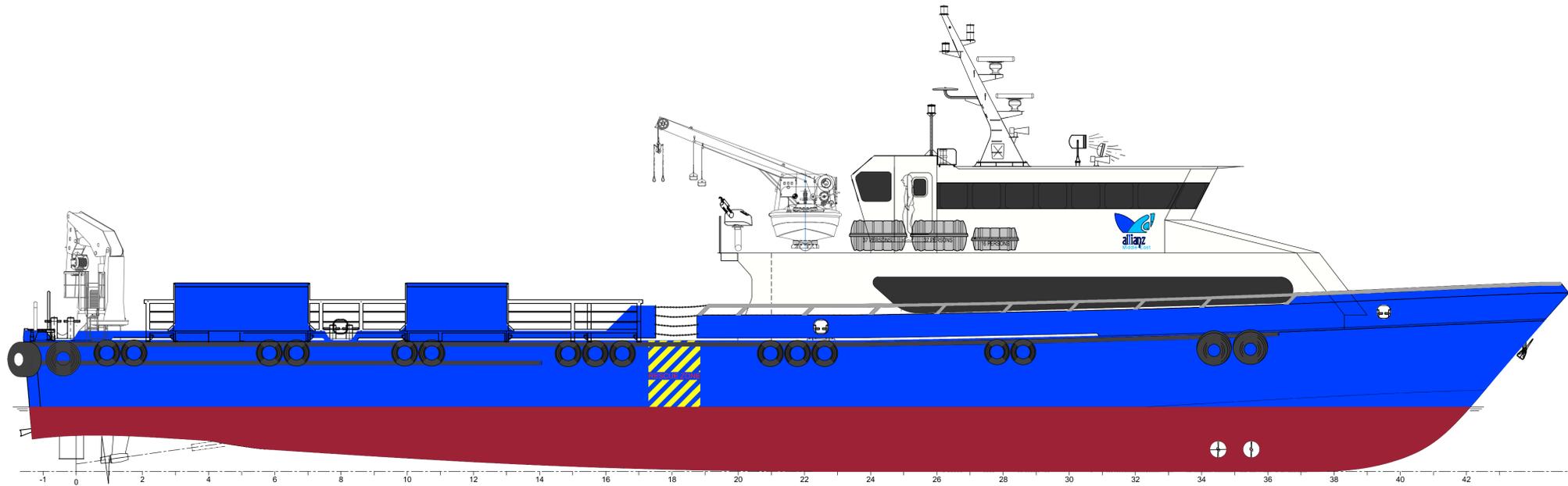


## ALLIANZ SURFER-2 (42 Mtr Alum Crew Boat)



GENERAL		PRINCIPAL PARTICULARS		PERFORMANCE	
Flag	SVG	Length (Overall)	42 M	Speed (Max):	26knots(Light Ship)
Port of Registry	Kingstown	Breadth (Moulded):	7.3 M	Speed: Cruising	24kts
Year Built	2021	Depth (at midship):	3.5 M	Speed: Economic	18kts
Built By	Grandweld	Draft Loaded:	1.82M	Consumption:	685 L/Hr @cruising speed
Place Of Built	Dubai, UAE	Gross Tonnage:	251 (approx.)	Deck Space:	100m <sup>2</sup>
Call Sign		Net Tonnage:	75 (approx.)	Deck Load:	60 Tonnes
Official Number		Classification	Bureau Veritas (BV)	Deck loading Strength:	2 ton/m <sup>2</sup>
IMO Number	9918987	Class Notation	1 *HULL • MACH, Crew boat, Sea Area 3	Free board	1.68Mtr
CAPACITIES		PROPULSION-MACHINERY		ACCOMMODATION	
Fuel Oil	97M <sup>3</sup>	Main Engines	3 x CAT C32 Acert	HVAC	direct-expansion sea water-cooled air conditioning system
Fresh Water	52M <sup>3</sup>	Output/RPM	1450HP@2300RPM	Accommodation	10 Crew in Cabins
Lube Oil	500ltrs	Gear Boxes	ZF 3050 Marine Gearbox, Ratio : 2.952 : 1	Offshore Personnel:	70 Personal Seating 10 VIP seating
Hyd Oil	150ltrs	Engine Control	ZF CRUISE COMMAND CONTROL	Hospital	1 No, on Main Deck
Black Water	1960ltrs	Fixed Pitch prop	3 x Five blades	DECK EQUIPMENT	
Grey Water	1960ltrs	Aux Gen Sets	3 x 86 CAT- 380V, 50Hz, 3ph, 3 wire	Deck Crane ( Foldable Knuckle Boom)	(1)One BV , ZONE2 certified, Offshore Fully Foldable Knuckle - Telescopic Marine Crane 2T/8M, 1.3T/10M -Hsig 0.6m 1.5T/8M, 0.8T/10M -Hsig 1.2m
		STEERING SYSTEM		Anchor (High Holding Power Type)	1 Anchor + 01spare
		BOW THRUSTER		Fendering:	Alum pipes + Aircraft Tyres
			Kobelt, Electro Hydraulic		
			2 x 75 HP/ Romagnoli		
AUXILLIARY MACHINERY & OTHER EQUIPMENT					
Oily Water Separator:	0.5m <sup>3</sup> hr/ x ppm			FW Transfer Pump:	1 x 25 m <sup>3</sup> /hr, 30 M head
Fuel Oil Purifier	1 x 1150 L/hr			Sewage Pump:	1 x 2.5 m <sup>3</sup> /hr, 25 M head
FW Hydrophore	1x 100 Liter tank + 2 pumps 3m <sup>3</sup> /hr, 30M head			Sludge Pump	1 x 2m <sup>3</sup> /hr, 40 M head
SW Hydrophore	1x 50 Liter tank + 2 pumps 3m <sup>3</sup> /hr, 30M head			Emergency Fire Pump:	1 x 15 m <sup>3</sup> /hr, 35 M head ( Diesel Driven)
Water Heater	1 x 189 liter capacity			Sewage Treatment Plant:	1 x 3200 Lit/Day
Fire & GS Pump:	1 x 30 m <sup>3</sup> /hr @ 40m head			Fuel Oil Transfer Pump:	1 x 25m <sup>3</sup> /hr, 25 M head
AC Cooling Pumps	2 x 32m <sup>3</sup> /hr, 23 M head			Auxiliary cooling pump	1 x 25m <sup>3</sup> /hr, 22 M head
Bilge Pump:	1 x 30 m <sup>3</sup> /hr @ 30m head			External FIFI Pump	1 x 600 M <sup>3</sup> /HR @ 120M, 1 x Fire Monitor Nozzle on deck house top.

ELECTRONICS/ NAVIGATION EQUIPMENT		FIRE FIGHTING, LIFE SAVING & SAFETY EQUIPMENTS	
GMDSS Area A1+A2 consisting 1xMini-C GMDSS. 2XVHF radio installation, 1 x 25w output, semi-duplex/ simplex GMDSS c/w built-in DSC/CH-70 receiver	Sailor MF/HF -6310 SAILOR VHF DSC-6222	Fixed Fire Fighting	Fixed CO2 CO2 Alarm- 4 Nozzles in Engine Room -2 Nozzles in Generator room Release Station-Main Deck
Simplex VHF	SAILOR 6215 2 x 25w output	Rescue Boat Davit (IMO Approved)	SWL 17KN Fixed radius;4 m Hydraulic Slewing Hoisting; Electrically (18 m/min)
Gyro Compass	Yokogawa-Japan CMZ-900B	Rescue Boat (IMO Approved)	6 Person capacity FRP Rescue boat with inboard diesel engine
Magnetic Compass	Cassens & Plath IOTA/2	Life rafts (Throw overboard type)	100% capacity in each side 35 person capacity;4 no's 25 person capacity;2 no's
Autopilot	NAVITRON NT-888G	Lifejackets	With light & whistle ,SOLAS approved type Quantity .113 Nos
Radar	2X48 NM range, 9 GHz. RSB 135-115, 24 inch Radome Furuno-Japan	Lifebuoys	Total 8 – 2 c/w self-activating smoke and light signal, 2 c/w lifelines and 4 c/w self- igniting lights
Echo Sounder	2 x Kodon CVS-126	Fire Extinguishers	Portable CO2, Foam & ABC Fire extinguishers with spares as per class Requirements.
DGPS	1 x FURUNO-GP170 D	Fire Hydrants & Fire Hoses	10 Nos. x 15m hose c/w spray-jet dual purpose nozzles
Anemometer	OBSERVATOR OMC-115	Fire man out fit with SCBA	2Nos.
Navtex Receiver	1 x NT-1800, JMC Japan	Fire Alarm Panel/ Bell	1No.
AIS	1 x Kodon KAT-100	SCBA ( Breathing Apparatus)	10 Nos.
SART	2 x Sart, JOTRON SART 20	Smoke Detectors	Each cabin to be fitted with Smoke Detectors
EPIRB	1XJOTRON TRON 60S	Heat Detectors	Generator room;01,engine room;03, Galley ; 01
PA/ Intercom system with talk back	Phontec CIS3100	First aid box	3 for 50 persons
Sound Powered Telephone	ZENITEL ,VINGTOR	Fuel Tank Shut Off Point	Main deck port ;02, Main deck starboard;02
Loud hailer	Standard Horizon Japan	Distress Flares/ Pyrotechnics	As per Class & Flag
Electric Horn	ZOLLNER	Accommodation fire fighting equipments	Heat and smoke sensors, also portable extinguishers as per class requirements.
BNWAS	BNWAS NAVITRON NT991	Other Safety Equipment	SAFETY EQUIPMENT IN ACCORDANCE WITH SOLAS AND FLAG REQUIREMENT
Explosion Proof Deck Sockets c/w Suitable plug: Two (2x) sockets Four (4x) sockets Five (5x) sockets	125A @ 380V, 3-phase, 50 Hz 16A @ 380V, 3-phase, 50Hz, 16 A@ 220V, 2-phase, 50Hz		
Gas Detection System	2XH2S Sensors		



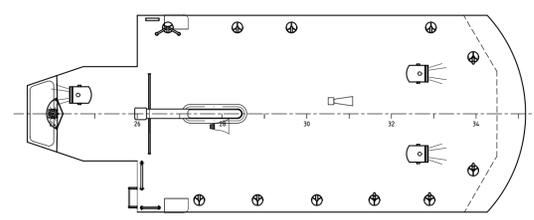
PROFILE

**MAIN PARTICULARS:-**

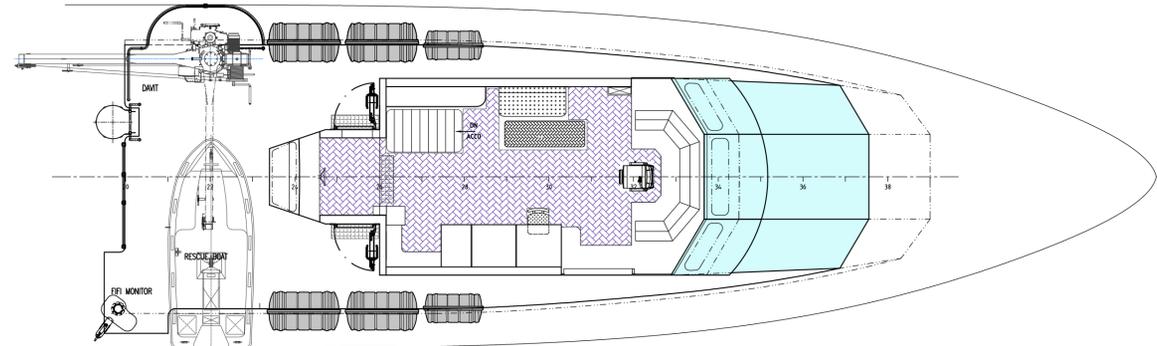
LENGTH O.A.	: 42.00 mtrs.
LENGTH B.P.	: 37.965 mtrs.
BREADTH MLD.	: 7.30 mtrs.
DEPTH MLD.	: 3.50 mtrs.
DRAFT (HULL)	: 1.82 mtrs.
HULL	: ALUMINUM
DECK AREA	: 100 SQM
DECK STRENGTH	: 2.0 T/m <sup>2</sup> (FROM FR#0 TO 19)
SEATING CAPACITY	: 80 OFFSHORE PERSONNEL
CREW	: 10 PERSONS
MAIN ENGINES	: 3 x CAT C32 ACERT 1450 HP @ 2300 rpm (C-RATED)
GEAR BOX	: 3 x GEAR BOX, RATIO 2.955:1
GENERATORS	: 3 x CAT C4.4 86 eKW @1500RPM 380V, 50Hz, 3ph.
BOW THRUSTER	: 2 x 75HP @ 1500RPM BOW THRUSTER

**TANK CAPACITIES (APPRX.)**

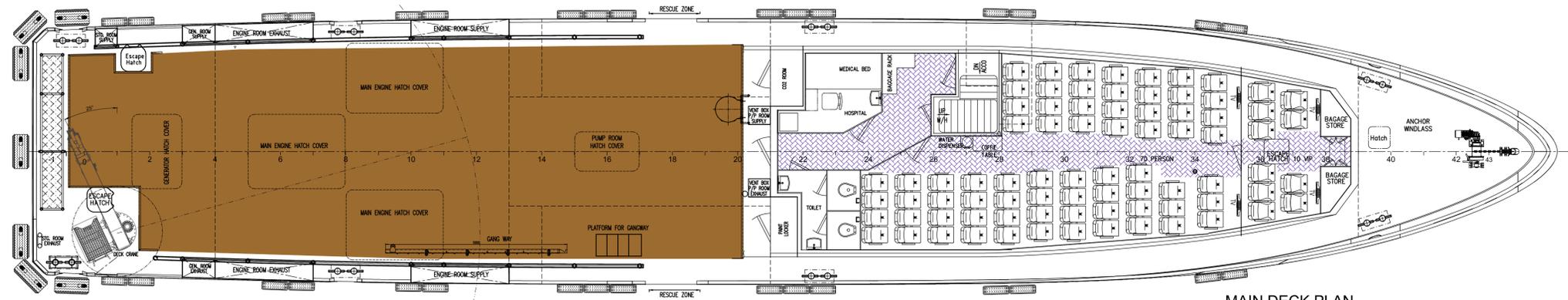
FUEL OIL	: 97,000 LITRES
FRESH WATER	: 40,000 LITRES
LUB. OIL	: 500 LITRES
BLACK WATER TANK	: 2,000 LITRES
GREY WATER TANK	: 2,000 LITRES
SLUDGE TANK	: 625 LITRES
HYDRAULIC OIL	: 100 LITRES



WHEEL HOUSE TOP DECK



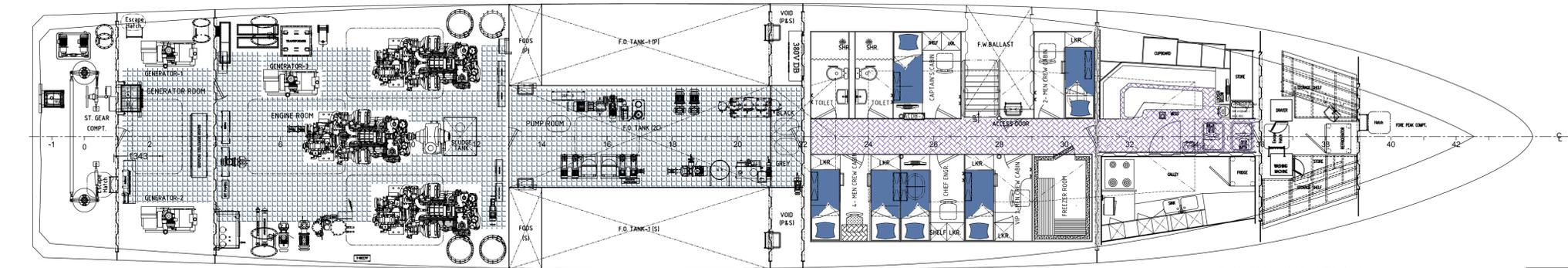
BRIDGE DECK



MAIN DECK PLAN

Note: THIS DRAWING IS ALSO APPLICABLE FOR HULL NO. H177/20, JOB NO. J-167 AF, H178/20, JOB NO. J-168

**PRELIMINARY**



BELOW DECK PLAN

THIS DRAWING IS THE SOLE PROPERTY OF GRANDWELD AND MUST IN NO CASE WHOLLY OR PARTIALLY BE SHOWN, COPIED AND ISSUED TO A THIRD PARTY WITHOUT EXPRESSED APPROVAL AND CONSENT OF GRANDWELD

REV.	DESCRIPTIONS	DATE	DRN.	CHKD.	APPD.	ISSUE
1	WH AFT RAISED 300MM, DWG UPDATED.	10/12/20	SHAJU	SD	SURAJ	IFA
2	FW ANTI-HEELING TK VOLUME UPDATED.	06/09/20	BJ	SD	SURAJ	IFA
3	CLIENT'S COMMENTS INCORPORATED	24/06/20	SHAJU	SURAJ	SURAJ	IFA
4	FIRST ISSUE	11/06/20	SHAJU	SURAJ	SURAJ	IFA

DESIGN: GRANDWELD  
CLASS: B.V.

PROJECT: **42M ALUM. CREW BOAT**

SHEET CONTENTS: **GENERAL ARRANGEMENT**

DRAWN BY	: SHAJU	DATE	: 11/06/2020	DWG. NO.:		REVISION:	
CHECKED BY	: SURAJ	SCALE	: 1:75	H176-101-001		R3	
APPROVED BY	: SURAJ	FORMAT	: A1	SHEET	: 1 OF 1		

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