



*The*  
**J. J. Ugland**  
*Companies*

# MV JUANITA

Salt 100 PSV - Platform Supply Vessel



|                           |                                  |
|---------------------------|----------------------------------|
| <b>OWNER:</b>             | <b>Ugland Supplier AS</b>        |
| <b>OPERATOR:</b>          | <b>Ugland Offshore AS</b>        |
| <b>TECHNICAL MANAGER:</b> | <b>Ugland Marine Services AS</b> |

|                        |                                                                                                                                                                                                                                                                    |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>OFFICE ADDRESS:</b> | J.M. Uglands vei 20, N-4878 Grimstad, Norway<br>(P.O. Box 128, N-4891 Grimstad, Norway)<br>Tel: +47-37 29 26 00<br>Fax: +47-37 29 26 61<br>E-mail: <a href="mailto:tank-psv@jjuc.no">tank-psv@jjuc.no</a><br>Website: <a href="http://www.jjuc.no">www.jjuc.no</a> |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                    |                        |
|--------------------|------------------------|
| <b>BUILT BY:</b>   | <b>Kleven Verft AS</b> |
| <b>YEAR BUILT:</b> | <b>2014</b>            |

# JUANITA Salt 100 - Platform Support Vessel

## Main Description

|                    |                                                                                                                                                                             |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type of Vessel     | Platform Supply Vessel                                                                                                                                                      |
| Classification     | DNV+1A1, ICE-C, SF, DYNPOS AUTR, EO, LFL*, OILREC (NOFO 2009), Clean Design, Naut OSV (A), COMF-V(3)C(3), NMD Stand-by Vessel, BIS, BWM-T, DK(+) and HL (2.8), TIMON, DEICE |
| ERN Number         | 99.99.99.99                                                                                                                                                                 |
| NOFO               | 2009                                                                                                                                                                        |
| Stand-By           | NMD - 225 Survivors                                                                                                                                                         |
| Place of Build     | Kleven Martime AS, Norway                                                                                                                                                   |
| Year of Build      | 02/2014                                                                                                                                                                     |
| Flag               | NOR                                                                                                                                                                         |
| Design Company     | Salt 100 Ship Design Norway                                                                                                                                                 |
| Yard Number        | 361                                                                                                                                                                         |
| IMO Number         | 9665011                                                                                                                                                                     |
| Call Sign          | LDLA                                                                                                                                                                        |
| Shipowning Company | Ugland Supplier AS<br>J.M. Uglands vei 20, N-4878 Grimstad, Norway                                                                                                          |

## Measurements

|                      |           |
|----------------------|-----------|
| Length Overall       | 88.90 m   |
| Length Between       |           |
| Perpendiculars       | 81.10 m   |
| Breath Moulded       | 20.00 m   |
| Draft Mid. Main Deck | 8.80 m    |
| Draft Summer Marks   | 7.294 m   |
| DW Summer Draft      | 5 456 T   |
| Gross Tonnage        | 4 845 GRT |
| Net Tonnage          | 1 514 NRT |
| Displacement Summer  | 9 056 T   |

## Machinery

|                     |                                                                                                               |
|---------------------|---------------------------------------------------------------------------------------------------------------|
| Generator set:      |                                                                                                               |
| Engines             | 3 x 1665 kW, total 4995 kW<br>Type Wärtsilä - 9L20                                                            |
| Engine              | 1 x 750 kW Type Wärtsilä - 4L20                                                                               |
| Engine (Harbour)    | 1 x 750 kW Type Wärtsilä - 4L20                                                                               |
| Generators          | 3 x 1784 KVA, 690 Volt, 60Hz, 900 rpm<br>Type: AVK DSG 99 M1 - 8W                                             |
| Generators          | 2 x 784 KVA 690 Volt 60Hz, 900 rpm<br>Type AVK DSG 86 KO - 8W                                                 |
| Main Propulsion     | 2300 kW + 1700 kW Scana Volda CRP Type FP3400/FP3800/TH750/PM2054                                             |
| Emergency Generator | 1 x 270 KW, Engine Volvo Penta Type D9A2A MG<br>1 x 216 KW Generator Stamford Type HCM 434D1<br>690 Volt 60Hz |

## Thruster

|                      |                                                 |
|----------------------|-------------------------------------------------|
| Retractable Thruster | 1 x 880 kW, Brunvoll AR63 LNC 1650              |
| Bow Thrusters        | 2 x 1200 kW Brunvoll FU-80-LTC-2250-1200 Tunnel |
| Aft Thrusters        | 2 x 1400 kW Brunvoll FU-74-LTC-2000-1400 Tunnel |

## Vessel Speed and Consumption

|                   |            |         |         |
|-------------------|------------|---------|---------|
| Max Service Speed | 14.9 knots | Approx  | 19.4 m³ |
| Economic Speed    | 11 knots   | Approx. | 7.2 m³  |
| DP Operation      |            | Approx  | 5.5 m³  |
| Stand-By at Sea   |            | Approx  | 2.6 m³  |
| In Port (idle)    |            | Approx. | 1.0 m³  |

The above is based on max. draft 5.0 m/ 2000 Mt Dwt., max 1.5 m significant wave height, average value of head/tail winds and seas, light winds and no swell.  
For DP and St.by. at sea, varying heading, max. Beaufort force 5 and max Hs 2 m.

## Accommodation

|                     |                                             |
|---------------------|---------------------------------------------|
| Single Cabins       | 12                                          |
| Double Cabins       | 6                                           |
| Hospital            | 1                                           |
| Total Accommodation | 24 berths, all cabins fully Air-Conditioned |
| Laundry             | 1                                           |
| Messroom            | 1                                           |
| Dayroom             | 1                                           |
| Galley              | 1                                           |
| Cool Store          | 1                                           |
| Freezers            | 1                                           |
| Dry Provision       | 1                                           |
| Offices             | 1                                           |
| Gymnasium           | 1                                           |

## Capacities

|                             |                                                               |         |
|-----------------------------|---------------------------------------------------------------|---------|
| Deck Load Max               | 3 150 Mt                                                      |         |
| Deck Strength               | 10 t/m²                                                       |         |
| Dry Bulk Capacities         | 394 m³ in 6 tanks. 6 bar max                                  | SG 2.32 |
| Ballast/Drillwater          | 1 216 m³ in 12 tanks                                          |         |
| Freshwater                  | 681 m³ in 6 tanks                                             |         |
| Freshwater                  | 298 m³ in 2 stainless steel tanks                             |         |
| Liquid Mud, LFL*            | 1 080 m³ in 8 tanks w/agitators and circulation by cargo pump | SG 2.8  |
| Liquid Mud, LFL             | 289 m³ in 2 tanks w/agitators and circulation by cargo pump   | SG 2.8  |
| Liquid Mud                  | 118 m³ in 2 tanks w/circulation by cargo pumps                | SG 2.8  |
| Brine (in liquid mud tanks) | 984 m³ in 8 tanks                                             | SG 2.8  |
| Base Oil/Fuel oil           | 183 m³ in 2 tanks                                             |         |
| Fuel Oil                    | 814 m³ in 12 tanks                                            |         |
| Methanol/ Special Products  | 104 m³ in 2 tanks                                             | SG 1.4  |
| Special Products/ ORO       | 146 m³ in 2 tanks w/ heating coils                            | SG 1.4  |
| Special Products            | 104 m³ in 2 tanks                                             | SG 1.4  |

ORO Mode Capacity: 1 738.6 m³

Aut. Tankwashing System in OBM/Brine/Spec. Product/Methanol tanks

|                              |               |
|------------------------------|---------------|
| N2 Generator                 | 6000-C-210,   |
| Capacity                     | 188Nm3@95% N2 |
| N2 Receiver/Storage          | 1000ltr/10bar |
| Connection for shore filling |               |

Covering:

All Liq Mud/LFL tanks (12) and incl dedicated Slop tank Special product and Methanol tanks  
WB/N2 tanks surrounding LFL\* tanks, Special product,Methanol tanks and cofferdam

## Discharge

|                     |                                                                            |
|---------------------|----------------------------------------------------------------------------|
| Dry Bulk            | 2 x 0-30 m³/min at 6,5 bar                                                 |
| Ballast/Drill Water | 2 x 150 m³/hr at 9 bar – Screw pump, Frequency control, PG NM 81200999     |
| Fresh Water         | 2 x 150 m³/hr at 9 bar – Centrifugal pump, Frequency control, PG 80/250 A4 |
| Liq,Mud/Brine/Slop  | 12 x 120 m³/hr at 9 bar - Hydraulic Submerged Pump. Framo Type SD150       |
| Base Oil            | 2 x 100 m³/hr at 9 bar – Centrifugal pump, Frequency control, PG 65/250 A4 |
| Fuel Oil            | 2 x 150 m³/hr at 9 bar – Centrifugal pump, Frequency control. PG 80/250 A4 |
| Special Products    | 4 x 75 m³/hr at 9 bar – Hydraulic Submerged Pump. Framo Type SD100         |
| Methanol            | 2 x 75 m³/hr at 9 bar – Hydraulic Submerged Pump. Framo Type SD100         |

Reducer fittings available

## Bulk Cargo Stations

|                |                                                                              |
|----------------|------------------------------------------------------------------------------|
| PS/SB Mid Ship | Dry Bulk, DW, FW, Mud, Brine, Base Oil, FO, Special Products, Methanol, Slop |
| PS Aft         | Base Oil, FO, DW, FW, Dry Bulk                                               |
| SB Aft         | Mud, Brine, Special Products, Metanol, Slop                                  |

## Deck Equipment

|                        |                                                                                  |
|------------------------|----------------------------------------------------------------------------------|
| Deck Dimensions        | 60.0 x 16.8 m                                                                    |
| Deck Area              | 1 035 m <sup>2</sup>                                                             |
| Deck Area Workable     | 1 000 m <sup>2</sup>                                                             |
| Deck Strength          | 10 t/m <sup>2</sup>                                                              |
| ASFA 2-4               | Force on chock 4 tonnes. 0-50mtr/min.<br>8 units arranged in 2 groups            |
| Capstans               | 2 x 10 t NDM Capstan10                                                           |
| Aft Winches            | 2 x 10 t NDM mw.mw 10                                                            |
| Tugger Winches         | 2 x 15 t NDM twtu15                                                              |
| Knuckle Boom Crane     | 1 x 2 t at 18 m                                                                  |
| Life Rafts             | 4 x 25 persons                                                                   |
| Man Overboard Boat     | 1 x MARE GTC 700 2 VD.35 knts.<br>10 Persons. Redundant engines                  |
| Socket Outlets on Deck | 2 pcs. 16A 450V 3 phase + earth<br>2 pcs. 16A 230V 2 phase + earth               |
| NOFO Cabinet Fwd       | 2 pcs. 32A 450V 3 phase + earth Eex-ed<br>2 pcs. 16A 230V 2 phase + earth Eex-ed |
| NOFO Cabinet PS Aft    | 2 pcs. 16A 230V 2 phase + earth Eex-ed                                           |
| NOFO Cabinet SB Aft    | 2 pcs. 16A 230V 2 phase + earth Eex-ed                                           |
| Sockets for Cargo Stb  | 12 pcs. 16A 230V 2 phase + earth Eex-ed                                          |
| Sockets for Cargo Port | 12 pcs. 16A 230V 2 phase + earth Eex-ed                                          |
| Towing Strong point    | 1 pcs.100 t SWL. Fr. 2. Lgt. 4 f. CL                                             |

## Navigation Equipment

|                  |                                                                                                                                        |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Radars           | 1 x L3 Multiplot Platinum X-band radar Arpa<br>1 x L3 Multiplot Platinum S-band radar Arpa<br>1 x Miros OSD System NOFO 2009 compliant |
| Autopilot        | 1 x L3 Track pilot                                                                                                                     |
| Gyro             | 3 x Navigat X Mk1 (Sperry)                                                                                                             |
| Navtex           | Furuno Navtex NX-700                                                                                                                   |
| GPS/DGPS         | 2 x Furuno GPS GP-150                                                                                                                  |
| Echo Sounder     | 1 x Furuno FE-700                                                                                                                      |
| El-Chart / ECDIS | 2 x L3 ECDISpilot Platinum                                                                                                             |
| Voyage Recorder  | 1 x L3 VDR, SAM 4350                                                                                                                   |

## Anchoring Equipment

|               |                                                          |
|---------------|----------------------------------------------------------|
| Anchor Points | 2 x 12 t                                                 |
| Winches       | 2 x Electric driven anchor/mooring. NDM W.AW<br>48-48 K3 |

## Dynamic Position

|                   |                                                                        |
|-------------------|------------------------------------------------------------------------|
| Class             | DYNPOS AUTR                                                            |
| Type              | Kongsberg K-Master.DP21                                                |
| Reference Systems | 2 x DGPS Kongsberg DPS 232<br>2 x Spotbeam<br>1 x CyScan<br>1 x Radius |
| ERN               | 99.99.99.99                                                            |

## Gas Monitoring Equipment

Type Omnicron Gas Sampling System. OGS 3.1/20

Automatic gas monitoring and alarm system connected to vessels IAS.

Covering:

All Liug Mud/ LFL\* tanks (12) and incl dedicated Slop tank.

WB/N2 tanks surrounding LFL tanks, special product, methanol tanks and cofferdam

Sensors:

H2S

H2

HC

No pumproom, all LFL, special product and methanol has FRAMO submerged pumps

## NOx Reduction Equipment

Type H+H. SCR UREA based.

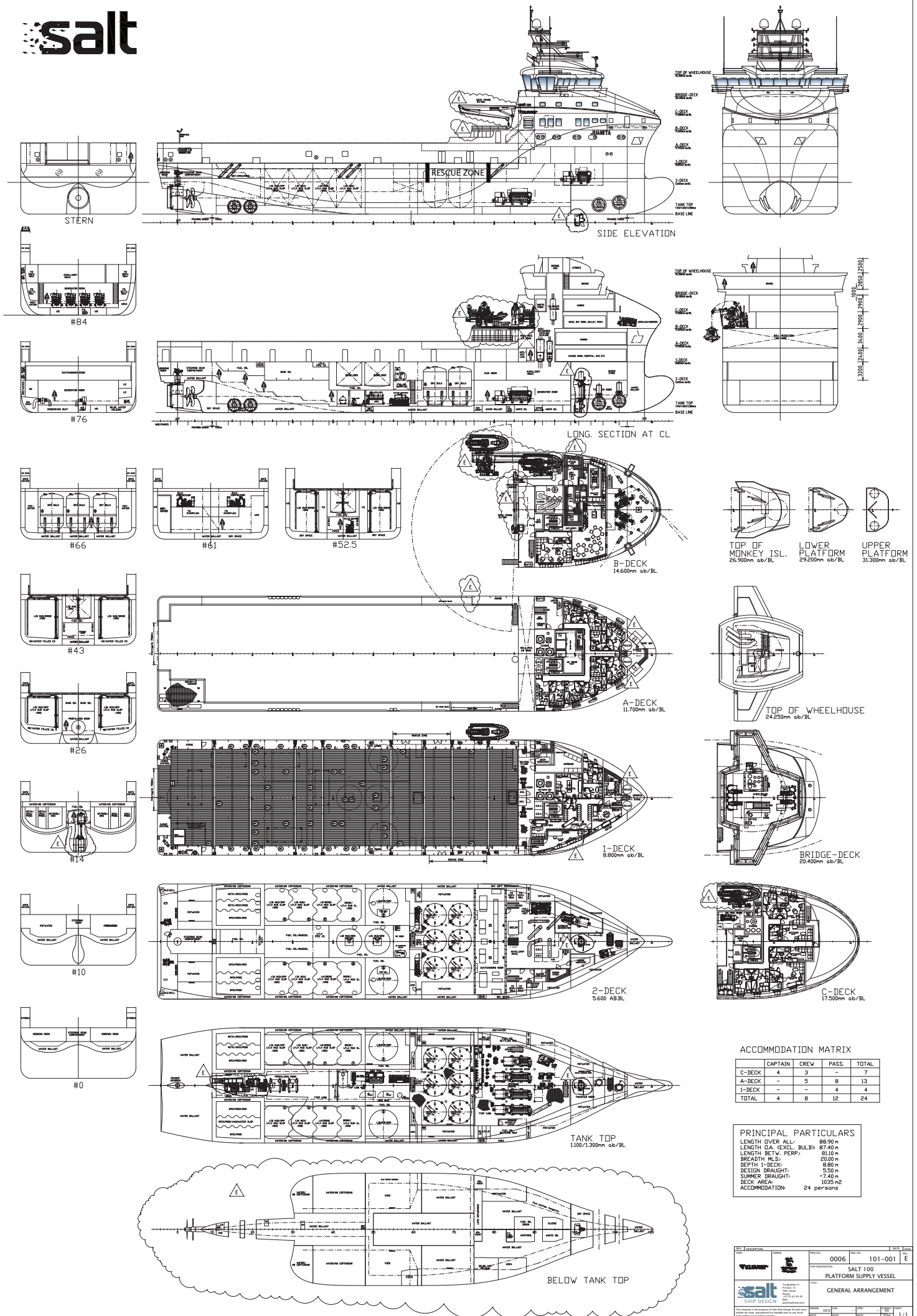
Emission 4.34 kg NOx/metric ton MGO

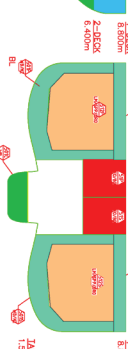
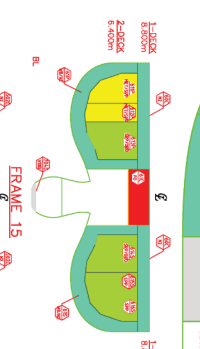
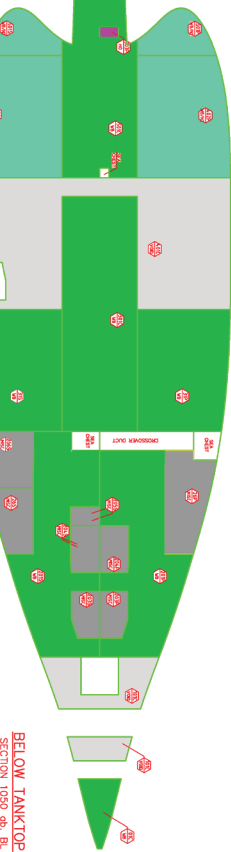
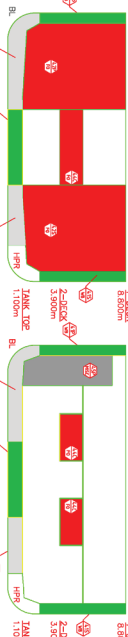
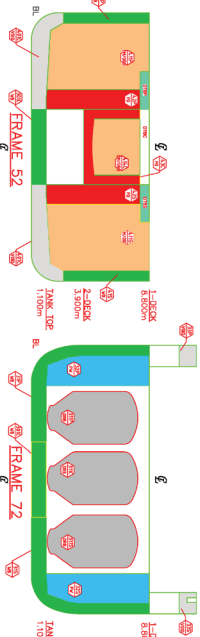
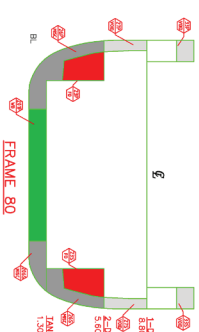
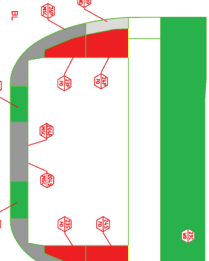
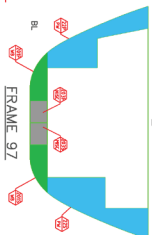
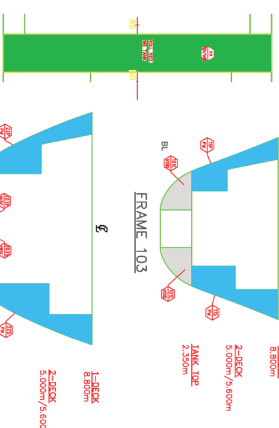
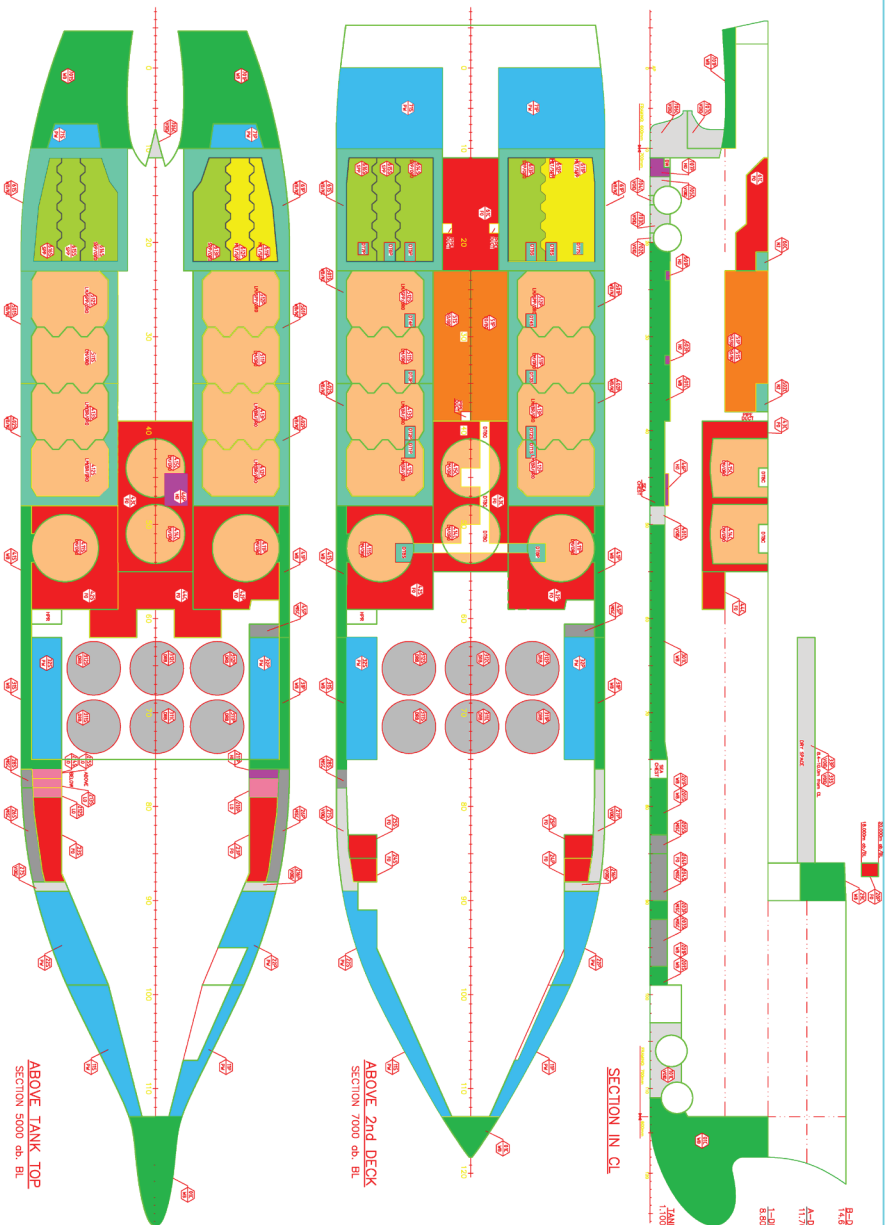
## Communication Equipment

|                 |                              |
|-----------------|------------------------------|
| GMDSS           | A3 type Sailor               |
| Intercom        | VingCom Zenitel Maine        |
| Fleet Broadband | Sailor Fleet Broadband 500   |
| VHF             | 3 x Sailor RT 6210           |
| Mobile Phone    |                              |
| TV System       | Seatel 6004 EUR              |
| V-Sat           | 12-3004 Inmarsat Xpress Link |
| Data Capacity   | 512 kb/s                     |

## Other

|               |                                                |
|---------------|------------------------------------------------|
| Prepared for: | Fi Fi 1<br>DEICE C<br>Triplex or sliding crane |
|---------------|------------------------------------------------|



[illegible]