

MOBIMAR 18 WIND OFFERS:

- EXCELLENT SEA KEEPING PROPERTIES – OPERATES SAFELY AND REMAINS STABLE EVEN IN HEAVIER SEA CONDITIONS
- UNIQUE GRIPPING MECHANISM FOR SAFE TRANSFER FROM THE VESSEL TO THE WIND TURBINE BASE
- STEERING CABIN WITH EXCELLENT VISIBILITY
- COMFORTABLE CABIN FOR 12 PASSENGERS
- LOW FUEL CONSUMPTION AND LARGE OPERATING RANGE
- HANDLING IN WAVES AS HIGH AS 2,5 M



THE MOBIMAR TRIMARAN FAMILY



More than twenty years' experience in making mono- and multihull aluminium workboats has taught us the optimal combination of speed, stability, maneuverability and modularity.

Mobimar trimaran vessels are developed for many different uses – for example **fairway service, research, oil recovery tasks and offshore wind farm service**. In addition, we offer a **high-tech trimaran passenger vessel** as well as **tourist submarines**.

When you demand safety, reliability and savings, be sure to choose a vessel designed and built by Mobimar!

MOBIMAR

WE PREFER IT NICE AND WINDY

INTERESTED IN LEARNING MORE ABOUT MOBIMAR TRIMARANS? PLEASE VISIT OUR WEBSITE WWW.MOBIMAR.COM OR CONTACT US BY EMAIL SALES@MOBIMAR.COM OR PHONE +358 207 698 500. OUR VISITING ADDRESS IS PANSIONTIE 56, 20240 TURKU, FINLAND.



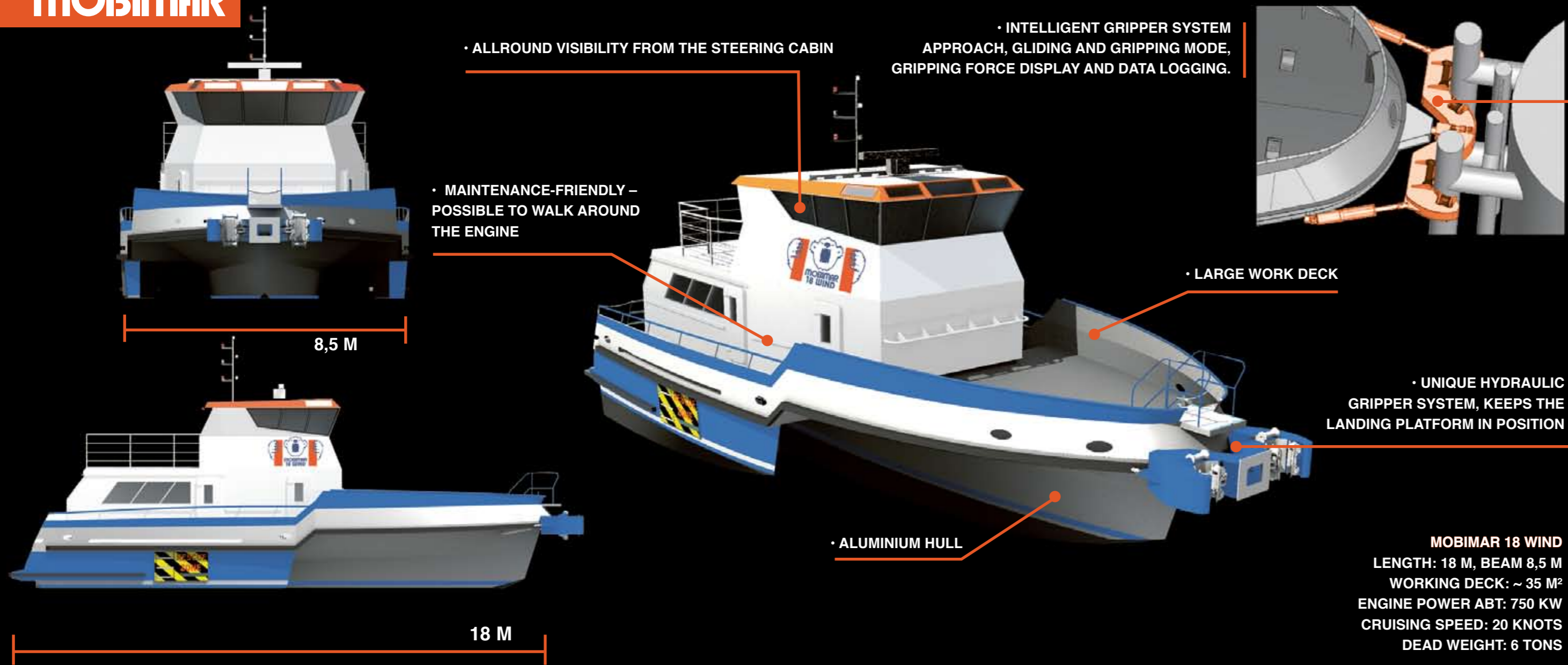
– SAFE TRANSFERS TO WIND FARMS



WANT TO KNOW HOW THIS TRIMARAN CAN OFFER:

- SAFER TRANSFERS TO OFFSHORE WIND FARMS,
- INTELLIGENT GRIPPER SYSTEM → SAFER DISEMBARKATION,
- FUEL SAVINGS OF 200 €/H AND
- 3 MORE ACCESS MONTHS/YEAR?

MOBIMAR



MOBIMAR 18 WIND
 LENGTH: 18 M, BEAM 8,5 M
 WORKING DECK: ~ 35 M²
 ENGINE POWER ABT: 750 KW
 CRUISING SPEED: 20 KNOTS
 DEAD WEIGHT: 6 TONS

MOBIMAR



• APPROACHING ANGLE SIGNIFICANTLY BETTER, ± 90°

BUILDING OPTIONS:
 PROPELLER OR WATER JET PROPULSION
 TWO MACHINERY ARRANGEMENTS
 WITH OR WITHOUT GRIPPER
 DECK OUTFITTING: CRANE, ANCHOR WINCH
 CLASSIFICATION: BUREAU VERITAS, DNV OR EQUIVALENT

5 REASONS TO CHOOSE MOBIMAR 18 WIND:

SAFER TRANSFERS

Mobimar 18 Wind is classified to seastate 4.0 H_s. Thanks to its three slim hulls, it operates safely and remains stable also in harsh weather conditions. The vessel is much less sensitive for rolling and slamming than monohulls and catamarans, provides excellent course-keeping stability and is easily maneuvered. The cabin with 12 passenger seats is comfortable, with a low noise level.

SAFE DISEMBARKATION AT THE WIND TURBINE

Most of the wind farm service vessels just push towards the wind turbine base when disembarking. In tough conditions this will make the transfer not only difficult for the crew, but also dangerous.

Mobimar 18 Wind presents a better solution. The vessel operates in significant wave heights up to 2,5 m and attaches the trimaran safely to the wind turbine with its unique, intelligent gripper system. The wind turbine can be approached from either side, at first attaching one hydraulic gripper arm and then turning the vessel straight in front of the boat landing protection pipes. The hydraulics keep the landing platform in position.

The large roof windows allow the pilot to keep an eye on cargo being lifted to the wind turbine as well as service crew climbing up the ladder.

3 MORE OPERATING MONTHS / YEAR

Mobimar 18 Wind improves the profitability of your company by being highly functional in rough sea. This will drastically reduce the operation downtime of the wind farm and make for 96 more operational days a year!

FUEL SAVINGS 200 €/H

The slim hulls offer less water resistance, which in turn leads to lower fuel consumption. The main engine rating is 750 kw, and compared to catamarans with two similar engines, you can save more than 200 € per hour on fuel costs! And when others push with full throttle towards the wind turbine, Mobimar 18 Wind can run idle.

LARGE WORKDECK

The trimaran work deck is much bigger than the deck of a monohull. The large space can be used for transport of maintenance equipment and a workspace for work that cannot be carried out at the wind turbines.

MOBIMAR 18 WIND TRIMARAN CREW TRANSFER VESSEL

– FOR A SAFE VOYAGE TO THE OFFSHORE WIND FARM

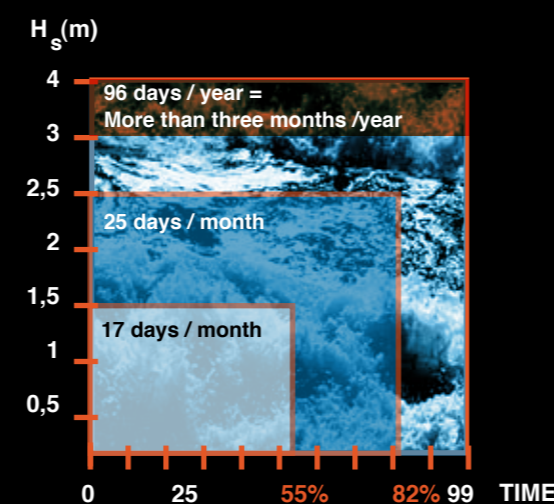
Every day a wind turbine is either down or broken imposes large costs, maybe about 72 000 € a day for a 3 M turbine. But when the wave heights reach 1,5 m at the wind farm, not many vessels leave the harbour. And those that do leave, cannot ensure a safe disembarkation once they get to the wind turbine – the waves can forcefully hurl the vessel towards the wind turbine or suddenly pull it away when the crew is about to climb onto the ladder. Most of the currently used wind farm crew transfer and maintenance vessels are catamarans. They are more stable than monohulls, but their problem is the slamming, which occurs when steering against the waves.

WHY YOU SHOULD CHOOSE A TRIMARAN VESSEL INSTEAD

The three slim hulls of the innovative Mobimar 18 Wind trimaran make it capable of remaining stable also in

harsh weather conditions. The low noise level in the cabin and soft hull movements allow the service engineers to work during the transfer, without getting so easily seasick. The trimaran, designed and built by Mobimar, also features a unique gripping mechanism in the bow, enabling safe disembarkation at the wind turbine.

With a capability to offer safe and comfortable work conditions in up to 2,5 m significant wave heights, this crew transfer vessel can operate as much as 8 more days a month in for example the North Sea. The profitability of the windfarm will increase considerably, as the wind farm access time will be increased by more than 3 months per year. Which means the payback time of Mobimar 18 Wind is remarkably short.



SIGNIFICANT WAVE HEIGHT 2,5 M VS 1,5 M

• USUALLY A WAVE HEIGHT OF MORE THAN 1,5 M PREVENTS THE SERVICE VESSELS FROM MAKING TRANSFERS TO WIND FARMS. ACCORDING TO CUMULATIVE WAVE STATISTICS, THE WAVE HEIGHT IN E.G. THE NORTH SEA IS
 - LESS THAN 1,5 M 55% OF THE TIME (~ 17 DAYS/MONTH)
 - LESS THAN 2,5 M 82% OF THE TIME (~ 25 DAYS/MONTH)
 MOBIMAR 18 WIND CAN OPERATE AND OFFER COMFORTABLE WORK CONDITIONS IN WAVE HEIGHTS UP TO 2,5 M, WHICH MEANS 3 MORE OPERATING MONTHS A YEAR!