



**GOLDEN  
ENERGY  
OFFSHORE**

## **MV Energy Savannah** of Salt 305 RSV Design



### **TECHNICAL OUTLINE SPECIFICATION**

#### **MULTI PURPOSE OFFSHORE VESSEL**

Rev.: 03.11.2024

**Yard: Building No BH0001A10M @ Qingdao Wuchuan Heavy Industry Co. LTD**

**Delivery: 15.08.2021**

**Keel lay date: 20.09.2016**

**Name of ship: Energy Savannah**  
**Port of registry: Aalesund**  
**Distinctive number or letters: LASC8**  
**IMO Number: 9777307**  
**Maritime Mobile Service Identity (MMSI): 257023000**  
**DNV ID: 34887**





## MAIN DESCRIPTION

## MEASUREMENTS

|   |                                 |                         |          |
|---|---------------------------------|-------------------------|----------|
| Type  | : Multi Purpose Offshore Vessel | Length o.a.             | : 97,2m  |
|   |                                 | Length b.p.p.           | : 87,3m  |
|   |                                 | Breadth mld.            | : 22,0m  |
| Classification:                             |                                 | Draught max.            | : 7,2m   |
| DnV GL 1A1 Offshore service vessel(+) BIS   |                                 | Design Draught.         | : 6,7m   |
| BWM(T) Clean(Design, Tier III) COMF(C3, V3) |                                 | Freeboard @ max Draught | : 2,1m   |
| DK(+)                                       |                                 | DWT @ 7,2m              | : 5 331t |
| DYNPOS(AUTR, E) E0 ECA(SOxA)                |                                 | Gross Tonnage           | : 7 388  |
| HELDK(S, H, CAAN)                           |                                 | Net Tonnage             | : 2 217  |
| Ice(C) NAUT(OSV(A)) Recyclable SF SPS       |                                 | Deck load, Max          | : 2400T  |

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## CAPACITIES

Work/Cargo Deck area: 1 100m<sup>2</sup> (40 x 19m)  
Inside deck area: WROV hangar 73 m<sup>2</sup>. OBS ROV hangar 36 m<sup>2</sup>  
Deck strength: aft of #3: 25 t/m<sup>2</sup>, #3 - #72: 10t/m<sup>2</sup>.  
Height of bulwark on Main Deck: 1200mm

|                |                              |   |
|----------------|------------------------------|---|
| Fresh Water    | : 1 147m <sup>3</sup>        | Pump capacity 2 x 0 - t50 m <sup>3</sup> /h HP: 60 bar @ 75 m <sup>3</sup> /h |
| FW Maker       | : 2 x 18 m <sup>3</sup> /day |   |
| Fuel Oil total | : 1 263m <sup>3</sup>        | Pump capacity 2 x 250 m <sup>3</sup> /hr                                      |
| DW             | : 4 506m <sup>3</sup>        | Pump capacity 2 x 0 - 150 m <sup>3</sup> /h                                   |
| Ballast        | : 4 506m <sup>3</sup>        | Pump capacity 2 x 0 - 150 m <sup>3</sup> /h                                   |

## MACHINERY -PROPULSION

## PERFORMANCE

|                        |   |                               |              |
|------------------------|---|-------------------------------|--------------|
| Main eng.:             | 4 x HIMSEN 6H32/40 2880 kW, 720rpm, 11.200BHP | Max speed cons, 15kts:        | 34,5t / day  |
| Harbour gen:           | 1 x CAT, 968 bkW, 1800 rpm                    | Service speed cons. 12kts:    | 17,2 t / day |
| Main Propulsion :      | 2 x SHOTTEL SRP 3030 FP each 3000 kW          | Eco speed/cons. approx.10kts: | 11,2 t / day |
| Stern tunnel thruster: | 1 x 1400kW                                    |                               |              |
| Bow tunnel thrusters:  | 2 x SHOTTEL STT 7 FP each 2050 kW.            | DP max:                       | 13,7 t / day |
| Bow Azimuth:           | 1 x SCHOTTEL STT 4 FP 1200 kW                 | DP min:                       | 6 t / day    |
|                        |   | DP Standby:                   | 5 t / day    |
|                        |   | Standby on field (non DP)     | 4 t / day    |
|                        |   | Port consumption:             | 3,4 t / day  |



## DECK/RESCUE EQUIPMENT

Tugger Winches : 2 x 10t  
Capstans : 2 x 10t  
Windlass/Mooring : 1 x Double w/ mooring winch  
Deck Crane : 6t / 15m  
Provision Crane : 3t / 12m  
Life rafts : 4 x Viking 25DKF + 30s (25 persons)davit launched  
LSA for : 100 persons  
Life Jackets : 79  
1 off Fast Rescue Craft: Merlin 615  
1 off (SOLAS approved) Davit for FRC  
2 off 50 persons lifeboat JYN75  
2 off Norsafe LH140  
1 off Incinerator + 1 off waste compactor

## ACCOMMODATION

Total POB: 100 persons  
26 off Single bed cabins  
33 off Double bed cabins  
2 off 4 bed cabins  
3 off Lounge  
1 off Dayroom  
  
1 off Galley  
1 off Messroom (50 persons)  
1 off Conference / opr room  
1 off Gymnasium  
1 off Hospital

## SPECIAL DECK EQUIPMENT

**150t OFFSHORE CRANE:** Main Line: 150T SWL – 11m Offshore mode  
Total wire length: 3323 m Drum capacity 3500m  
Hook travel 3000m / Ø72mm / weight in air 25,4kg  
2 T, DAF 1.3, AHC capacity 2m/s,  
Constant Tension  
Whip Line: 10T SWL @ 36m- 600m, personnel lift  
Tugger winches: 2 x 5T SWL w/ Constant Tension  
Slew sector / speed: 360° / 0 – 0.8rpm  
Operation limits: Max list 5°, Wind speed: 25 m/s

**25T SECONDARY CRANE:** 25t 2 9 m, 2 000m wire, personnel lift  
**REMOVABLE** SB: 11m aft of Offshore Crane, 14m fwd of the Offshore Crane  
**BULWARK SECTIONS:** Port side: 14m aft of AUX crane. Stern section: 14m

**ROV LARS SYSTEM:**  
Peak Load: 36T  
Operating speed: 1.0 / 1.4 M/S (INNER / OUTER LAYER)  
ROV Power distribution: 2 x 440V, 3 phase 60hz, 630Amp

ROV Hangar side doors: 2 x MacGregor  
ROV Hangar aft door: Sliding gate 3,46 x 2,8m

**MOONPOOL** Prepared for 7.2 x 7.2m  
**W2W Gangway** Uptime. Contact [chartering@geoff.no](mailto:chartering@geoff.no) to check availability  
**HELIDECK** 21m helicopter deck designed for Sikorsky S-92 (12,8 T). Helideck designed and equipped in accordance with relevant authorities. Helicopter monitoring system





## WORKING AIR

Two compressors  
Capacity 284m<sup>3</sup> /h – 9,1 bar pressure  
Connection on deck: CEJN 320 Female  
5 off outlets on deck:

- Aft of ROV HPPS
- By main crane boom rest (PORT)
- By Main crane pedestal (PORT)
- By Auxillary crane (STBD)
- By tank vents area on aft deck (STBD)

## FO FOR DECK EQUIPMENT

Capacity: 5m<sup>3</sup>/h – 4 bar Pressure  
Connection on Deck: 1” Cam-lock and ball valve  
One deck outlet on port side mezzanine deck – in front of FRC

## POWER UTILITY STATIONS

See appendix to short spec: Power connections available on deck and ROV hangar  
– 3 party

### NAVIGATION EQUIPMENT

1 off S-Band Kongsberg K-Bridge Radar  
1 off X-Band Kongsberg K-Bridge Radar  
2 off DGPS for navigation Sailor 6570  
2 off Kongsberg K-Bridge ECDIS  
4 off Gyro  
1 off Echo Sounder Skipper GDS 102  
1 off HMS 900 Helideck Monitoring System  
1 off Skipper DL 850 Doppler log  
1 off AIS TRON AIS TR-8000  
1 off DP system Kongsberg K-POS  
4 off MRU  
4 off Wind sensors  
1 off Kongsberg Spottrack system  
1 off Radius 1000 incl 1 x interrogator and 2 x Radius 700  
1 off DGNSS Kongsberg DPS 232  
1 off DGNSS Kongsberg DPS i4  
1 off Kongsberg HIPAP 502 aft port  
1 off Sonardyne Ranger 2 fwd stbd  
1 spare trunk for HPR / Hydr. Acoustic system

### COMMUNICATION EQUIPMENT

General: GMDSS installation in accordance with IMO regulations for vessels operating within Sea Area A3  
1 off Sailor 6301 MF/HF  
2 off Sailor 6222 GMDSS VHF with DSC  
3 off Sailor SP3520 GMDSS VHF Portable  
2 off Sailor 6210 VHF  
2 off TRON 60s 1 off TRON 40VDR GMDSS EPIRB  
3 off TRON SART20 GMDSS SART  
2 off Sailor 6110 mini-C GMDSS Inmarsat-C  
8 off Motorola DP 4401 EX (Handheld) UHF  
4 off Entel HT833 (Handheld) UHF  
Array Satellite System  
3 off GSM System Mobile Telephone  
Array Sat TV System  
2 off Jotron TR-810 Helicopter communication

### TELEPHONE SWITCH BOARD:

Intercom: Radioson Marine

### FIRE FIGHTING SYSTEM:

According to Class requirement  
CO2 system in Engine Room, Incinerator room  
& Cargo room





**GOLDEN  
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OFFSHORE

## Golden Energy Offshores SALT 305 RSV series General

Golden Energy Offshores 305 RSV series are state of the art vessels with high capacities and good station keeping capabilities.

The hull form design and the diesel electric propulsion system, ensures exceptional performances with regards to fuel consumption, sea keeping, station keeping, speed, and stability.

Low fuel consumption with low emissions and a ballast treatment plant makes the vessels environmental friendly.

The propulsion system comprises two azimuth type propellers, each driven by an electrical motor.

Two tunnel thrusters and one azimuth are installed in the fore part of the Vessel.

The compliance with IMO Resolution MSC.266(84) Code of safety for special purpose ships will allow the vessel to have more charterers personnel onboard if required.

A ROV hangar is included in the vessel design, to allow for operation of 2 x WROV systems in sheltered conditions

A helideck certified for Sikorsky S-92 Helicopter has been installed to improve logistic possibilities of personnel and spare parts.

### Chartering & Operation Managers:

**Golden Energy Offshore Management AS,**

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