



SEAPEM

Offshore wind farm multipurpose-fast
support vessel

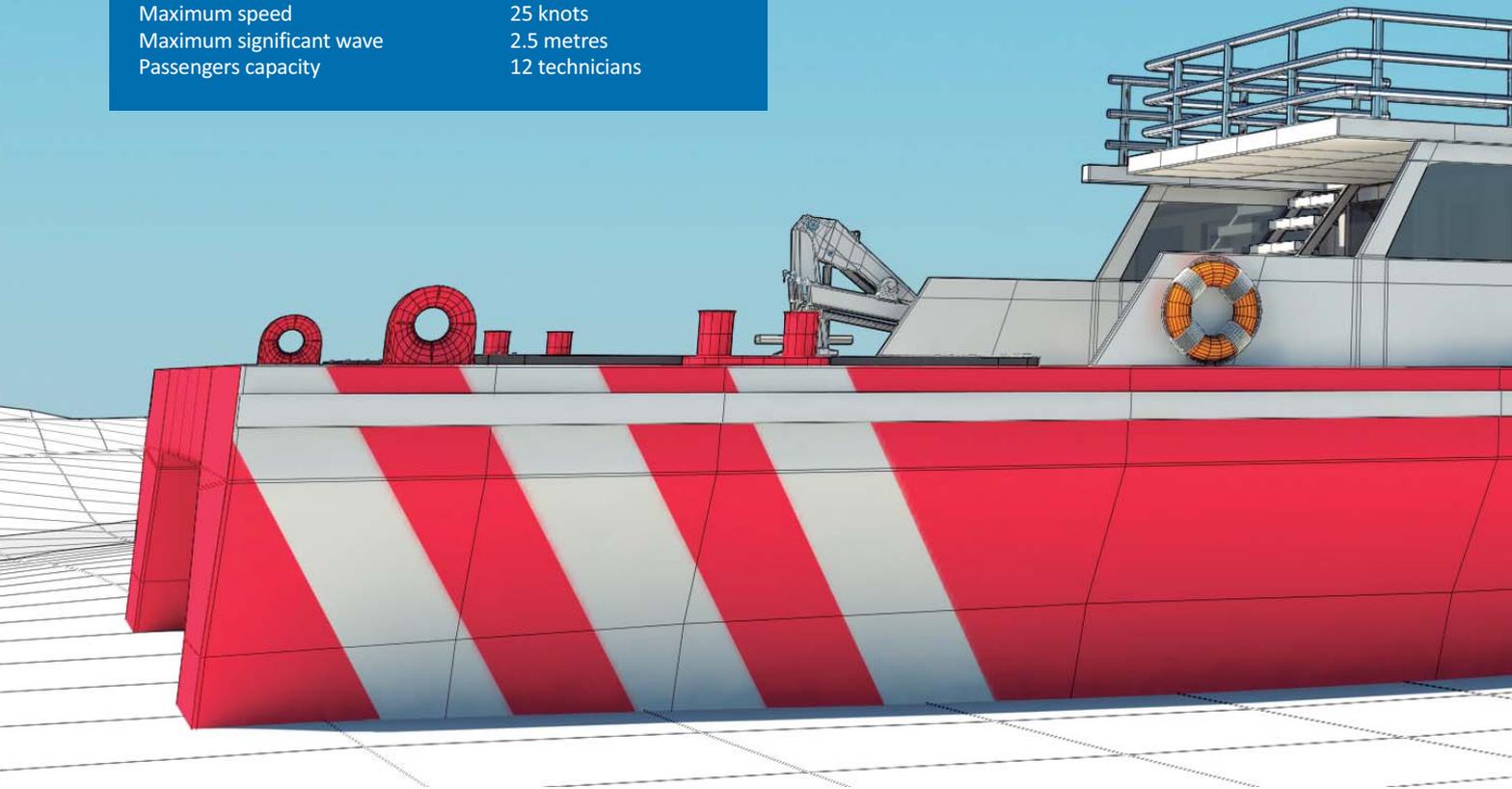


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OFFSHORE WIND FARM SUPPORT VESSEL

Main particulars

Length overall	30.00 metres
Beam	10.00 metres
Height	4.20 metres
Maximum speed	25 knots
Maximum significant wave	2.5 metres
Passengers capacity	12 technicians



The new challenges of the offshore wind industry

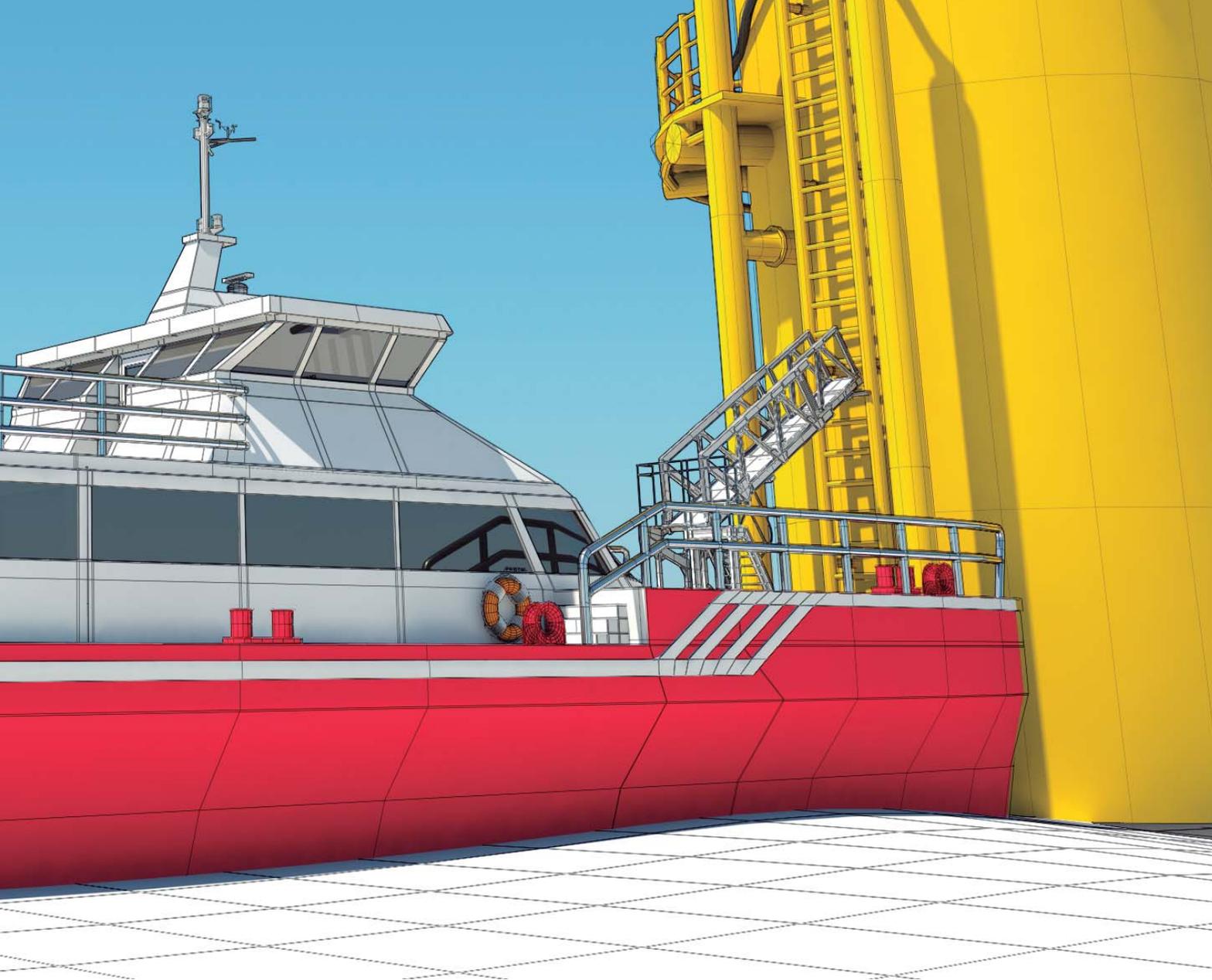
The offshore wind industry has undergone a huge growth in recent years, and the wind farms are being built further offshore. This new scenario brings new needs, which requires innovation in the maintenance operations concept.

Our industry urgently needs a reduction of O&M costs, and also an improvement in safety and comfort performance. Thus SEAPEM, a new multipurpose-fast vessel intended for the new generation of offshore wind farms came out.

Engineering and innovation

SEAPEM is a semiswath vessel. Her innovative hull form optimizes and improves seakeeping. She has been designed thinking in the comfort of the crew and technicians, ensuring a safe transfer to the turbine even in rough weather conditions, and therefore the operative window can be broadened. The SEAPEM main dimensions allow to carry containers and other loads on main deck, which gives the chance of carrying out other activities apart from maintenance operations.

SICMOM is a fleet control and management system which is provided with the SEAPEM. This system allows any vessel to get the real location of the rest of the fleet, and also gives information of the stock material and people on board for every vessel.



Versatility and safety

The concept of SEAPEM integrates a removable compensated platform, which maximizes the vessel benefits. It can be used for any kind of support and maintenance operation.



Model tested

SEAPEM has been optimized with model basin tests with the collaboration of CEHIPAR and ETSIN, two well recognized international centres. Two models were made for towing tests, and also dynamic and manoeuvring tests.

Info and contact

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THE SEAPEM CONSORTIUM

SEAPEM is a R&D project developed by a consortium of four Spanish companies and supported by the EU

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isotrol



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