

# CTruk SWATH20



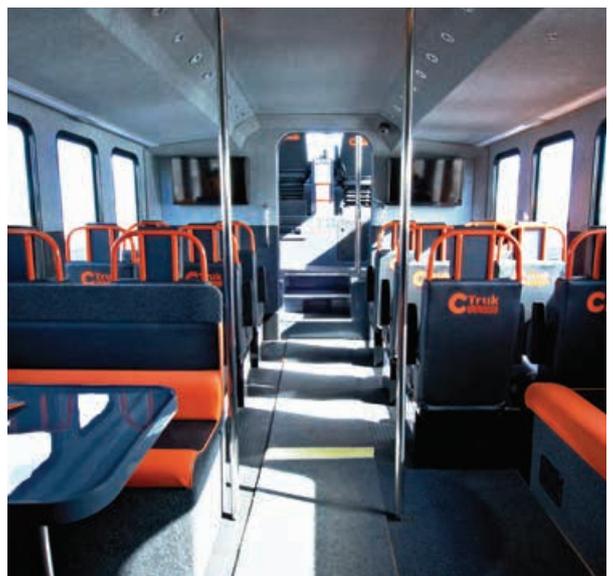
The SWATH20 (small waterplane area twin hull) design objectives were to dramatically improve the comfort of technicians transiting to offshore wind farms. Motions are approximately a quarter of those of conventional catamarans, significantly increasing the wave height limits for technician transfer.

The SWATH hull form allows much higher speeds than conventional catamarans in sea states of over 1 metre significant wave height and a dynamic ride control system greatly reduces roll and pitch for a comfortable transit. Tests have also shown that the force needed to hold the vessel against the turbine transition piece is a quarter of that needed by a conventional workboat.

The vessel is highly seaworthy with solid and stable handling. A refined hull shape gives extra displacement, optimising inherent versatility with the option to carry more weight. The ability for this vessel to reduce draft allows access to shallow harbours and for the craft to beach safely.

As with all CTruk craft, the SWATH20 is of tough composite structure with Kevlar plating in key areas, and is built with sub-division providing damage stability in excess of current UK standards.

The SWATH20 will have a marked impact on operations for Round 1 and Round 2 offshore wind farms, but was designed with Round 3 in mind. CTruk envisages that this vessel will be davit launched from mother ships to provide cost-effective access to offshore installations in all but the roughest seas.

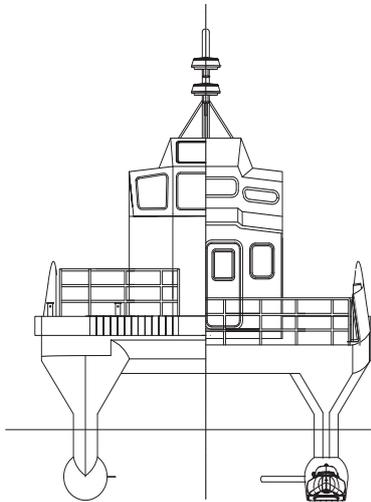


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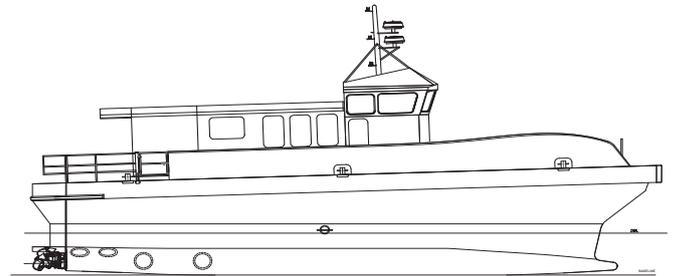
## Main Particulars

- Length overall: 20m
- Beam overall: 7.5m
- Draft: 1.3m
- Displacement (lightship): 32 tonnes
- Hull material: Infused composite
- Forward deck space: Up to 34m<sup>2</sup>
- Aft deck space: Up to 10m<sup>2</sup>
- Cruising/top speed: 20/24 knots
- Accommodates 12 passengers



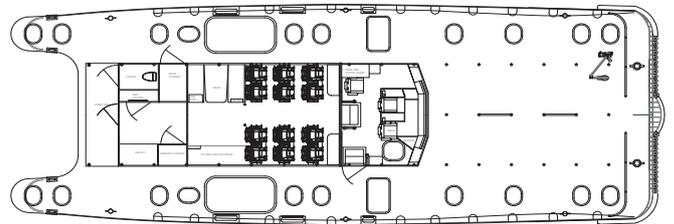
## Main Features

- Moveable wheelhouse
- Multiple deck combination
- Outside remote helm position
- Single-handed MOB recovery system
- CTruk flexible modular pod system (patented)
- Volkorf bow (patent-applied)



## Main Equipment

- 2 x Cummins QSM11 610hp marine engines
- 2 x Rolls-Royce Kamewa waterjets
- Simrad electronics
- Dynamic ride control system
- Cummins Onan 9.5kW generator
- 4,000 litre fuel capacity
- 340 litre fresh water capacity
- Inverter/charger 3kVA



## Classification Options

- Structure to BV | ✕ HULL Wind Farms Service Ship - S1 Sea Area 3
- MCA SCV Category 2