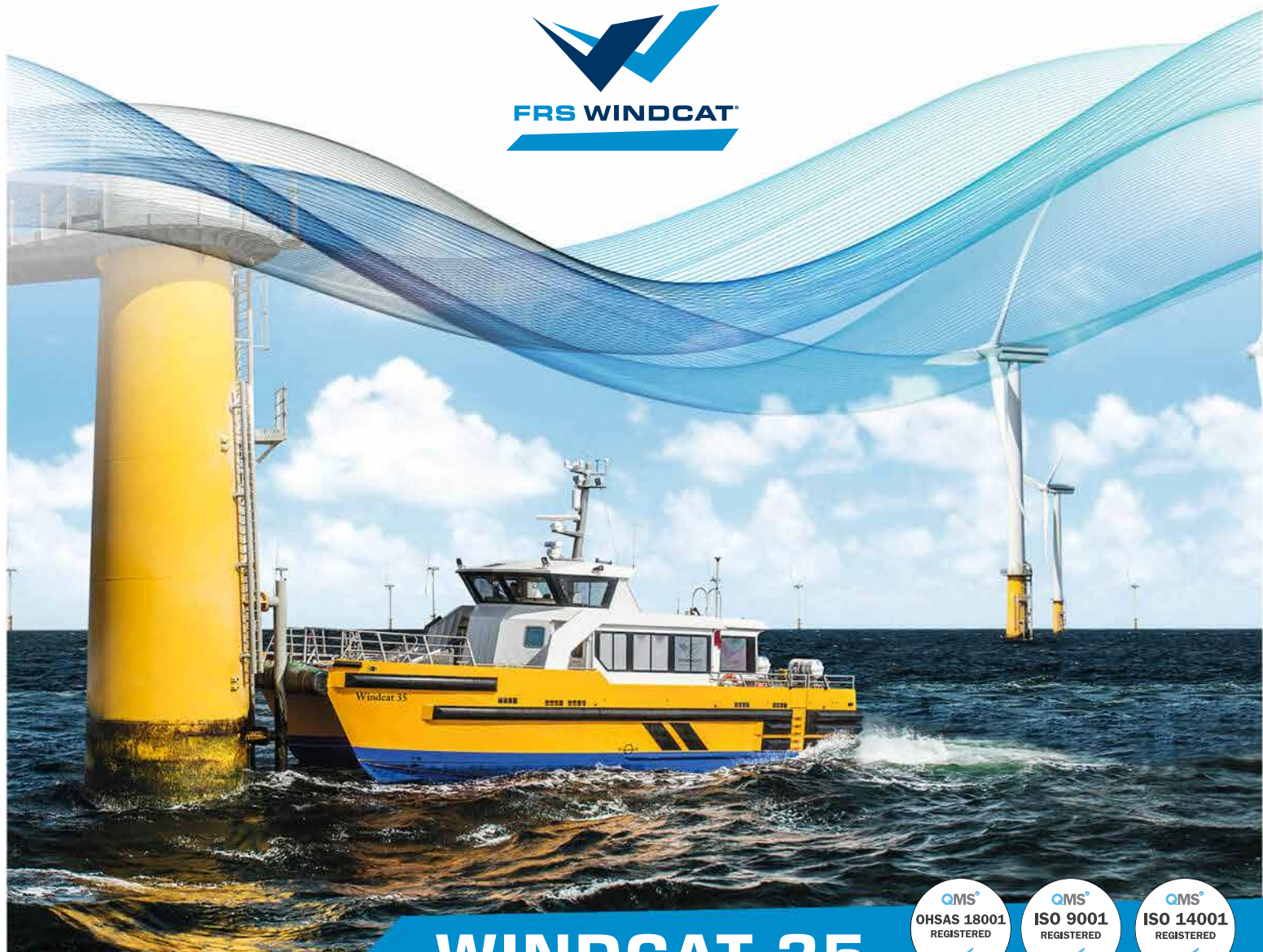




FRS WINDCAT®



# WINDCAT 35



## QUICK INFO

|   |                              |                            |  |
|---|------------------------------|----------------------------|--|
| <b>Max speed [knots]</b>                        | 28,5                         | <b>Additional features</b> | WindGrip system  |
| <b>Service speed [knots]</b>                    | 25                           | <b>Free deck space</b>     | Fore deck 30 m <sup>2</sup><br>Aft deck 7.5 m <sup>2</sup> |
| <b>Consumption ltr/<br/>Hr at service speed</b> | below 200                    | <b>Gross tonnage [GT]</b>  | 68   |
| <b>Carrying capacity [tons]</b>                 | 6                            | <b>Crane</b>               | Hiab 0-27<br>1.8 t SWL                                     |
| <b>Bollard push [tons]</b>                      | 11                           |                            |  |
| <b>Bollard push [tons]<br/>(using Windgrip)</b> | 17                           |                            |  |
| <b>PAX</b>                                      | 12 (upgrade + 6 IP possible) |                            |  |
| <b>Dimensions</b>                               |                              |                            |  |
| › <b>Length over all [L.o.a.]</b>               | 19.0 m                       |                            |  |
| › <b>Beam over all</b>                          | 6.5 m                        |                            |  |
| › <b>Operational Draft</b>                      | 2.0 m                        |                            |  |

Pushing **Energy**  
to the **Max**

FRS Windcat Offshore Logistics GmbH

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## WINDGRIP

The Windcat MK3.2 offers the same large and comfortable accommodation as the standard MK3 vessels, but with the advantage of a larger foredeck. Due to the raised wheelhouse the vessel can carry larger cargo, for example a standard 10 foot container.

The Volvo engines combined with the Servogear Ecoflow Variable Pitch propellers give the vessel high performance both in transit at high speeds and transferring to an offshore structure, while still remaining fuel efficient.

### INFO

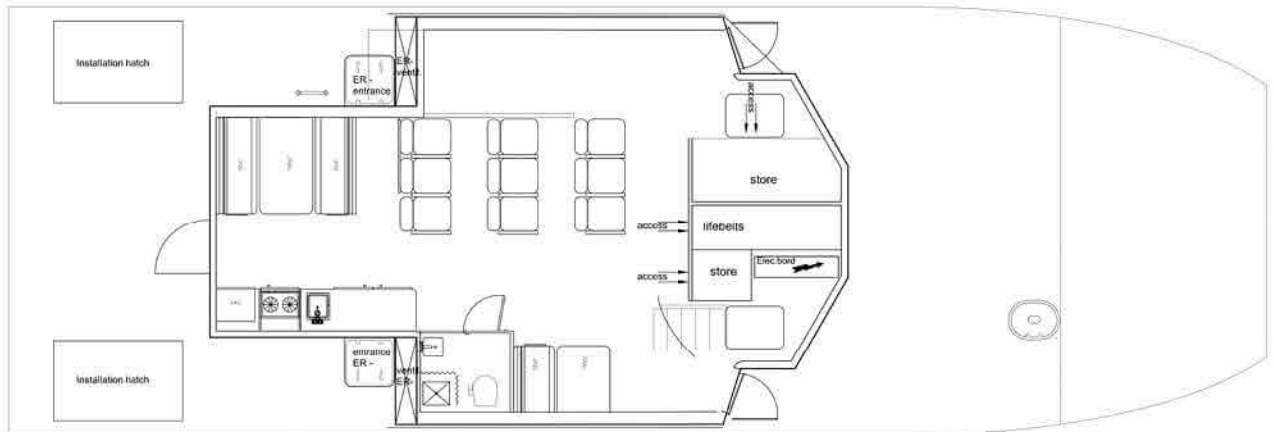
|                         |   |
|-------------------------|---|
| <b>Year of building</b> | 2014  |
| <b>Construction</b>     | Aluminium                                     |
| <b>Main engines</b>     | 2x Volvo D16MH, 550 KW                        |
| <b>Propulsion</b>       | 2x Servogear Ecoflow variable pitch propeller |
| <b>Flagstate</b>        | German Flag<br>Offshore Service Craft         |
| <b>Classification</b>   | DNV GL 100 A5<br>Workboat HSDE III            |
| <b>Fender system</b>    | Unique soft core energy absorbent fender      |

The patented WindGrip access system was developed by Windcat Workboats, the Dutch joint-venture partner of FRS Windcat Offshore Logistics, to increase the accessibility of wind turbines. The main advantages of the WindGrip system are improved accessibility, safety and fuel efficiency.

The robust and efficient transfer system is equipped with several security systems and fail-safe mechanisms. Slings are wound around the boat landing tubes and hooked on to the nylon rope on the winch. By means of a control system, the vessel's master can activate the automatic tensioning function of the winches. The WindGrip system increases the contact pressure to the turbine by up to six tons, which ensures safer transfer from vessel to turbine despite rougher sea conditions. Experiences throughout Europe, where 28 WindGrip systems are currently in use, show that up to 95% of fuel can be saved per hour. In Germany, it was already operational in several windfarms in the North and Baltic Sea. In 2016, the WindGrip system won the "Renewable UK Health and Safety Award".

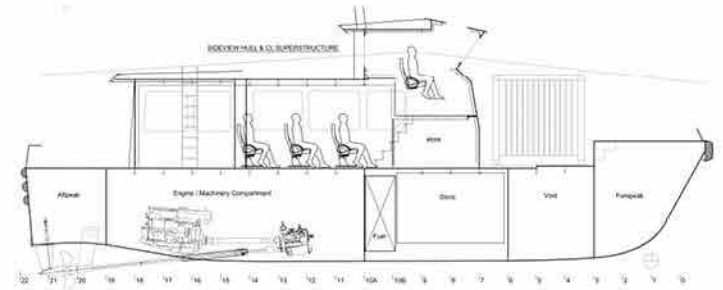


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### Accommodation

Comfortable seats and desk seating, heated room for sensitive goods. Seating is arranged for 12 PAX on comfortable, reclining seats giving good outside views, 1x2 benches and tables with computer points. A full entertainment set is provided with a games console. Cooking, coffee and tea facilities are available, as well as a shower and toilet.



### Storage

Enlarged fore deck, laid out suitable for carriage of storage containers, generators or other cargo. Internal storage racks for bags and equipment.

### Safety equipment

Lifejackets 16 permanent buoyancy, 15 immersion suits, Life raft capacity 2x16 persons capacity, Life-buoys 3, 2 with lines and 1 with light, Defibrillator Defibtech DDU-100, 1x mob rescue sling, 1x rescue net

### Deck load

Up to 6,000 kg on the strengthened fore deck.

Engine rooms: Fire pro system;  
Extinguishers: 14  
 > 7 Dry powder  
 > 4 foam  
 > 3 CO<sub>2</sub>

### Navigation equipment

All navigation equipment is wheel marked where required consisting of plotter, radar, GPS, SART, EPIRB, AIS type A, depth sounder, VHF (2x), Seamarshall crewfinder.

### Other equipment

> High pressure washers can fitted if required.  
 > Equipment for de-icing of turbines

### Key systems

- > **Electrical**
- > **Fuel**
- > **Fresh water**

12/24/220 Volt  
 Total capacity of tanks 5,000 liter  
 Total capacity of 500 liter



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