WINDKEEPER

Offshore wind farm support & maintenance vessel







DELIVER ENERGY AT ITS BEST UNIT COST

MITT

Highest safety levels for transfer

Guarantee well-being and comfort on board

Increase reactivity for unscheduled maintenance

Spread planned maintenance over the year





GET FULL ENERGY PRODUCTION





3 Significant wave height



B 3000 Range at 6 knots

Miles



Operability 24/7 Up to 3m significant wave height

DEDICATED SOLUTION FOR MAINTENANCE

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Safe transfer of personnel & material

WindKeeper's design complies with **high safety levels** during the personnel transfer on the wind turbine, up to 3m significant wave height.

To increase safety and processes on board, Bertin Ergonomics focussed on Ergonomics & Human factors. A special attention was paid to the design and conception of the wheelhouse and transfer system.

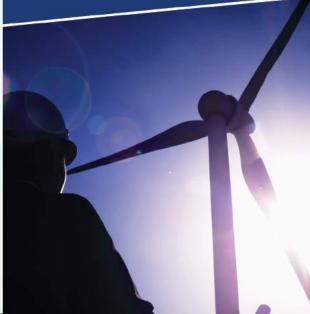


Towing tank tests Towing tank tests have been performed

in November 2014 in order to demonstrate WindKeeper's excellent sea keeping performances.



Safety & comfort as priorities



INNOVATION FOR WIND FARMS

Active day & night transfer system

WindKeeper's **patented** active transfer system is designed to ensure a **smooth hanging** to the boat landing, without damaging it. This system provides a **motion compensation** to transfer safely personnel on the wind turbine.

Wide deck space for working area

WindKeeper offers sufficient workshop to become a **technical offshore base.**

Stores for spare parts and a workshop are available in order to allow parts maintenance on board.

SWATH design with dynamic positioning system

WindKeeper has **excellent sea keeping performances** due to her SWATH hull. The vessel is also equipped with a dynamic positioning system **DP2** to guarantee a safe approach to the windmill.











OPTIMIZED SPACES FOR SAFE & EFFICIENT WORK









WindKeeper, a place to work

Areas dedicated to work

- Open deck
- Workshop with spare parts

350m² storage capacities

- Maintenance stores
- 10' container storages

Customization available

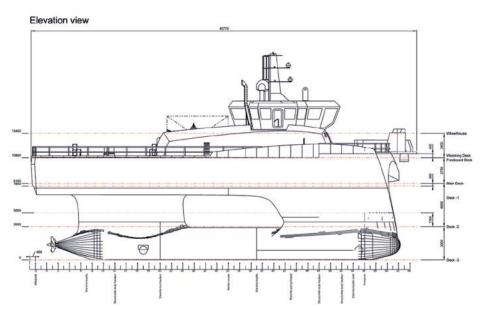
- Cable inspection
- Foundation inspection (ROV/AUV)

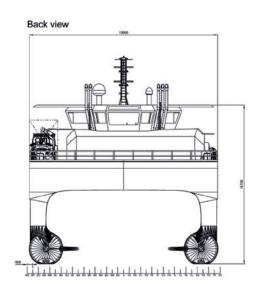
WindKeeper, a place to live

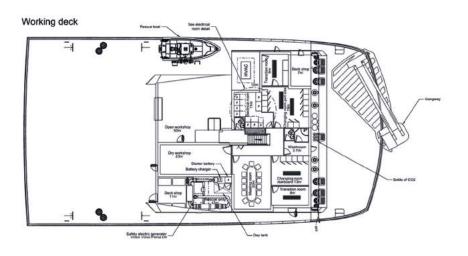
Comfortable accommodation

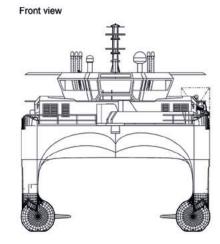
WindKeeper prevents technicians from seasickness due to her SWATH hull and her excellent seakeeping behaviour.

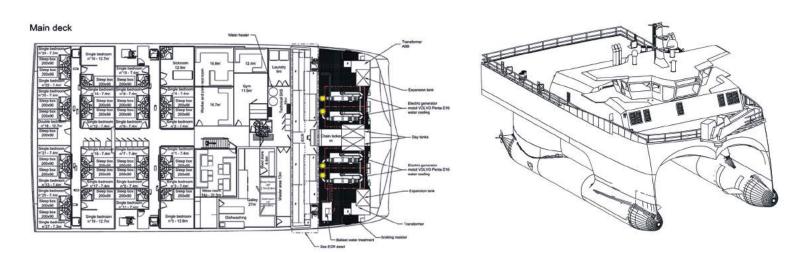
The vessel's accommodation spaces are designed to provide crew with **maximum safety and comfort** during their one month stay on board.











Characteristics of WindKeeper

Dimensions

Overall length	40	m
Beam	20	m
Draft	5 r	n

Capacities

Displacement	850 tons
Payload	30 tons
Speed	
Crew	up to 12
Special persons	24

Propellers

CPP Dynamic Positioning 2 Active compensation systems for stabilization

Generators

4 x Volvo D16 477 kW/60 Hz 1 x Volvo D9 170 kW/60 Hz

Working Areas

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Crew Areas

Conference room	20m ²
Lockers	21 m ²
Rest areas & gym	58 m²
Infirmary	13 m ²

Accommodation

Double guest cabin	5
Single cabins	27
Superior cabins	5

Classification

Bureau Veritas

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