

CTV 27m



CREW TRANSFER VESSEL - WINDFARM SUPPORT VESSEL



Developed internally, the 27m PIRIOU CTV benefits from previous Crew Transfer Vessels deliveries to the offshore wind industry and more than 100 crew boats built for the oil and gas sector.

Designed to ensure, in optimal comfort and safety, a fast transfer of personnel and equipment.

This versatile aluminium-built catamaran carries 24 technicians, 5 crew and up to 3x 10 feet ISO containers.

The vessel is 27.5m in overall length and a beam of 9.70m.

With large fuel capacity, high volumes and space for comfortable and functional accommodation, this CTV meets the demanding requirements of wind farms located farther and farther offshore.

Powered by two diesel engines driving a controllable pitch propeller (CPP).

For better fuel-efficiency an hybrid propulsion system incorporating an electric motor and also a «hybrid ready» version are available. In harbour and during in-field transit and in-field idle operations the hybrid mode allows zero emission.

She can operate up to 150 nautical miles from a safe haven (UK MCA HS-OSC Workboat Code Category 1).

- Certified Bureau Veritas for windfarm vessels. Compliant with European regulations for the transfer of 24 technicians
- Spacious and comfortable personnel area for 24 persons, mess, galley, changing room, baggage storage facilities
- Catamaran hull designed to enhance seakeeping
- Transfer up to 2m significant wave height
- Excellent manoeuvrability provided by a dual CPP propulsion system
- Electrical hybrid propulsion option
- High fuel capacity over 26.5 m³ to optimize autonomy and wind turbine refuelling
- Spacious decks for cargo capacity, deck crane

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A hydrogen hybrid design of the 27m PIRIOU CTV is under development and will be available current 2021.

MAIN CHARACTERISTICS

Length overall	27.50 m
Breadth	9.70 m
Draught	1.55 m
Hull / superstructure	aluminium
Crew	up to 5
Industrial personnel	up to 24
Bollard push	18 t
Deck load	8 t
Cargo capacity	1 x 20' and 1 x 10' or 3 x 10' containers
Max. deadweight	25 t
Aft cargo area	15 m ²
Forward cargo area	45 m ²
Deck loading capacity	1.5 t/m ²
Fuel	26.5 m ³
Fresh water (domestic)	3 m ³
Grey/black waters	3 m ³
Foredeck foldable crane	1.1 t @ 7.60 m
Adjustable interceptors	
Side door	

OPTIONS

Bow thrusters (2 x 30 kW)
Deck crane: other capacity upon request

CLASSIFICATION

Bureau Veritas • HULL • MACH
Wind farms service ship - S1, Sea Area 2
Hybrid ZE class notation for hybrid configuration
(Other classification societies upon request)

ACCOMMODATION

Fully air conditioned 20-25°C/55% RH
With external conditions -10°C to 35°C/85% RH
Cabins 2x 2 persons & 1x 1 person
Resiliently mounted superstructure

PERFORMANCES

Speed @ 85 % MCR (10 t deadweight)	23.5 kn
Max. speed @ 100 % (10 t deadweight)	25 kn
Range @ 23.5 kn (10 t deadweight)	340 NM

PROPULSION / MACHINERY

CPP propulsion system
Engines 2 x 1029 kW (IMO Tier II)
or 2 x 1066 kW (IMO Tier III)
Generator sets 2 x 27 kW
or 2 x 40 kW (if bow thrusters option is selected)

No generator needed for the hybrid version