



- Capable to run dual fuel Methanol (MeOH) and MGO with ample methanol tank capacity (380 m<sup>3</sup>)
- Safe and stepless people transfer by 3D motion compensated gangway up to Hs 3.0 meters with excellent winter workability
- 6t 3D motion compensated knuckle boom crane for efficient cargo handling
- Highly optimized hull form with Ulstein twin X-BOW design to offer unmatched workability in field and adverse weather conditions
- State of the art hotel facilities to accommodate 135 persons and ample deck space for cargo storage (940 m<sup>2</sup>)

# Acta TBN – SX216

## CLASSIFICATION / FLAG

Type:	DP2 Offshore Service Vessel
Delivery:	1x Q2 2024, 1x Q3 2024
Flag:	Dutch/french
Class society:	DNV
Classification:	1A*, SF, E0, Offshore Service Vessel, Strengthened (DK, HA), DYNPOS(AUTR), NAUT (OC), LFL Fuelled, Clean(Design), BWMT, COMF-V(2), COMF-C(2), BIS, Recyclable, Battery(Power), ER(SCR, Tier III), SPS, Walk2Work. minimum 45 days
Autonomy:	

## MAIN DIMENSIONS

Length O.A:	89.6 m
Breadth moulded:	19.2 m
Depth moulded:	7.6 m
Draught design:	5.0 m
GRT:	Approx. 6749 t
Deadweight @ max draught:	2200 t
Weather deck area (open):	440 m <sup>2</sup>
Main deck area (sheltered):	500 m <sup>2</sup>
Weather deck max load	600 t
Main deck max load	400 t
Load bearing capacity:	5 t/m <sup>2</sup>

## MACHINERY

Main diesel generator:	3 main diesel generator ABC 1590 bkW @ 100% MCR @ 900 RPM
Emergency generator:	1 x 200 ekW



## PROPULSION

Stern thrusters:	2 x Veth permanent magnet azimuth thruster with nozzle, 1500 kW, 0 – 720 rpm, D = 2.4 m
Bow thrusters:	2 x Veth permanent magnet azimuth thruster with nozzle, 1500 kW, 0 – 720 rpm, D = 2.4 m
DP2 system:	GE Power Conversion with 2 DP consoles each supplied with 2 VHF stations
Reference system:	3 x wind sensors with heating 3 x motion reference unit 2 x satellite based DPRS 1 x target less laser based local reference system (SceneScan)

## SPEED

Max speed @ 3000 kW	12,8 knots
Max speed in DP both fwd and astern	10,0 knots

## CAPACITIES

Fuel oil:	450 m <sup>3</sup>
Methanol:	380 m <sup>3</sup>
CTV fuel:	65 m <sup>3</sup>
Fresh water:	340 m <sup>3</sup>
Ballast water:	1500 m <sup>3</sup>
Containers:	24 x 20 ft containers (12 x open & 12 x sheltered)



## DECK AND HOLD EQUIPMENT

- Motion compensated gangway with integrated tower and lift for safe personnel and cargo transfer up to Hs 3.0 meters
- 6t 3D motion compensated knuckle boom crane (capacity 20t without compensation) with lift height of 32 meters above sea level
- Height adjustable boat landing fitted of port side of the vessel
- CTV refueling station
- Smart container skidding and sea fastening system
- Designed and prepared to install a helideck or Daughter Craft



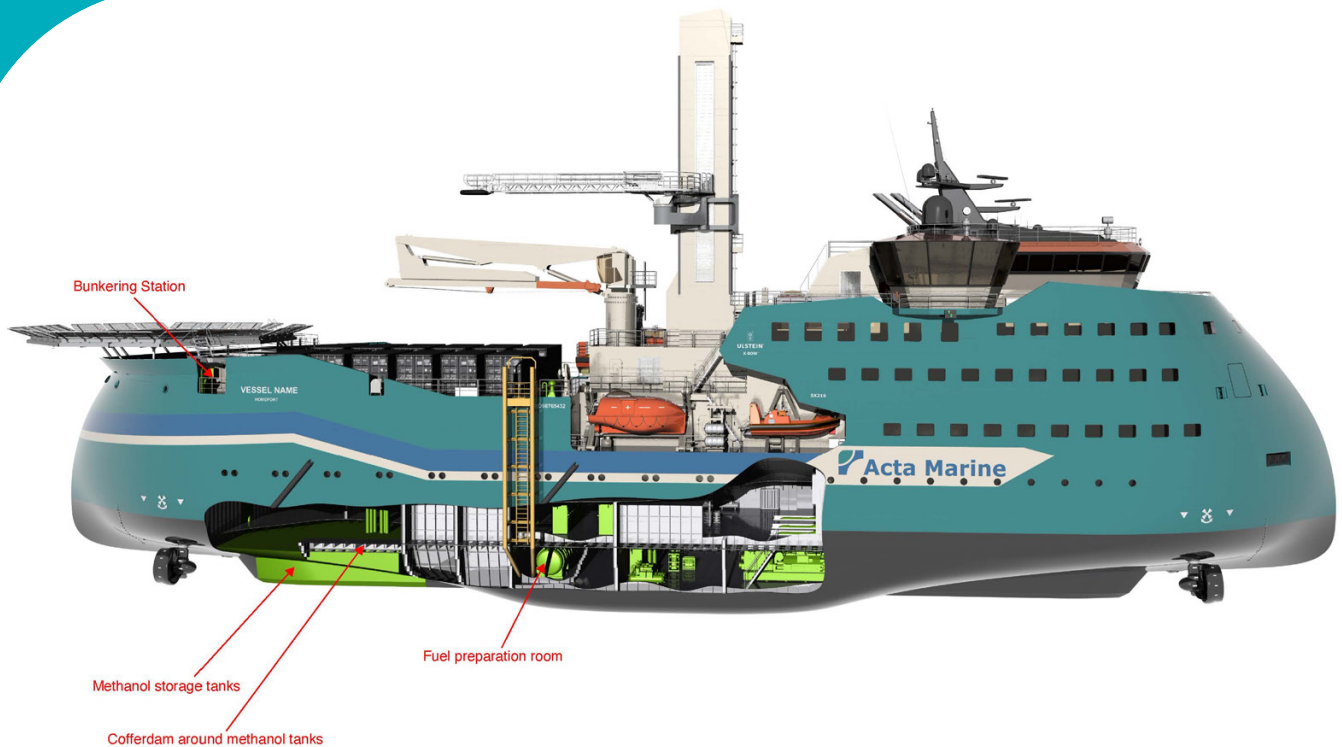
## ACCOMMODATION & FACILITIES

Persons on board	135 including marine crew
Double cabins	47
Single cabins	41 (incl. 3 officer cabins)
Offices	3 x
Conference room	10 persons
Cinema/ introduction room	Multifunctional area with a large TV screen
Gaming area	3 x client offices on C-deck and A-deck with large room orientated to weather deck. All provided with internet, external telephone and TV screens
Hospital	Centrally located and easily accessible from both accommodation and outside work area and step less approach
Changing room/ dry room	2 separate rooms (male/ female) with sanitary and dry area for 100 suits
Client workshop/store:	1 x charterer workshop and 1 x charterer store
Mess room/ restaurant:	Spacious mess room for 40 persons and garden mess room for 40 persons
Catering:	Hot and cold buffet counter to provide 24/7 services
Day room:	Multifunctional lounge suites with tv screens, library etc.
Recreation:	Sauna and 2 x modern gym area with modern fitness equipment combined with TV and music facilities





# Acta TBN – SX216



## OPTIMIZED SYMMETRICAL HULL FORM

Acta SX216 hullform features Ulstein's symmetrical twin X design. The properties of the double X-STERN design reduce pitching and increase operability, and it is beneficial to be positioned with the stern on the weather. This design has numerous benefits:

- Lower acceleration motions which contributes to improved motion sickness index
- Reduce noise onboard the vessel
- Excellent maneuverability in all directions

## METHANOL

Dual fuel engines capable of running on both MDO alone as well as a blend of MeOH and MDO (up to 80% MeOH). Specific locations of bunkering station is designed in order to allow for simops during port calls.

## MOTION COMPENSATED GANGWAY

The SMST motion compensated gangway provides safe and flexible Walk-to-Work operations in significant wave-heights ( $H_s$ ) up to 3.0 metres. 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 SX216 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, lift-ing height is 36m above water level. The 3D crane radius is between 5.0 and 29.5 meters.

## 'SMART HOTEL' EXPERIENCE

All accommodation areas are designed with the primary focus that well rested personnel are productive personnel. Acta SX216 provides 88 cabins compliant with 'DNV Comfort Class level 2' for up to 135 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.



Qualified as a supplier:



**Acta Marine**

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Details are believed to be correct but can not be guaranteed and are subject to change (09-2022).