

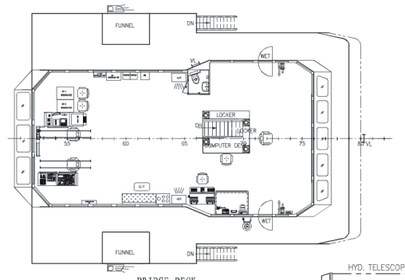
M/V INW - 30

(DP-2,FIFI-1,AHTS)

PRINCIPALE PARTICULARS		CAPACITY	
BUILT	2021	Deck Strength	5 tons/m^2
G.R.T	1826 T	Clear Deck Area	450 m^2
N.T	547 T	Deck Cargo	600 Tons
Class	BV	Fuel Oil	580 m^3
Notation	I * HULL * MACH	Fresh Water	500 m^3
	Anchor Handling Vessel, Tug Supply Vessel, Fire	D.W/S.W.B	500 m^3
	Fighting Ship - 1 water spraying,Unrestricted Navigation	MUD	250 m^3
	,* DYNAPOS AM/AT R	DRY BULK	170 m^3
IMO No.	9776705	BRINE	250 m^3
Call Sign	HOA7271	ORO	250 m^3
Flag	PANAMA	Chiller	25 m^3
DIMENSIONS		Freezer	25 m^3
Length Overall	60.08 m	**DISCHARGE RATE**	
Length B.P	56.26 m	Fuel Oil cargo pump	1 x 100 m^3 / hr at 100 m head
Breadth Moulded	16 m	Fresh Water cargo pump	1 x 100 m^3 / hr at 100 m head
Depth	6 m	Bilge / Ballast Pump	1 x 60 m^3 / hr at 50 m head
Draft	4.9 m	Mud / Brine / ORO	2 x 75 m^3 / hr at 55 m head
MACHINERY		Mud Circulation	2 X 25 m^3 / hr at 40 m head
Main Engines	2 x 3200BHP/750RPM, Niigata 8L28HX	Dry Bulk	2 x 20 m^3 / hr at 31 m head
Auxiliary Engines	3 x 450KW, 415V/50Hz, Caterpillar C18	**TOWING/ ANCHOR HANDLING EQUIPMENT**	
Emergency Generator	1 x 95KW, 415V/50Hz, Cummins CCFJ95E-KC	Bollard Pull	80 Tons
Shaft Generator	2 x 1000kw	Towing/ Anchor Handling	1 x 1000 m x 85 mm, Brake hold 250 Ton
Bow Thruster	2 x 871 BHP , Electric Motor Driven	Towing Winch	Hydraulic, Double drum, Waterfall
Propellers	2 x Azimuth (Fixed pitich propeller)	Upper Drum Capacity	58 mm x 1000 m
Anchors	2 x stokless Anchors with 550 m, 38mm chain cable	Lower Drum Capacity	58 mm x 500 m
Maximum Speed	13 Knots	spare wire	58 mm x 1000 m

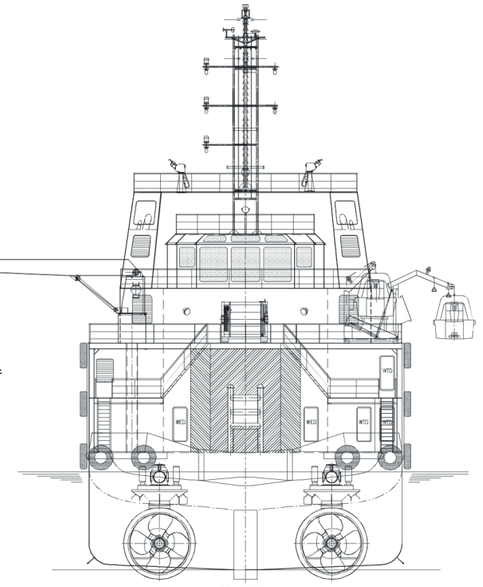
DECK & AUXILIARY EQUIPMENT	
Capstans	2 x S.W.L 5 Tons/each
Tugger Winch	2 x S.W.L 10 Tons/each, Static pull 15 T, 1st Layer 10 T
Stern Roller	4.8m x 1.5m dia x 300 Tons S.W.L
Anchor Windlass Winch	1 x 10 Tons at 12m/min.
Shark Jaw	1 x S.W.L 250 Tons
Tow Pins	1 x S.W.L 250 Tons
Shipboard Crane	1 x 5T @ 15m Telescopic Boom
ACCOMMODATION	
4 x 1 Man	4 Men
5 x 2 Man	10 Men
9 x 4 Man	36 Men
Total	50 Men
DP-2 SYSTEM	
DP-2 Control system	1 shipset with main control console
Interface system	In wheel house
Joystick controlled	1 shipset with main control console
DGPS	2 Set, Kongsberg DPS 112
RADIUS	1 Set, Kongsberg 1000
RADIO & NAVIGATION EQUIPMENT	
GMDSS	A1+A2+A3
Radar	1 x JRC / JMA-5312-6
	1 x JRC / JMA-2353
Echo Sounder	1 x JRC / JFE-380 + one repeater (Casis MD-232)
AIS	1 x JRC / JHS-183
GPS	1 x JRC / JLR-7800
EPIRB	1 x JOTRON / TRON 60S
SART	2 x JOTRON / TRON SART20
Portable two-way transceivers	3 X ENTEL / HT649
NAVTEX	1 X JRC / NCR-333
Inmarsat C/LRIT	1 X JRC / JUE-87
SSB	1 X JRC / JSS-2250 MF/HF
Fixed VHF Radio	2X JRC / JHS-770S
Autopilot	1 X ALPHATRON / ALPHASEAPILOT MFC
Magnetic Compass	1 X SAURA KEIKI / SR-165
BNWAS	1 X JRC / HA -300
Gyro Compass	3 X YOKOGAWA / CMZ900
Weather Fax Receiver	1 x JRC / JAX-9B
FIRE FIGHTING EQUIPMENT	
EXTERNAL	
Fire Pump	2 x 1577 m^3 / hr
Fire Monitors	2 x 1200 m^3 / hr
Fire Fighting Sprinklers	All Round Water Curtain 1200 m^3 / hr
INTERNAL	
Co_2 system for E/R	45 kg x 18 cylinder
GS & Fire Pump	1 x 60 m^3 / hr at 50 m head
Emergency Fire Pump	1 x 35 m^3 / hr at 45 m head

GA PLAN M/V INW - 30



BRIDGE DECK

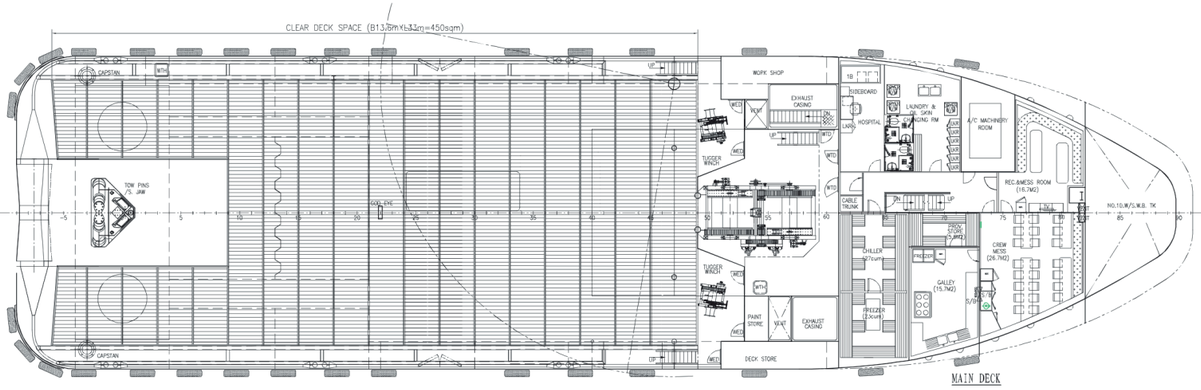
PROFILE



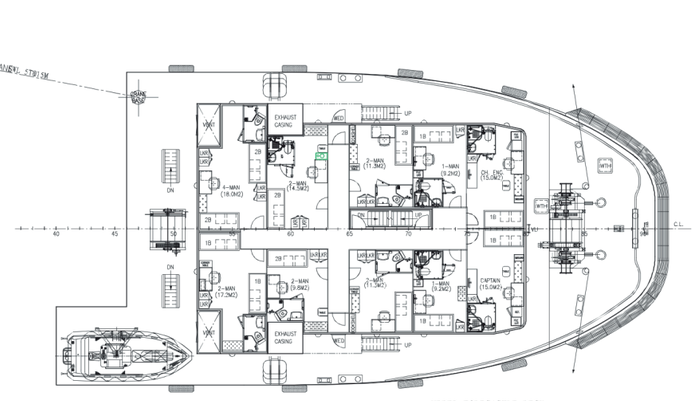
STERN VIEW

PRINCIPAL PARTICULARS

LENGTH OA	60.80m
LENGTH WL	58.50m
BEAM MLD	16.00m
DEPTH MLD	6.00m
DRAFT DESIGNED (to BL)	4.90m
(to Keel)	5.40m
COMPLEMENT	50MEN
F.O. (Appr.)	580m^3
F.W. (Appr.)	300m^3
D.W/S.W.B.(Appr.)	500m^3
FOAM (Appr.)	12m^3
DISPERSANT(Appr.)	20m^3
HYD. OIL (Appr.)	6m^3
LUB. OIL (Appr.)	12m^3
DIRTY OIL (Appr.)	6m^3
DRY BULK (Appr.)	170m^3
LIQUID MUD/BRINE(Appr.)	250m^3
CLEAR DECK SPACE(Appr.)	450m^2
FRAME SPACING	600mm

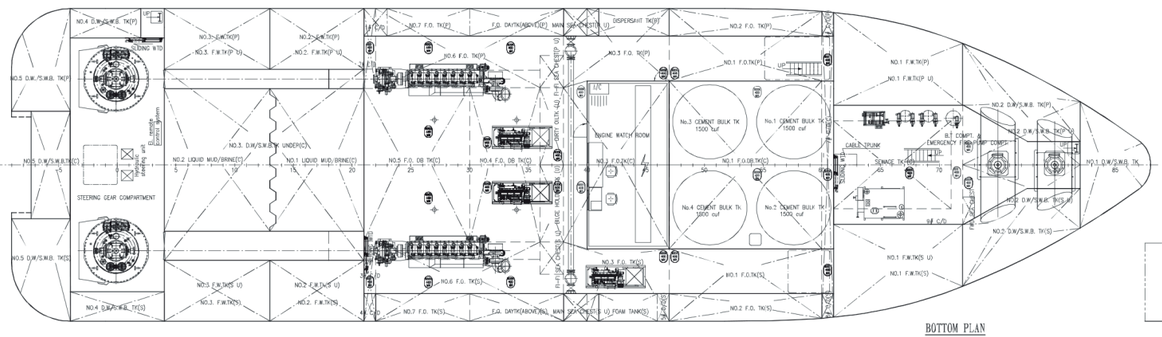


MAIN DECK

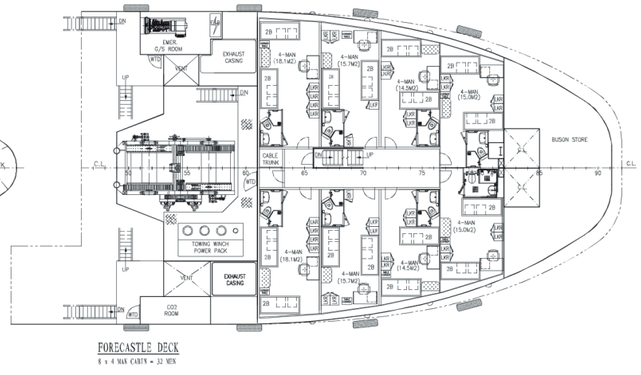


UPPER FORECASTLE DECK

3 x 4 MAN CABIN = 4 MEN
5 x 2 MAN CABIN = 10 MEN
4 x 1 MAN CABIN = 4 MEN
18 MEN



BOTTOM PLAN



FORECASTLE DECK

8 x 4 MAN CABIN = 32 MEN

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DATE	MODIFICATION	REV	BY

OWNER: INTERNATIONAL NAVAL WORKS

SHIP: 61m DP2 A.H. TUG/SUPPLY VESSEL

TITLE: GENERAL ARRANGEMENT

BUILDER & DESIGNER	GUANGZHOU SHIUNHAI SHIPYARDS LTD			YARD NO: SH111		
CLASS	BV+A1(E), OFFSHORE SUPPORT VESSEL, ANCHOR HANDLING, TOWING VESSEL, FIRE FIGHTING VESSEL CLASS 1, DYNAPOS AM/AT R					
DESIGNED	CHECKED	VERIFIED	APPROVED	SCALE	DRAWING NO.	REV
Lu Linhua	Liu Hong	Feng Weiwen	Li Linhua	1:150	SH6111-G1	as built

A1