



- *Safe and stepless people transfer by 3D motion compensated gangway up to Hs 3.0 metres winter workability*
- *3D motion compensated knuckle boom crane for efficient cargo handling*
- *Highly optimized hull form with Ulstein X-BOW and X-STERN to offer unmatched workability in adverse weather conditions*
- *State of the art hotel facilities to accommodate up to 120 persons and ample deck space for cargo storage (1000 m<sup>2</sup>)*
- *Helideck with D value of 18.0m and a T value*

# Acta Centaurus

## CLASSIFICATION / FLAG

Type:	DP2 Construction Support vessel
Delivery:	May 2019
Flag:	Dutch
Class society:	DNV-GL
Classification:	DNV-GL +1A SF, E0, Offshore Service Vessel, Walk2Work, Strengthened (DK, HA), DYNPOS (AUTR), CLEAN (DE- SIGN), COMF(C-2, V-2), NAUT(OC), BWM(T), BIS, SPS 2008, HELDK.
Autonomy:	approx. 30 days

## MAIN DIMENSIONS

Length O.A:	93.4 m
Breadth moulded:	18.0 m
Depth moulded:	7.6 m
Draught design:	5.6 m
GRT:	6050 mT
Deadweight @ design draught:	2600 mT
Weather deck (Deck A) area:	500 m <sup>2</sup>
Main Deck area:	500 m <sup>2</sup>
Weather deck (Deck A) max load:	250 mT
Main Deck max load:	650 mT



## MACHINERY & PROPULSION

Main diesel generator:	2x 1700 ekW
	2x 940 ekW
Emergency generator:	1x 200 ekW

## PROPULSION

Stern thrusters:	2x 1500 kW @ 0 - 1200 rpm
Bow thrusters (tunnel thruster):	1x 1040 kW @ 1200 rpm
Bow thrusters (swing-up thruster):	2x 880 kW @ 1800 rpm
DP2 system:	Rolls Royce ICON with 2 x 2 Operator Systems
Reference systems:	3x Wind sensor 3x Motion reference unit 3x Position reference system (2x DGPS + 2x CyScan)
Station keeping ERN:	[99, 99, 97, 95]

## SPEED

Max. speed (@ 5.5 m draught):	12 knots
Max. DP speed (@ 5.5 m draught):	10 knots

## CAPACITIES

Fuel oil:	800 m <sup>3</sup>
CTV fuel:	180 m <sup>3</sup>
Consumption in DP mode:	8 m <sup>3</sup> /day approximate
Lub oil/hyd. Oil etc.:	40 m <sup>3</sup>
Fresh water:	840 m <sup>3</sup>
Water ballast:	1970 m <sup>3</sup>
Containers:	24 TEU divided over 2 deck levels

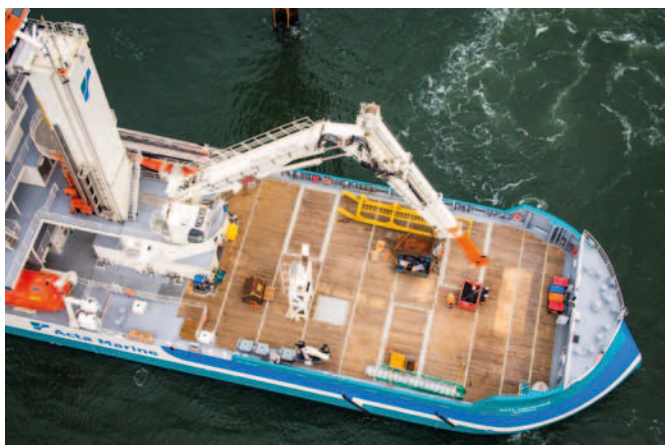


## DECK AND HOLD EQUIPMENT

- Motion compensated gangway with integrated tower and lift for safe personnel and cargo transfer up to 3.0m Hs
- 3D motion compensated knuckle boom crane (capacity 20t without compensation or 6t with compensation), 36m lifting height above water level
- Detachable Boat Landing that can be fitted on both sides of the vessel for CTV landing
- CTV refueling installation
- Smart container skidding and seafastening system
- Fast Rescue Craft an sufficient deck space which allows to add Daughter Craft if required
- Helideck with D value of 18.0m and a T value (max. allowable weight) of 7.5 ton.

## ACCOMMODATION & FACILITIES

Person on board:	120 Including marine crew
Double cabins:	40 Cabins equipped with large comfortable beds and ensuite sanitary facilities
Single cabins:	40 Cabins equipped with large comfortable beds and connected ensuite sanitary facilities
Offices:	3 Client offices on Main Deck and 2 Client Offices on D-Deck. 2 Crew Offices on D-Deck. All provided with internet, external telephone and TV screens
Cinema:	Multifunctional area with a large TV screen
Hospital:	Centrally located and easily accessible from both accommodation and outside work areas
Changing/dry room:	2x Changing rooms (male, female) and 1x dry room on the main deck
Client dedicated areas:	2x Charterer's workshop
Mess room/restaurant:	Spacious mess room for 64 persons
Catering:	Hot and cold buffet counter to provide 24/7 service
Day room:	Multiple lounge suites with game facilities, TV screens, library etc.
Recreation:	Sauna and modern fitness equipment combined with TV and music facilities
Communication:	State of the art V-SAT broadband transmit/receive system
Internet & TV:	All areas in accommodation have WIFI access for internet; cabins are equipped with fully integrated entertainment system with "bring your own device" functionality together with television and video on demand services





# Acta Centaurus



## MOTION COMPENSATED GANGWAY

The SMST motion compensated gangway provides safe and flexible Walk-to-Work operations in significant wave-heights (Hs) up to 3.0 metres. Capable of working over both sides of the vessel, it is mounted on a height adjustable integrated tower. The integrated elevator allows for stepless cargo and people flow from different deck levels to the gangway platform without exposing them to the weather. The gangway is capable of lifting cargo up to 1 ton with motion compensation. The gangway facilitates efficient handling of electronic cargo trolleys loaded with 300 kg Euro palets.

## 3D COMPENSATED CRANE

Acta Centaurus features a 3D-motion compensated knuckle boom crane supplied by SMST. In offshore mode, it can lift 20 ton without compensation and 6 ton with compensation. At maximum draught, lifting height is 36m above water level. The 3D crane radius is between 5.0 and 29.5 meters.

## LARGE DECK SPACE FOR IMPROVED AUTONOMY

Thanks to the efficient use of space, the vessel offers 500 m<sup>2</sup> indoor cargo space and 500 m<sup>2</sup> cargo space on the weather deck. A total of 24 TEUs can be stored on the two deck levels allowing clients to take all the equipment necessary for longer offshore campaigns. The vessel will have autonomy of approx. 30 days.

## 'SMART HOTEL' EXPERIENCE

All accommodation areas are designed with the primary focus that well rested personnel are productive personnel. Acta Centaurus provides 80 cabins compliant with 'DNV Comfort Class level 2' for up to 120 people. Cabins and public spaces are furnished with high quality materials and features.

In addition, we offer a state of the art buffet style restaurant, multi-functional public area's and modern sauna and gym facilities. Smart Wi-Fi connectivity allows personnel to connect their own digital devices to internet and Video-on-Demand services from anywhere aboard.

## OPTIMIZED HULL FORM

Acta Centaurus hullform features Ulstein's renowned X-BOW and X-STERN design. This has numerous benefits:

- Greater flexibility and operability while working at offshore wind farms or O&G installations
- X-STERN allows for astern operations over 70% of the time; leading to optimal station keeping and maneuverability around offshore turbine
- Substantial reduction in slamming, noise and vibrations results in increased crew comfort

Qualified as a supplier:



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Details are believed to be correct but can not be guaranteed and are subject to change (05-2019).