced with record – breaking exports.

Istanbul Chamber of Industry (ISO) which is an institution that organizes and records the commercial transactions of both individuals and commercial institutions, has also released Turkey's Top 500 Industrial Enterprises 2021 Survey (ISO 500). Tersan Shipyard has been appearing in this ISO 500 list for 8 years and moved up to the 95th spot compared to 185th in 2020.



Thanks to all our partners, employees more than 5000 people and customers who joined us during this journey. They are all a part of this success!



The First Contract of the Year: A Canadian Trawler

We have been awarded with the new contract for construction of a clean-design, purpose-built, 80-meters long stern trawler to be built for Niqitaq Fisheries from Canada. She will be the 3rd vessel that we built for a Canadian Customer until today.

80 meters long and **18 meters wide** vessel will be built and arranged for single and twin trawl operations to catch **Greenland halibut** and shrimps. The frozen catch will be stored in her freezer holds after processing and freezing. Having a capacity of **1,320 tons** of frozen-at-sea Halibut or **930 tons** of shrimp, the vessel will be outfitted and equipped for fishing in the **North Atlantic**

and polar areas including **NEAFAC**, **NAFO** and **ICES** regulatory areas. Designed by **Skipsteknisk**, she will be built under supervision of **DNV Class Society**. With spacious leaving areas and social amenities, the vessel will be able to comfortably host **38 people** on board. **Niqitaq Fisheries** is a fully owned subsidiary of **Baffin Fisheries**

from **Canada** which was incorporated at 2001. The company is a leading **commercial fishing** enterprise in **Northern Canada**,

harvesting more than **10,000 tons** of **Greenland Halibut** (turbot) and **cold-water** shrimp annually.



Their current fleet consists of three factory fishing vessels while the new one will be the fourth and the biggest.



NB1101 Polar Bay is Delivered



We delivered the first vessel of 2022 to Stromness Bay Limited.

Being the first delivery of the year, the Longliner Factory Fishing Vessel "Polar Bay" has 60,5 meters overall length with 13,0 meters beam and she is powered by a 1920 kW Yanmar main engine.

Designed by **Marinteknikk**, **60 meters Longliner Factory Fishing** vessel has sailed from Tersan and started to carry-out fishery operations under **St.Helena flag**. In order to maximize her longlining capabilities, **Polar Bay** is also capable of fishing through her moonpool in the harsh

weather conditions and she is outfitted with advanced **fish process plant**. She also has spacious accommodation opportunities up to **30 people on board**. The Vessel has left Tersan Shipyard after the **successful delivery** process, on the 9th of February.



Second of the Havila Series; Havila Castor has been Delivered!

Tersan Shipyard delivered Havila Castor, the second ship of four cruise vessel series for Havila Kystruten company of Norway.

The flag Ship **Havila Capella** which was awarded with the “**Next Generation Ship Award**” is carrying **Tersan Shipyard’s** name along the Norwegian shores, **Havila Castor** has started to accompany her to share this pride.

The Next Generation Ship: Havila Capella

The first ship of the series, **Havila Capella** has been awarded by Nor-Shipping as the “**next generation ship.**” It is one of the most important prize of the sector and **Havila Capella** has come forward among three other strong candidates. As the builder of two vessels which demonstrate the greatest advances and innovation with respect to **energy efficiency, technology utilization, safety & security, and environmental sustainability** for the coming decade,



Next Generation Ship Havila Capella



Tersan Shipyard reflects its reliability, quality and solution-oriented approach on the Havila ships.

Four hours zero emission sailing thanks to the ever biggest battery packages

Being identical with its sister

ship **Havila Capella**, **Havila Castor** is also powered by **LNG and battery**, providing high energy efficiency and complying with the low emission requirements. She is equipped with **6100 kWh** battery capacity which means she has the **World’s largest**

battery pack on a passenger vessel so far. Thanks to its innovative power generation system and energy-efficient hull design, just like her predecessor, **Havila Castor** can sail for four hours with zero emission. The vessel can be charged with **clean hydropower** at the quay.

Designed by **HAV Ship Design** and built under supervision of **DNV**; **Havila Castor** provides **Co2 emissions cut by 25 %** and **NOx emissions reduced by 90%**. She has also heat recovery systems from the sea and cooling water.

A Sailing Hotel: High Interior Standards

Having the high interior standards and providing well-designed accommodation areas, **Havila Castor** is a state-of-the-art vessel bringing the best comforts to her passengers on their **Bergen – Kirkenes historical coastal route**.

The vessel has very **high-end hotel rooms** with **different options, restaurants, cafes and open & closed bars**. To observe the natural beauty along the fjords and see the northern lights she has an observation lounge at the top deck. She also has a **conference room, gymnasium and hot tubes** at the top deck for the passengers to enjoy the daytime on the vessel.



NB1105 Arctic Freezer Trawler, Emerald has been Launched

Arctic Freezer Trawler under construction for built for P/F Havborg from Faroe Island, has been launched.

87,40 meters long and 18 meters wide fishing vessel is an advanced factory trawler arranged for triple trawling with four winches and prepared for a fifth winch to be added if required. She will be laid out with a fillet production factory deck, a shrimp processing line and a fish meal and fish oil plant

providing huge capacity for handling pelagic species. Fish room capacity will be 2250 cubic meters, giving it a 1000 tons capacity.

The Skipteknisk designed vessel have an accommodation area for 40 people on board and is capable for efficiently trawling in icy and arctic waters. The vessel is planned to be delivered in the last quarter of 2022.

Hope to see you
in our next issue

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