

Acta Auriga

DP2 W2W Construction Support Vessel



- *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 m²)*

Acta Auriga

CLASSIFICATION / FLAG

| | |
|-----------------|--|
| Type: | DP2 Construction Support vessel |
| Delivery: | April 2018 |
| Flag: | Dutch |
| Class society: | DNV-GL |
| Classification: | DNV-GL +1A SF, E0, Offshore Service Vessel, Walk2Work, Strengthened (DK, HA), DYNPOS (AUTR), CLEAN (DESIGN), COMF(C-2, V-2), NAUT(OC), BWM(T), BIS, SPS 2008. |
| 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 ² |
| Main Deck area: | 500 m ² |
| 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

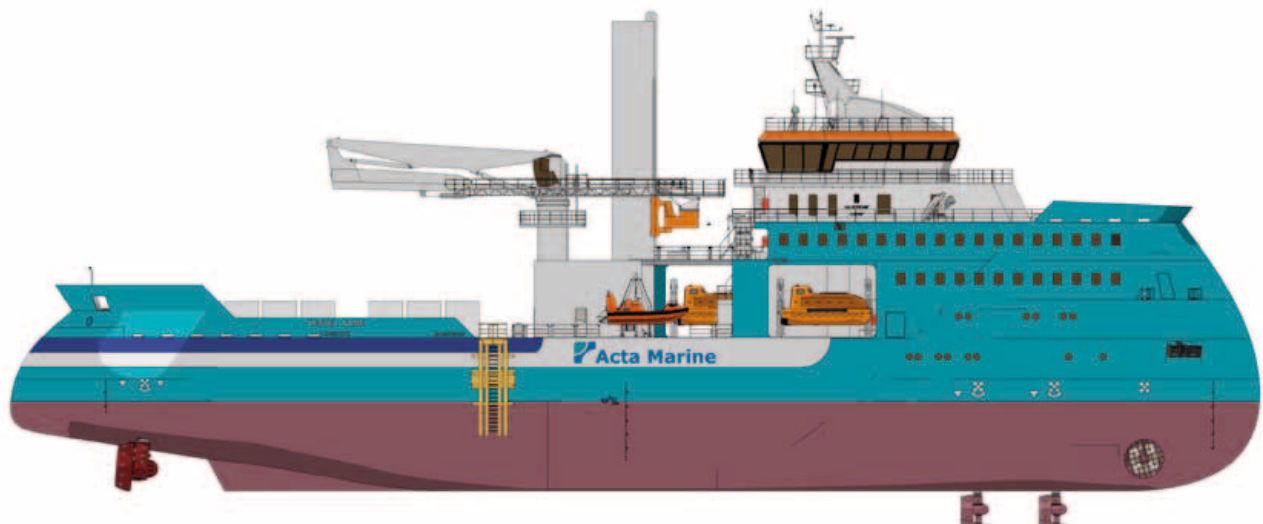
| | |
|------------------------------------|---|
| Stern thrusters: | 2x 1500 kW @ 0 - 1200 rpm |
| Bow thrusters (tunnel thruster): | 1x 1040 kW @ 1200 rpm |
| Bow thrusters (swing-up thruster): | 2x 880 kW @ 1800 rpm |
| DP2 system: | 4x Operator stations |
| Reference systems: | 3x Wind sensor 3x Motion reference unit 3x Position reference system (2x DGPS + 1x CyScan) |
| Station keeping ERN: | [99, 99, 97, 95] |

SPEED

Maximum speed (@ 5.0m draught): 13 knots

CAPACITIES

| | |
|-------------------------|-----------------------------------|
| Fuel oil: | 800 m ³ |
| CTV fuel: | 180 m ³ |
| Consumption in DP mode: | 3.3 ton/day approximate |
| Lub oil/hyd. Oil etc.: | 40 m ³ |
| Fresh water: | 840 m ³ |
| Water ballast: | 1970 m ³ |
| Containers: | 24 TEU divided over 2 deck levels |



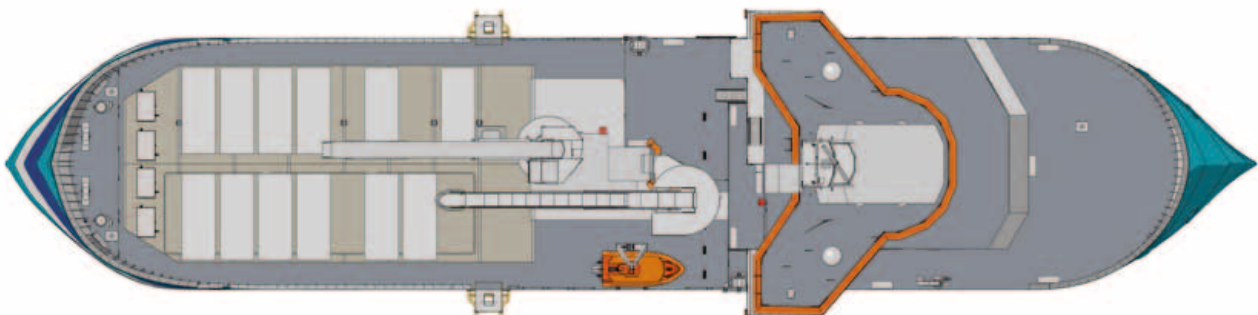
DECK AND HOLD EQUIPMENT

- 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
- Designed and prepared to install a helideck if required
- Fast Rescue Craft an sufficient deck space which allows to add Daughter Craft if required



ACCOMMODATION & FACILITIES

| | |
|-------------------------|---|
| Person on board: | 120 Including crew |
| Double cabins: | 40 Equipped with large comfortable beds and connected sanitary facilities |
| Single cabins: | 40 Equipped with large comfortable beds and connected sanitary facilities |
| Offices: | 5x 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 |



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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 Auriga 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 m² indoor cargo space and 500 m² 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 Auriga 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 Auriga 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:



Acta Marine

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Details are believed to be correct but can not be guaranteed and are subject to change (10-2017).