

SWATH
from Danish Yachts

MASTERS OF THE SEA

DANISH YACHTS

At the Northern tip of Denmark, where the Skagerrak and Kattegat seas meet, lies Skagen, known as the Land of Light.

There you'll find the home of Danish Yachts, an independent, privately managed and financed business with a passion for creating technically advanced crafts for the commercial, military and leisure markets.

Our modern shipyard and workshops are located in Skagen's fine harbour, where we continue the Danish tradition of quality and craftsmanship, combined with the best in modern European design and cutting-edge technology, all inspired by the strong forces of nature around us.

FACILITIES

We have three large production halls covering 8500m² and our own joinery and metal workshops. We specialise in an advanced composite and epoxy construction process which we have refined over a number of years.

Our craftsmen respect the materials they use and we all share a passion for perfection that's reflected in the superb build quality which is our hallmark; indeed, we hold a number of independent certifications including ISO 9001, ISO 14001, OHSAS 18001, Achilles 2013, Sellihca 2012-13 which demonstrate our total commitment to the highest standards, combined with the latest technology.

We have worked long and hard to build our reputation for excellence and we are enormously proud of the industry awards which recognise our efforts.







FOB SWATH 2

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INTRODUCTION

Designed for high speed passenger transport, the Danish Yachts' SWATH (Small Waterplane Area Twin Hull) offers a really new approach to special purpose, semi-submersible offshore crew transport and service vessels as it is innovative in terms of design, technology and build . We have already launched two 25 metre SWATH's in the series, with a further two being delivered later this year.

THE CONCEPT

The Danish Yachts' SWATH is, in a word, groundbreaking. It's the first series-produced SWATH vessel to be built using carbon fibre throughout. Its ultra-lightweight construction techniques allow it to take advantage of the SWATH concept in ways that have not before been possible, while the superstructure itself can be configured in many different ways to suit a particular purpose, making it a very flexible solution for a number of industries.



SOME BENEFITS

24 First Class luxurious reclining contour seats ensuring excellent comfort for passengers and compliant to DNV Comfort V3

360 degree view from wheelhouse including upwards view upwards onto the Wind Turbines

Deck space is 50m² and deck load 10 tonnes

Ultra-lightweight carbon fibre / epoxy construction built to DNV Classification

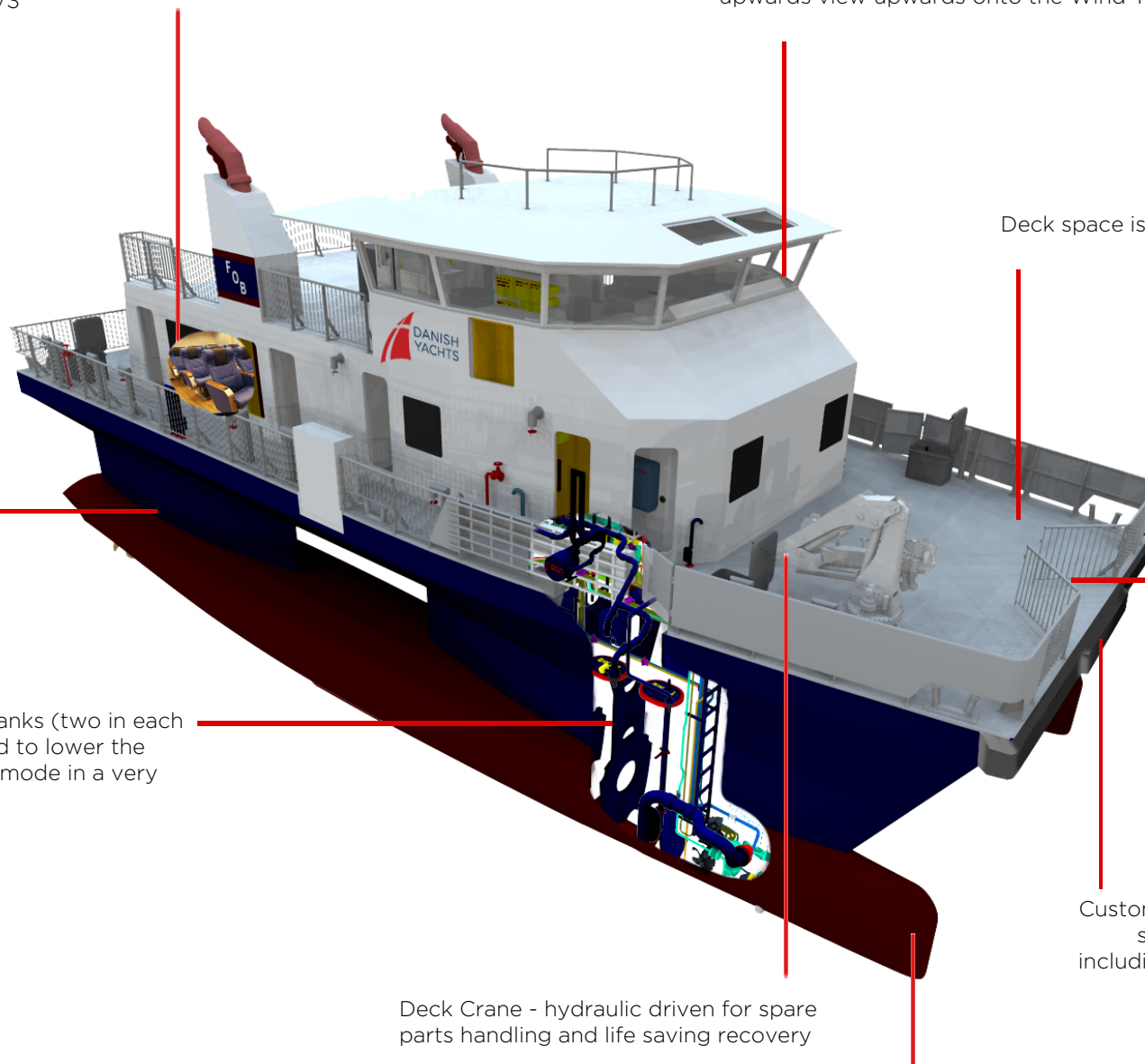
Opening for safe transfer of maintenance teams onto Wind Turbines

There are 4 Fast Ballasted Tanks (two in each hull placed fore and aft) used to lower the vessel from CAT to SWATH mode in a very short time

Customised high friction Forward Fenders for stable connection against Wind Turbine, including sensor pressure monitoring systems

Deck Crane - hydraulic driven for spare parts handling and life saving recovery

Crash Bulkheads

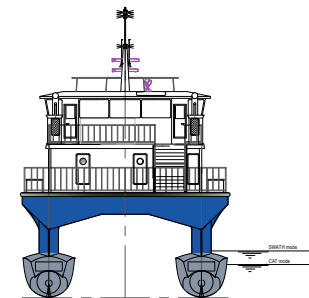
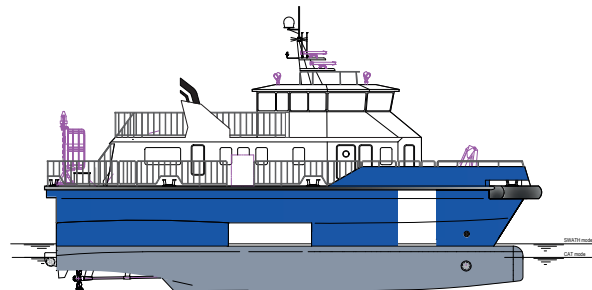


UNDER THE SKIN

The vessel has two different modes of operation, Catamaran and SWATH. When operating in Catamaran mode, it's a high speed, lightweight offshore vessel able to move fast from one location to the next and in SWATH mode it offers outstanding stability in even the roughest conditions.

Thanks to its advanced composite construction and hard chine hull design, it's able to achieve much higher speeds in Catamaran mode than heavier, traditionally built displacement SWATH vessels. Importantly, should conditions dictate, our advanced control systems allow it to change rapidly from Catamaran to SWATH mode while underway.

Built to the same SOLAS standards which is applied to ocean going liners, Danish Yachts' SWATH offers comfortable seating and dining areas for passengers, at the same time providing generous crew sleeping quarters with three single and one double cabin.



READY FOR ANYTHING

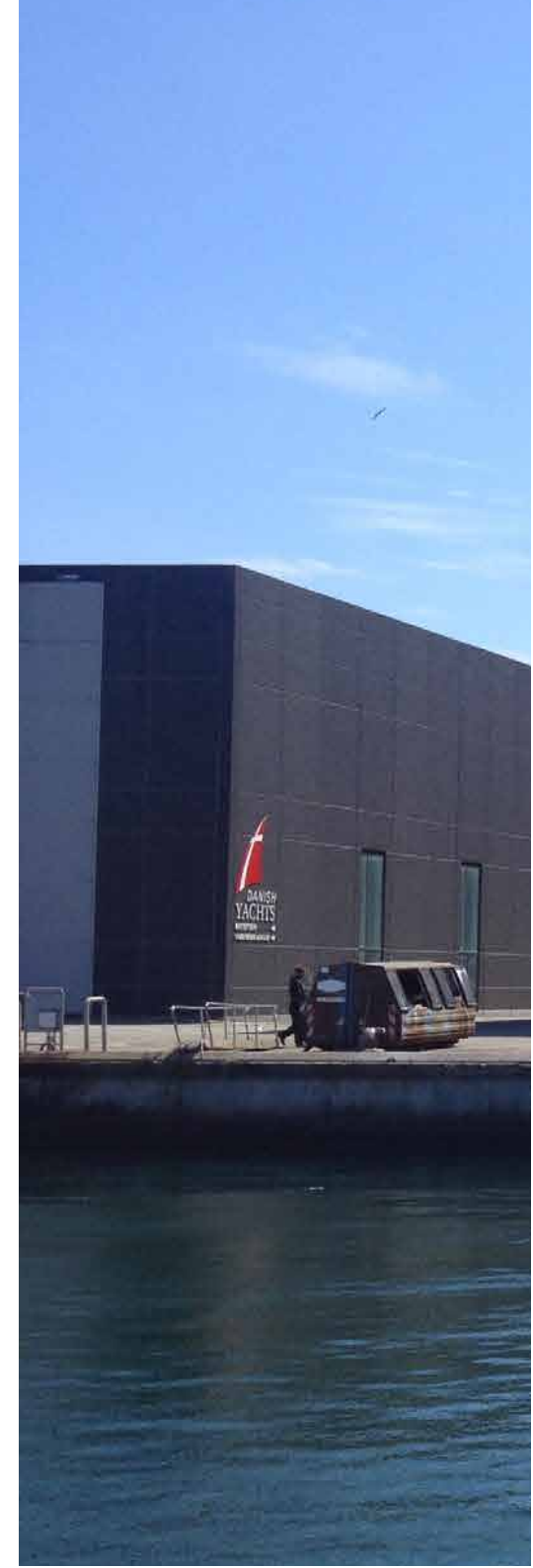
With its 10.6 metre beam, the twin hull configuration helps to provide extra lateral stability for safe operation in challenging conditions; it is particularly stable in significant wave heights, permitting operation in almost all weather conditions while maintaining crew safety and comfort with especially low noise and vibration levels.

The first production series of the Danish Yachts' SWATH vessel has been optimised specifically to take advantage of the remarkable benefits of the SWATH concept for the transport of crew and parts for installation, maintenance and repair work in the offshore wind turbines industry.

Ease of manoeuvrability in high winds using precision controls is essential to ensure safe placement of the turbine maintenance teams onto the wind tower dock at the base of the turbine. The SWATH has a clear bridge area with excellent 360 degree all round vision, including windows for views upwards onto the wind turbines.

The vessel offers sufficient power reserves and customised high friction fender systems to stay safely against offshore wind turbines, and the unique ballast tank system provides stability to allow safe transfer of personnel to and from wind towers in up to 2,5 metre wave heights. To assist even further, the vessel can be fitted with a base for a gyro transfer gangway on the transom.

The Danish Yachts' SWATH 25 metre provides ample space for 24 passengers and five crew over a range of around 500 nautical miles, and with normal stores aboard can happily stay at sea for five days in any weather.





EASE OF MANOEUVRABILITY, EXCELLENT ALL-ROUND VISION AND THE UNIQUE BALLAST SYSTEM FORM A STABLE AND DYNAMIC OPERATIONS PLATFORM

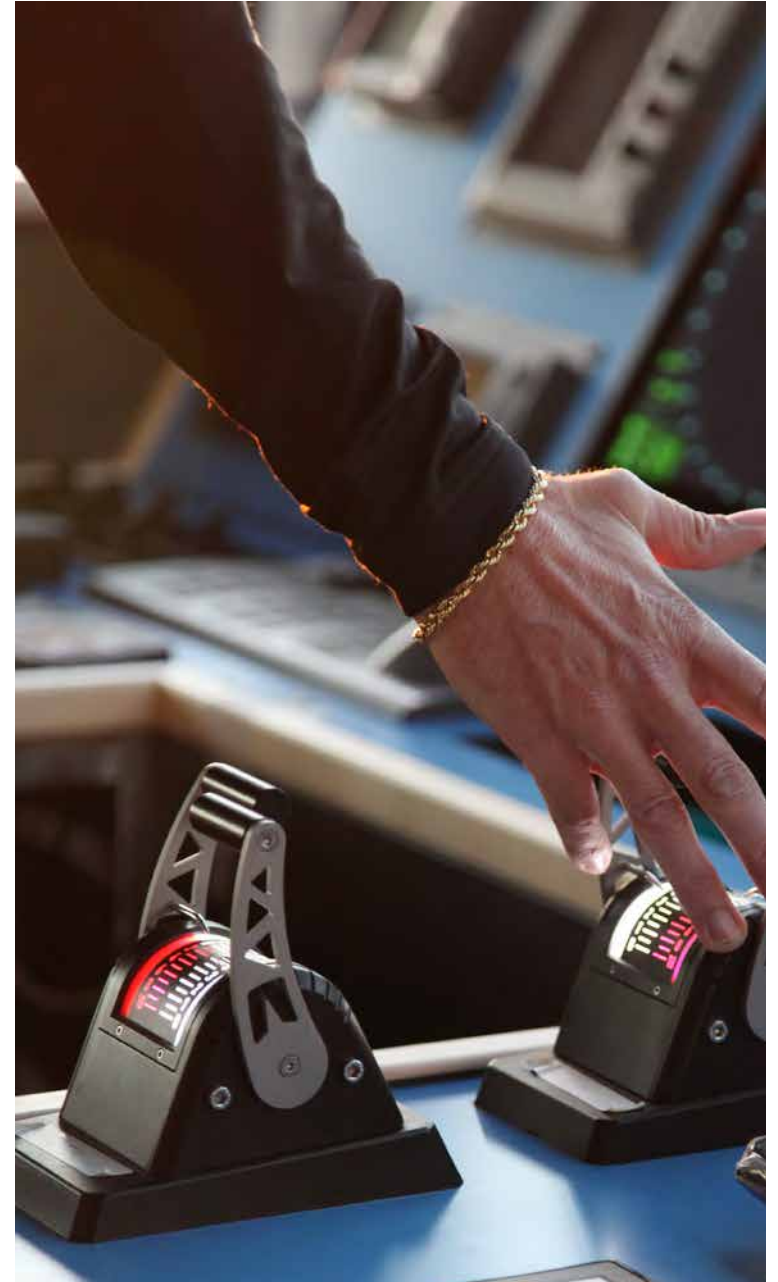


THE INSIDE STORY

The accommodation of our SWATH owes a great deal to our experience in the superyacht market, with the whole vessel finished to a very high standard for crew and passengers alike.

Knowing that assignments will often be carried out in extreme conditions over extended periods, we have paid close attention to the levels of comfort and quality of finish.

The result feels truly first class throughout.





QUALITY OF BUILD

This extremely strong yet lightweight build maximises fuel efficiency and, with less requirement for fuel capacity, we have been able to allow more room for passengers and cargo, as well as providing the durability needed for trouble-free operation in adverse conditions.

This has been made possible by the innovative construction techniques for which Danish Yachts is renowned: The hull and superstructure, as well as internal structure and reinforcements, are built using a carbon/epoxy sandwich and levels of precision more usually associated with the aircraft industry. It's an approach which puts us at the forefront of marine construction.

Danish Yachts' SWATH is built to DNV (Det Norske Veritas) rules as Classification Society and Danish Flag, DMA (Danish Maritime Authority).

SPECIFICATIONS

Principal dimensions

Length	25m
Beam	10,6m
Draught SWATH/CAT	2,5/1,8m
Engines	2xMTU 10V 2000 M72 - 900 kW

Classification

DNV - HSLC, Passenger, R1, Clean, Comf-V(3),
Danish Flag A+B incl 2000 HSC Code.

Capacity and range

Passengers	24
Crew	5 (3 single cabins, 1 double)
Deck space	50m ²
Deck load	10t
Range	26 hours sailing at 90% MCR
Speed	23 Knots (CAT mode)



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