INTERNATIONAL NAVAL WORKS

INTERNATIONAL MARINE WORKS (Free Zone Co.)

Diving and Marine Contractors

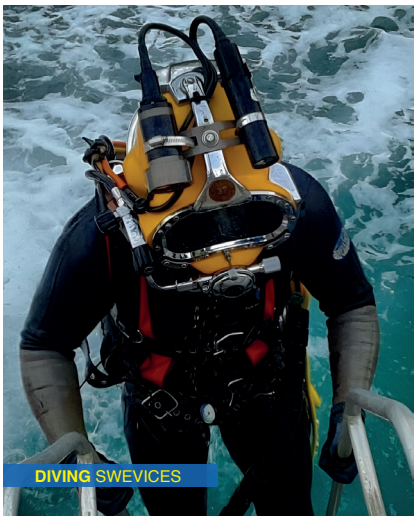
MARINE SERVICES



www.inw.com.eg

Brief About

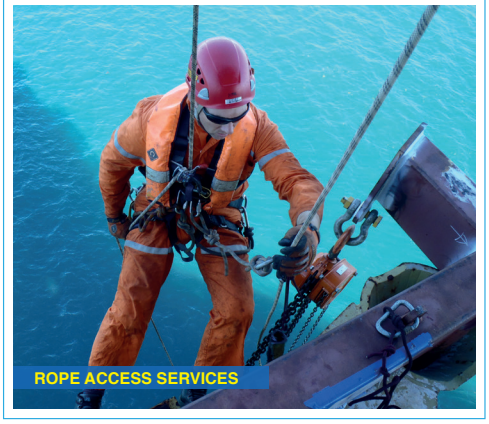
INW/IMW


DIVING SWEVICES




MV INW-3


EQUIPMENT


ROPE ACCESS SERVICES

IInternational Naval Works (INW) is a well-established leader in Egypt and the Middle East's Oil and Gas sector. Founded in 1977, INW is headquartered in Alexandria, with branches in Cairo, the UAE, Saudi Arabia, Qatar, and Kuwait.
In 2002, INW expanded its operations through the creation of its subsidiary, **International Marine Works (IMW)**, established to serve Egypt's Oil and Gas industry under the Free Zone framework, allowing enhanced operational flexibility. IMW focuses exclusively on Egypt, while INW continues to provide services across Egypt and the wider Middle East region.

Delivering excellence beneath the surface and beyond, INW/IMW offers advanced Diving & ROV operations, Subsea Inspection and Maintenance, Offshore Construction Support, Marine services, and fully integrated solutions tailored to the Oil & Gas industry

Our Core Services

Diving

- Civil Works
- Cutting & Welding
- Inspection
- Offshore and construction

ROV

- Seaeye Cougar
- Seaeye Tiger
- Seaeye Lynx
- Seaeye Falcon DR
- VideoRay Pro III XE GTO
- Fifsh V6 Expert
- Fifsh V6 Plus

NDT INSPECTION

- Plant Inspection
- NDT Activities
- painting & Coating
- Cathodic Protection
- Welding Inspection

MARINE

- M/V "INW-1" (Diving Support Vessel)
- M/V "INW-2" (Utility Support Vessel)
- M/V "INW-3" (FiFi-1,AHT,OSV "Well Testing Vessel")
- M/V "INW-4" (FiFi-1,AHT,SSRV)
- M/V "INW-5" (FiFi-1,AHT, Topside Maintenance)
- M/Vs "INW-6,7,8" Sister Vessels (Crew Boats)
- M/Vs "INW-9,11" Sister Vessels (Crew Boats)
- M/V "INW-10" (DP-2., FiFi-1,AHTS,Oil Recovery,R.O.V)
- M/V "INW-30" (DP-2., FiFi-1,AHTS)

ROPE ACCESS

- Asset Integrity Management
- Splash Zone Intervention
- Non Destructive Testing
- Inspection, Maintenance & Repair
- Rescue Services













INW/IMW FLEET

At **INW/IMW**, we deliver integrated offshore and onshore services to provide complete maritime solutions under one umbrella.

With 50 years of experience in the Maritime and Offshore industry, we have established ourselves as a trusted partner to the global energy sector.

Our Marine Services division, supported by a fleet of 13 vessels operating in Egypt and regional branches in the UAE, KSA, Qatar, and Kuwait, continues to expand to meet the growing demands of our clients.

We cover every phase of offshore exploration, development, and production, offering Dynamic Positioning operations, towing and anchor handling for drilling rigs, transportation of supplies and personnel, support for drilling, research, and workover operations, as well as subsea inspection, maintenance, and underwater services. In addition, we provide specialized solutions such as pipe laying, cable laying, anti-pollution response, fire-fighting support, and seismic operations.

All our vessels are designed and operated in strict compliance with international marine regulations and the standards of major oil and gas companies. Our operations are certified under globally recognized frameworks, including the ISM Code, ISPS Code, MLC 2006, and IACS Class certifications, as well as ISO 9001:2008, ISO 14001:2004, and OHSAS 18001:2007.

At INW/IMW, professionalism, safety, and operational excellence define our approach, and our experienced marine personnel—both offshore and onshore—are dedicated to delivering reliable service and long-term value to our clients.



M/V INW-1
(DIVING SUPPORT VESSEL)

PRINCIPLE PARTICULARS	
REBUILT	2016
G.R.T	404 T
N.T	81 T
Notation	VAI / 1 MY Supply Vessel
IMO NO.	8112809
Call Sign	HP-8782
Flag	PANAMA

DIMENSIONS	
Length Overall	38.00 m
Length B.P	36.5 m
Breadth Moulded	9.50 m
Depth Moulded	3.70 m
Draft Moulded	3.20 m

MACHINERY	
Main Engines	2X 1060 HP, GM 16V 149NA
Auxiliary Engines	2X135 KW,GM 6-71T & 1 X 215 KW Caterpillar C9JB
Bow Thruster	1 X 150 HP, Electric Motor Driven
Propellers	2 X SOLID Fixed Pitch Propellers
Rudders	Conventional
Anchors	2 X Stockless Anchors With 12 Lengths of 1 Inch Stud Link Chain.
Maximum Speed	12.00 Knots

CAPACITY	
Deck Strength	1.29 T /m^2
Clear Deck Area	104.7 m^2
Fuel Oil	117.00 m^3
Fresh Water	145.00 m^3
Lube Oil	3.6 m^3

DECK & AUXILIARY EQUIPMENT:DECK & AUXILIARY EQUIPMENT:	
Hydraulic A-Frame	Length 3.88 M, Width 3.45 m and Height 5.0 m, SWL 10 Tons
Capstans	2 X SWL 5 Tons / each
Tugger Winch	1 X SWL 4 Tons

ACCOMMODATION	
4 X 2 Men	8 Men
2 X 4 Men	8 Men
2 X 6 Men	12 Men
Total	28 Men

RADIO & NAVIGATION EQUIPMENT	
VHF	2 X SAILOR – RT 144 C
Portable VHFs	2XSI-TEX MARINE ELECTRONICS
SSB Radio	1 X FURUNO – FS 1502 2 X FURUNO-2510
Emergency Radio	1 X SKANTI
Radar	2 X FURUNO – MODEL FR 1011
Gyro Compass	1 X GYLOT TOKYO KEIKE– PR -222-E
Mgentic Compass	1 X DANFORTH
Auto Pilot	1 X H2
Navtex Receiver	1 X ALDEN – N.T 900
GPS	1 X KODEN – KGD 911
EPIRB	2 X RES-Q-SAT-RB-1

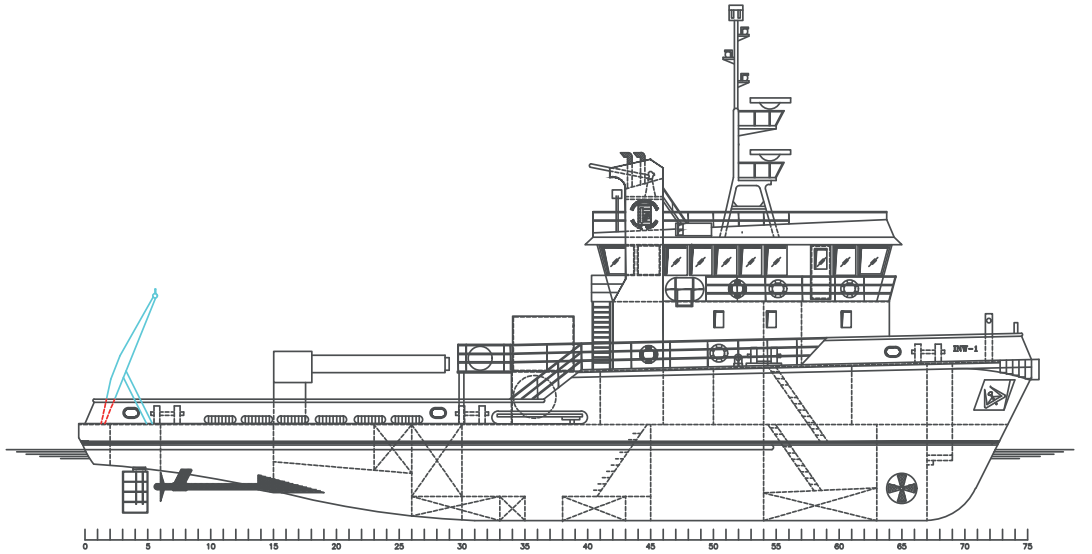
FIRE FIGHTING EQUIPMENT

INTERNAL	
Co_2 System For E / R	Fixed Central bank
Fire Pump	1 x 145 m^3 / hr at 71m Head
Emergency Fire Pump	1 x 5 m^3 / hr at 42m Head

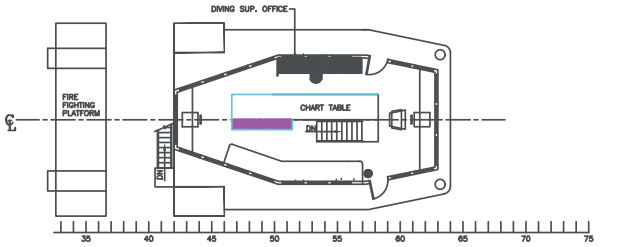
GA Plan M/V " INW-1"

PRINCIPAL PARTICULARS

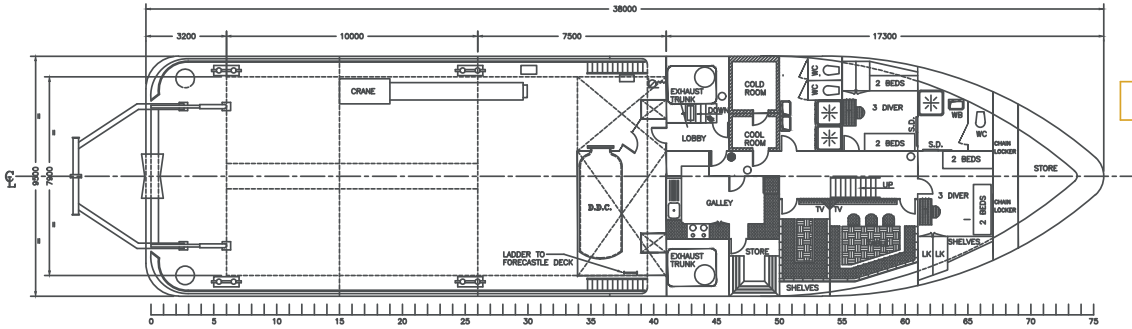
L.O.A.	38.00m (124.68')
L.W.L.	36.50m (119.76')
BEAM	9.50m (31.17')
DEPTH	3.70m (12.14')
DRAFT	3.20m (10.50')
ACCOMMODATION	26 MEN
F.W.	158.26m³ NORMAL 173.43m³ MAX.
F.O.	228.86m³ NORMAL 246.63m³ MAX.
FOAM	5.23m³
DETERGENT	5.23m³
MAIN ENGINES	2XGM 16V 149T 2X930 BHP at 800 RPM C/W MG 540 5.17:1



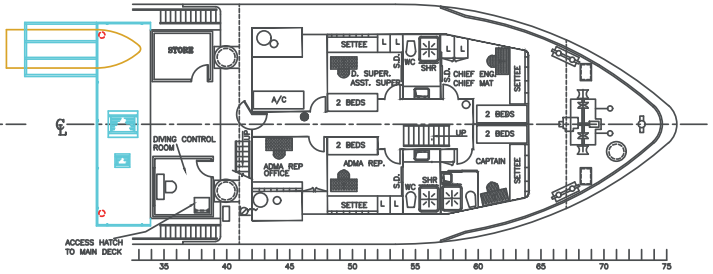
PROFILE



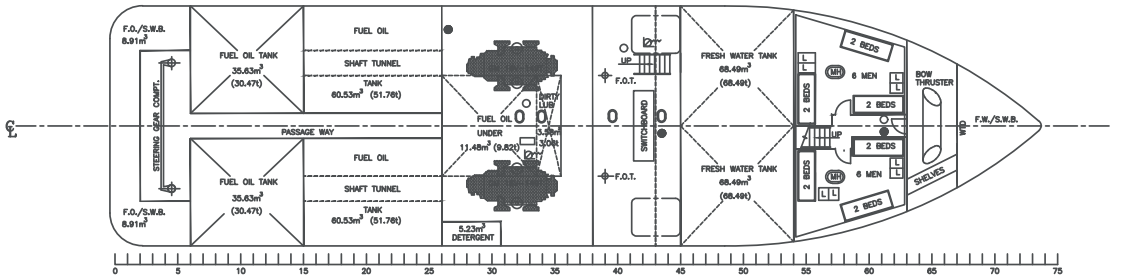
WHEELHOUSE DECK



MAIN DECK



FORECASTLE DECK



BELOW MAIN DECK

VESSEL NAME	M.V. INW-1
OWNER	INTERNATIONAL NAVAL WORKS
TITLE	GENERAL ARRANGEMENT PLAN
SCALE	1 : 50



M/V INW-2
(UTILITY SUPPORT VESSEL)

PRINCIPLE PARTICULARS

BUILT	Dec. ,2008
G.R.T	387T
N.T	116T
Class	ABS
Notation	A1,TowingVessel ,AMS
IMO NO.	9529624
Call Sign	HO-5563
Flag	PANAMA

DIMENSIONS

Length Overall	36.00 m
Length B.P	33.28 m
Breadth Moulded	9.80 m
Depth Moulded	4.30 m
Draft Moulded	3.50 m

MACHINERY

Main Engines	2 X 1000 BHP / Caterpillar 3508 B
Auxiliary Engines	2 X 215 kw / Caterpillar 3406 C
Bow Thruster	1X 200 BHP Electrical motor driven thrust
Propellers	2 X Fixed Pitch Propeller
Rudders	Conventional
Anchors	2 X Stockless Anchors With 15 Lengths of 22 mm dia Stud Link Chain
Maximum Speed	12.00 Knots

CAPACITY

Deck Strength	2.5 Tons/m^2
Clear Deck Area	130 m^2
Fuel Oil	260.8 m^3
Fresh Water	99.124 m^3
Chiller	6 m^3
Freezer	6 m^3

DISSCHARGE RATE

Fuel Oil	35 m^3 / hr at 40 m head
Portable Water	35 m^3 / hr at 40 m head

TOWING/ ANCHOR HANDLING EQUIPMENT

Bollard Pull	29.81 T
Towing / Anchor Handling	1 x 30 Tons, Brake Hold 40 Tons
Towing Winch	Single Drum, Waterfall arrangement
Drum Capacity	33 mm dia. x 500m

DECK & AUXILIARY EQUIPMENT

Anchor Windlass	1 X 3 Tons at 12 m/min
Deck Crane	1 X 3 T @ 6 M

ACCOMMODATION

2 X 1 Man	2 Men
5 x 2 Men	10 Men
2 x 4 Men	8 Men
Total	20 Men

RADIO & NAVIGATION EQUIPMENT

SSB	1 X JRC
VHF	3 X JHS-7E-Furuno
Radar	2 X JMA-5210-6-JRC
Echo Sounder	1 X JEF-380-JRC
Gyro Compass	1 X GMZ900-JRC
GMDSS	1 x JRC-JSB-196 GM
Magnetic Compass	1 x JRC
Speed Log	1 x JRC-JLN-205
Auto Pilot	1 x JRC
Navtex Receiver	1 x JRC, NCR-333
DGPS Navigation	1 x JRC, J-NAV 500
AIS	1 x JRC, JHS-182
EPIRB / SART	1 x JRC, JQE -103
Joy Stick Control	2 X Palmarine
Weather Faximile	1 X JRC ,JAX-9B

FIRE FIGHTING EQUIPMENT

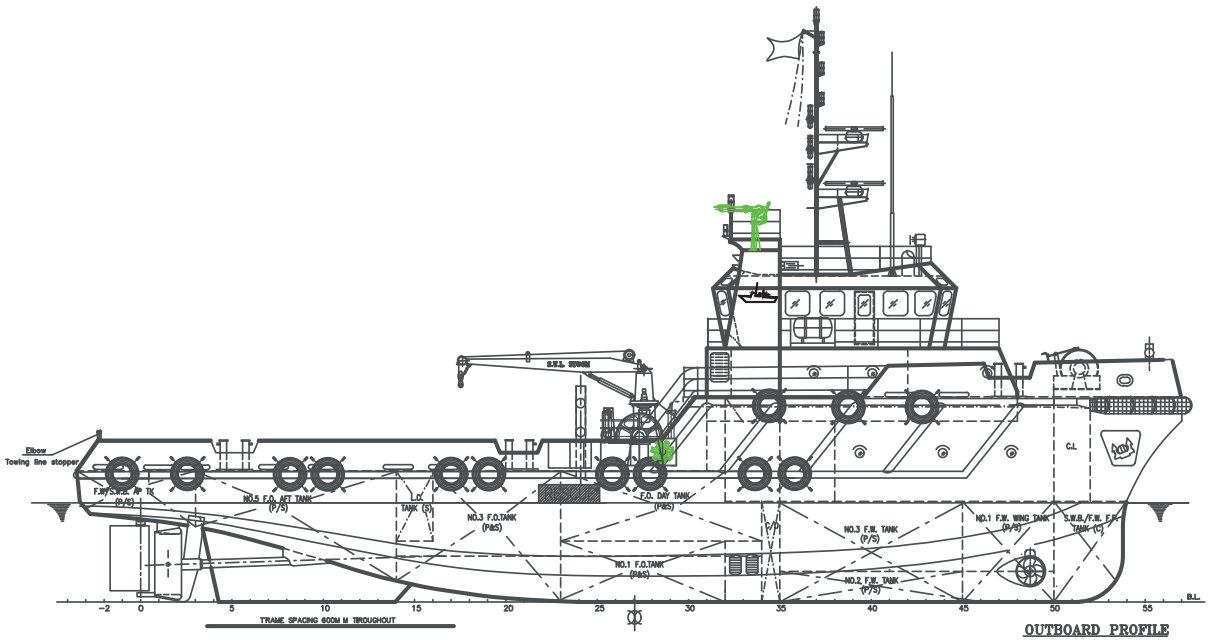
External

Fire Pump	1 X 650 m^3/hr at 10 bar.
Fire Monitors	2 water monitors (one with Double barrel for foam discharge)
Fixed Water Spraying	All round water curtain 35 m^3/hr.

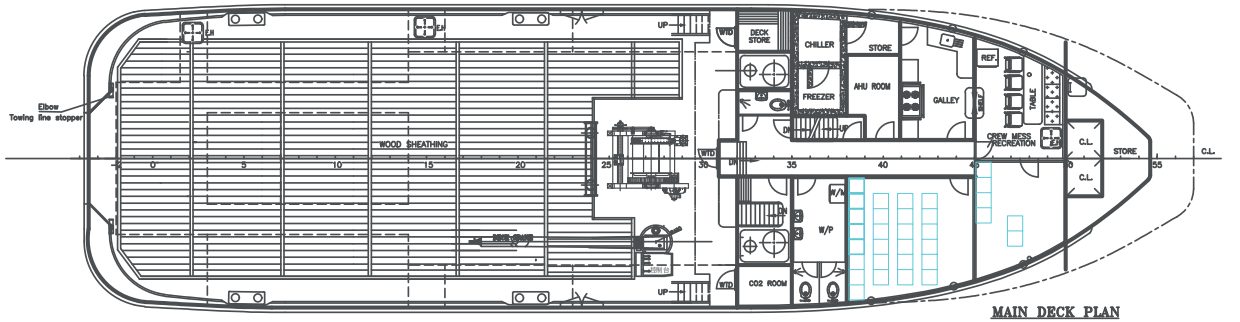
Internal

Co_2 System for E / R	Fixed central bank.
GS & Fire Pump	1 x 35 m^3 /hr at 33 m head.
Emergency Fire Pump	1 X 25 m^3/hr at 30 m head.

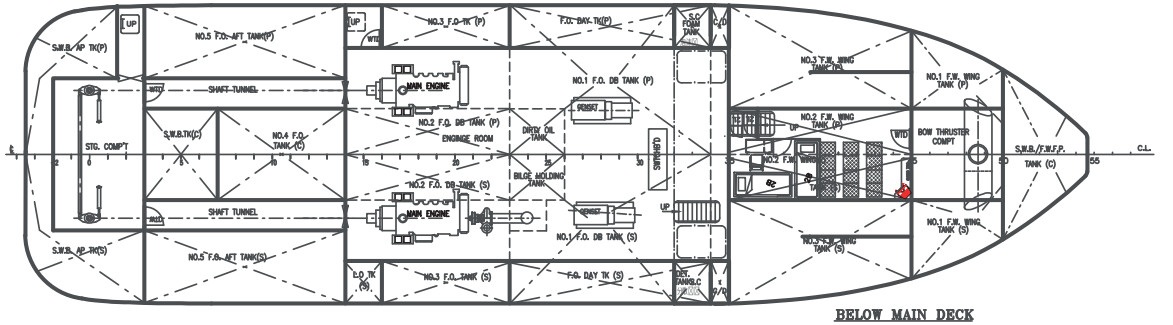
GA Plan M/V " INW-2"



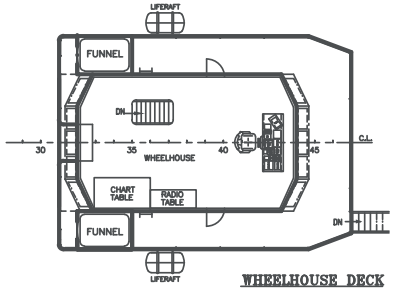
OUTBOARD PROFILE



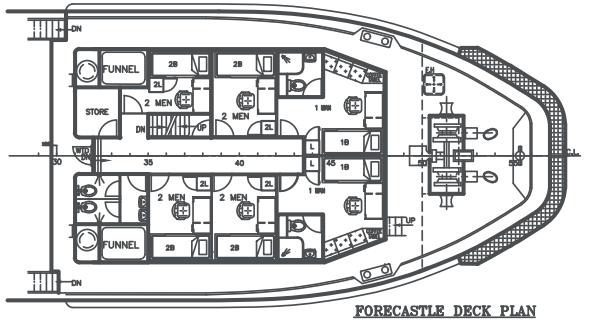
MAIN DECK PLAN



BELOW MAIN DECK



WHEELHOUSE DECK

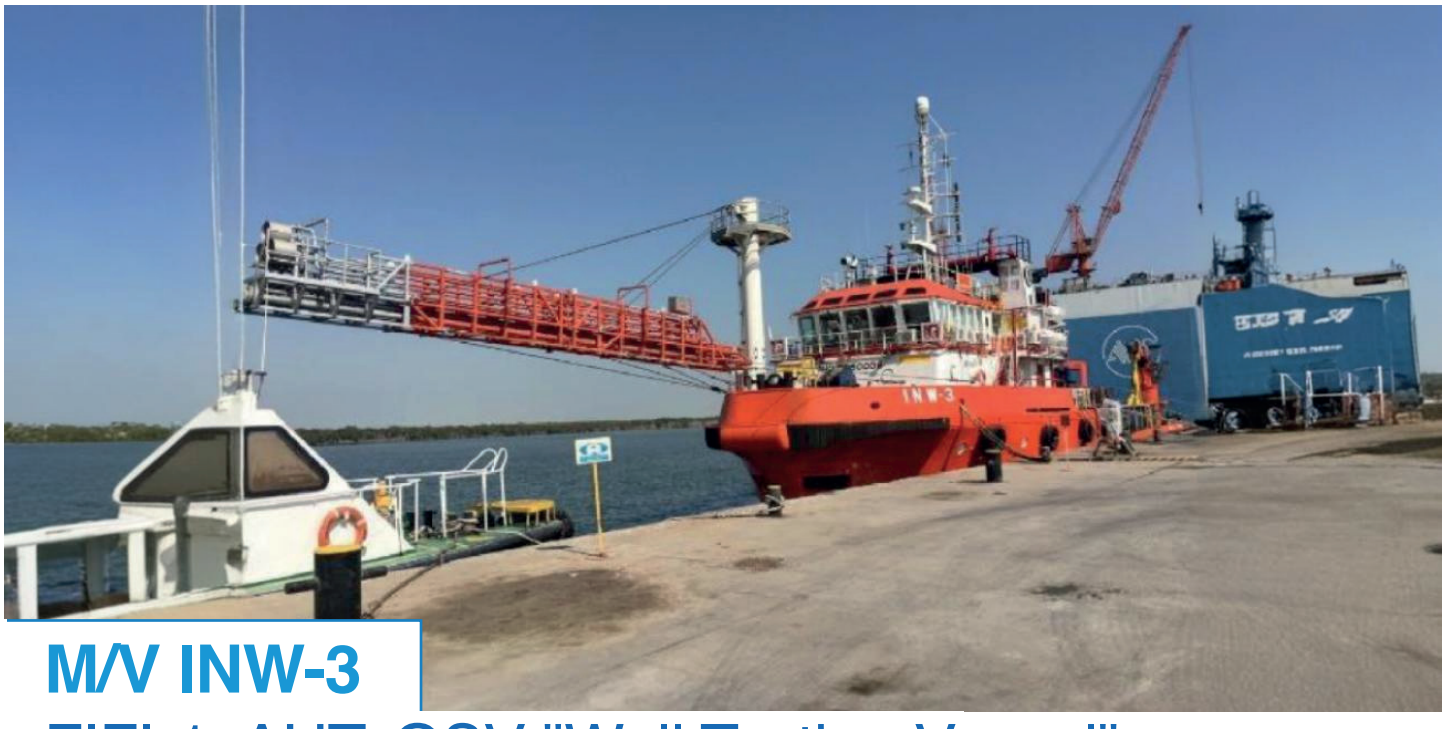


FORECASTLE DECK PLAN

PRINCIPAL DIMENSIONS

LENGTH OVERALL	36.30 M
LENGTH WATERLINE	34.48 M
LENGTH BETWEEW PERPENDICULARS	32.46 M
BREADTH MOULDED	9.80 M
DEPTH MOULDED	4.30 M
DESIGN DRAFT MOULDED	3.50 M
COMPLEMENT	20 MEN
FUEL OIL	260.8 M^3
FRESH WATER	99.124 M^3
TOTAL POWER	2000 BHP
SPEED (SEA TRIAL)	ABT. 12 KNOTS
WOOD DECK AREA	130 M^2

VESSEL NAME	M.V. INW-2 ESL
OWNER	INTERNATIONAL NAVAL WORKS
TITLE	GENERAL ARRANGEMENT PLAN
SCALE	1 : 100



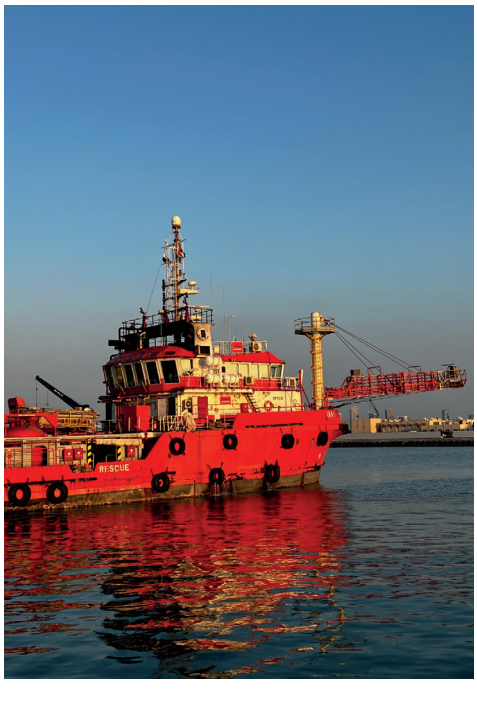
M/V INW-3

FIFI-1, AHT, OSV "Well Testing Vessel"

PRINCIPLE PARTICULARS	
BUILT	Dec. 2009
G.R.T	778 T
N.T	233 T
Class	ABS
Notation	A1, OFFSHORE SUPPORT VESSEL, WELL TEST, AMS
IMO NO.	9550008
Call Sign	3FOV5
Flag	PANAMA
DIMENSIONS	
Length Overall	48.00 m
Length B.P	42.9 m
Breadth Moulded	12.80 m
MACHINERY	
Main Engines	2 X 2375 BHP / Caterpillar 3516B
Auxiliary Engines	3 X 305 kw / Caterpillar 3406 C
Emergency Genset	1 X 50 KW/ Perkins.
Bow Thruster	1 X 400 BHP Electrical motor driven thrust.
Propellers	2X C.P.P
Rudders	Conventional.
Anchors	2X Stockless anchors with 20 lengths, 34 mm dia. Stud link chain.
Maximum Speed	12 Knots
CAPACITY	
Deck Strength	5 Tons/m^2
Clear Deck Area	250 m^2

fuel oil	770 m^3
fresh water	191 m^3
chiller	8 m^3
freezer	8 m^3
DISSCHARGE RATE	
Fuel Oil	70 m^3/ hr at 70 m head.
Fresh Water	70 m^3/ hr at 70 m head.
DECK & AUXILIARY EQUIPMENT	
Capstans	2 x S.W.L 5 TONS / EACH
Tugger Winch	1 x S.W.L 5
Roller	5 M x 1.6 M dia. (SWL 200T)
Anchor Windlass	1 x 5 Ton at 12 m/min
Deck Crane	3 T @ 8 m – 20 m
WELL TEST EQUIPMENT	
Well Test Separator	1
Choke Manifold	1
Reinjection Pumps	2
ESD Panel	1
Water Storage Tank	1
Hydraulic Quick Disconnect	2
Kingpost	1 x 9.1m height
Burner Boom	1 x 18.3m length
ACCOMMODATION	
3 X 1 Man	3 Men
1 X 2 Men	2 Men
7 X 4 Men	28 Men
Total	33 Men
Office	1 Office

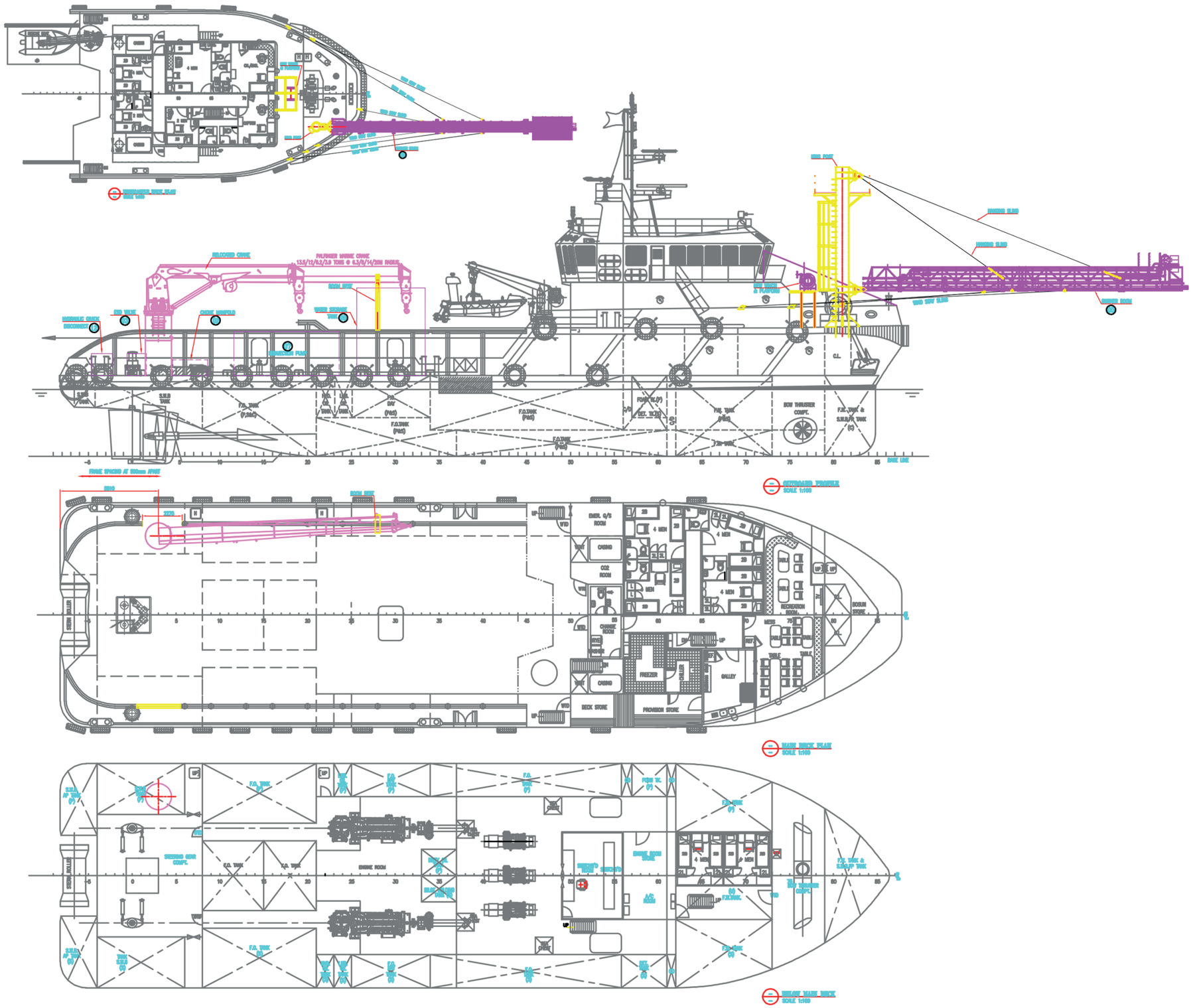
RADIO & NAVIGATION EQUIPMENT	
Weather Fax Receiver	1xJRC JAX-9B
Fixed VHF / DSC / Encoder	2x JRC – JHS – 7705
MF / HF Radio Telephony / DSC	1x SAMYUNG – SRG – 150 DN
Telex (NBDP)	1x SAMYUNG – SN – 100
NAVTEX	1x JRC – NCR – 333
AIS	1x JOTRON – TRON – TR-8000
Inmarsat C / SSAS / EGC	1x JRC – JUE – 85
Portable two-way Transceivers	2x ENTEL – HT649
Portable two-way Transceiver	1x MCMURDO – R2
GPS	1x SAMYUNG – N500R
GPS	1x KODEN – KGP- 915
GPS	1x JRC – JNAV 500
EPIRB	1x MCMURDO E5 SMARTFIND
RADAR	1x KODEN – MRD – 108P
RADAR	1x JRC – JMA – 2343
SART	2x ACR – PATHFINDER 3
Echo Sounder	1x JRC
Gyro Compass	1x YOKOGAWA CMZ 900 B
Magnetic Compass	1x Saura Keiki
Speed Log	1x JRC – JLN - 205
Auto Pilot	1x ComNav Commander P2
Joy Stick Control	2x Palmarine
ECDIS	1x SIMRAD
SVDR	1x Netwave - NW6000S
BNWAS	1x AMI Marine
SAT TV	1x Intellian I6P
Search Lights	2x Francis L300 RC, Remote Control
CCTV	1x Ex Proof Cameras
FIREFIGHTING EQUIPMENT	
External	
Fire Pump	2 X 1200 m^3/ hr at 11 bars.
Fire Monitors	2 water monitors (One with double barrel for foam discharge)
Fixed Water Spraying	All round water curtain 35 m^3/hr
Internal	
Co_2 system for E/R	Fixed central
GS & Fire Pump	1 x 50 m^3 / hr at 45 m head
Emergency Fire Pump	1 X 25 m^3/ hr at 45 m head



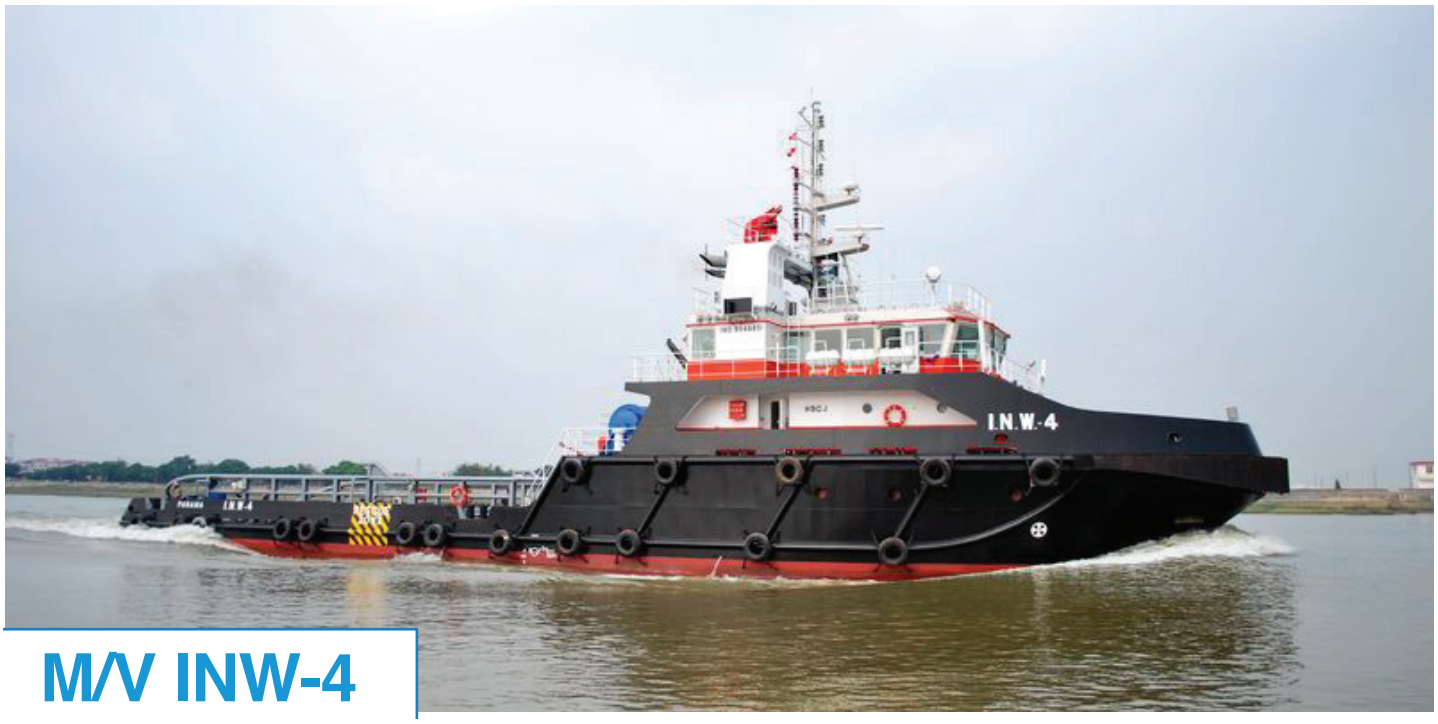




INW-3 General Arrangement Plan



VESSEL NAME	M.V. INW-3
OWNER	INTERNATIONAL NAVAL WORKS
TITLE	GENERAL ARRANGEMENT PLAN
SCALE	1 : 100



M/V INW-4
(FIFI-1, AHT, SSRV)

PRINCIPLE PARTICULARS

BUILT	Dec., 2009
G.R.T	873 T
N.T	262T
Class	ABS
Notation	A1 Towing Vessel,Fire Fighting Vessel Class 1, Offshore Support Vessel AH,AMS.H,AMS
IMO NO.	9546851
Call Sign	H9CJ
Flag	PANAMA

DIMENSIONS

Length Overall	48.00 m
Length B.P	42.5 m
Breadth Moulded	13.20 m
Depth Moulded	4.80 m
Draft Moulded	3.80 m

MACHINERY

Main Engines	2 X 2375 BHP / Caterpillar 3516B-HD
Auxiliary Engines	3 X 245 kw / Caterpillar 3046 C
Emergency Genset	1 X 56 KW/ Perkins
Bow Thruster	1 X 400 BHP Electrical motor driven thrust
Propellers	2X Fixed Pitch Propeller.
Rudders	Conventional
Anchors	2X Stockless anchors with 22 lengths, 34 mm dia. Stud link chain
Maximum Speed	12.50 Knots

CAPACITY

Deck Strength	5 Tons/m^2
Clear Deck Area	215 m^2
Fuel Oil	523 m^3
Fresh Water	246 m^3
Chiller	8 m^3
Freezer	8 m^3

DISCHARGE RATE

Fuel Oil	70 m^3/ hr at 70 m head
Fresh Water	70 m^3/hr at 70 m head

TOWING/ ANCHOR HANDLING EQUIPMENT

Bollard Pull	61.88 T
Towing / Anchor Handling	1 X 120 Tons Line Pull, Brake hold 200 Tons.
Towing Winch	Hydraulic,Doubledrum, Waterfall arrangement.
UpperDrum Capacity	52mm dia. X 1000 m
Lowe Drum Capacity	50 mm dia. X 500 m
Drum Capacity	52 mm dia. X 1000 m

DECK & AUXILIARY EQUIPMENT

Capstans	2 X S.W.L 5 Tons/each
Tugger Winch	1 X S.W.L 5 Tons
Roller	5mX1.6m dia(S.W.L 200 Tons)
Anchor Windlass	1 X 5 Tons at 12 m/min
Shark Jaw	1 X S.W.L 200 Tons
Tow Pins	2X S.W.L 200 Tons
Deck Crane	3Tons (S.W.L)

FRC (6 persons) with Davit.

ACCOMMODATION	
2 x 1 Man	2 men
2 x 2 Men	2 men
6 x 4 Men	24 men
Total	30 men

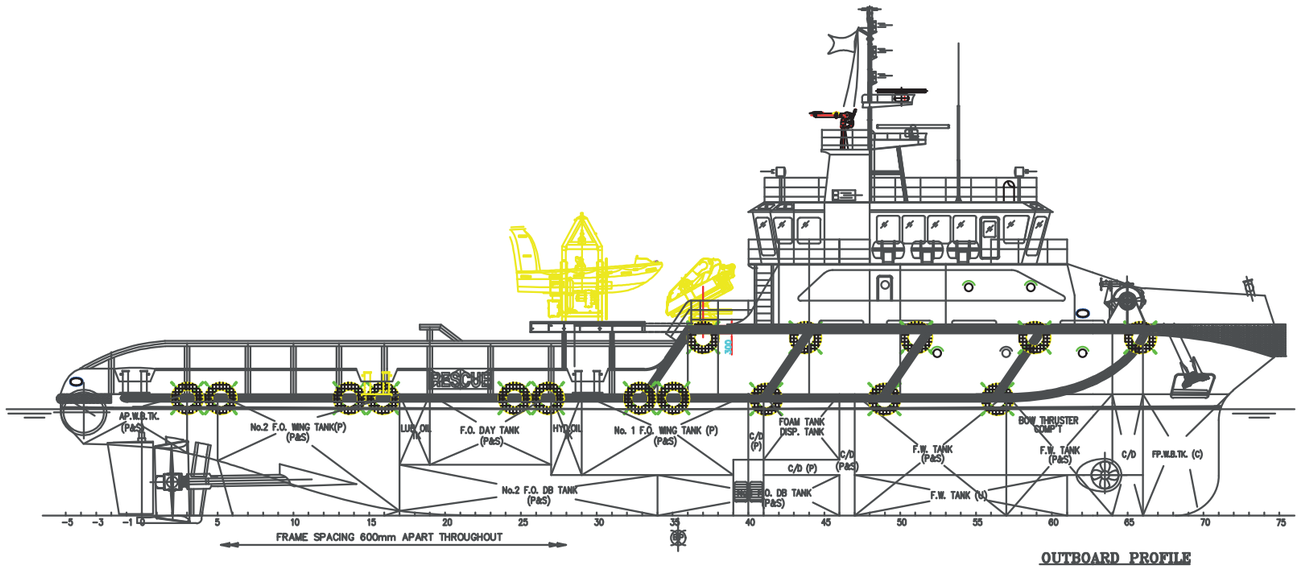
RADIO & NAVIGATION EQUIPMENT	
SSB	1 X Furuno
VHF	3 X MCMURDO R1
Radar	2 X Furuno
Echo Sounder	1 X Furuno
Gyro Compass	1 X GM NAV 2001
GMDSS	Furuno, A1 + A2 +A3
Magnetic Compass	1 X SAURU
Speed Log	1 X Furuno
Auto Pilot	1 x Furuno
Navtex Receiver	1 X JRC
DGPS Navigation	1 X Furuno
AIS	1 X Furuno
EPIRB / SART	1 X MCMURDO E3
Joy Stick Control	2 X Palmarine
Weather Faximile	1 X Furuno
ECDIS	MDP –A2
SVDR	MDP –A5
Fixed H2S @ Gas Detection	

FIRE FIGHTING EQUIPMENT

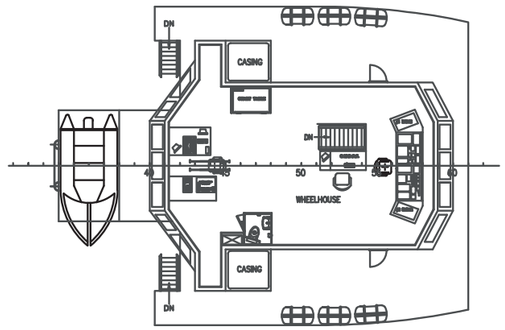
External	
Fire Pump	2 X 2800 m^3/hr at 11 bars
Fire Monitors	2 water monitors (One with double barrel for foam discharge)
Fire Water Spraying	All round water curtain 35 m3/hr.

Internal	
Co_2 system for E/R	Fixed central bank.
GS & Fire Pump	1 x 50 m^3 /hr at 33 m head.
Emergency Fire Pump	1 X 25 m^3/hr at 30 m head.

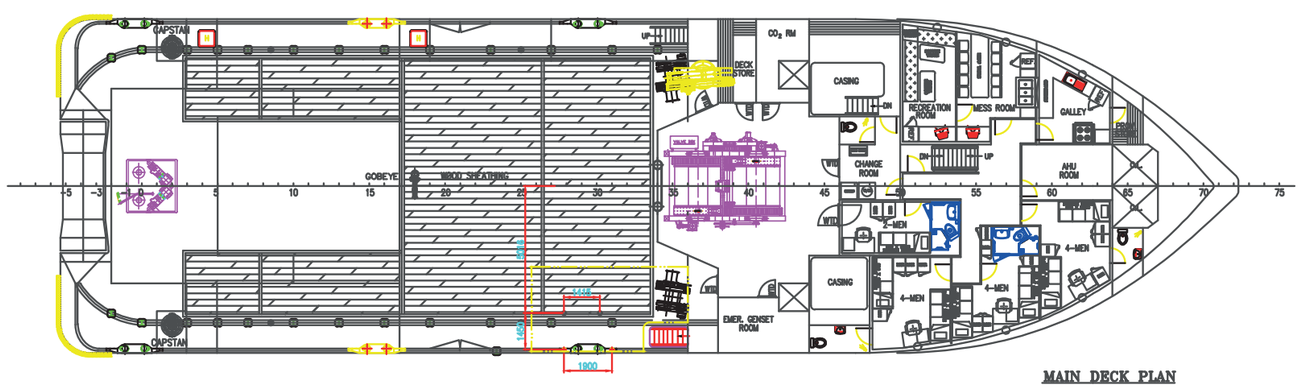




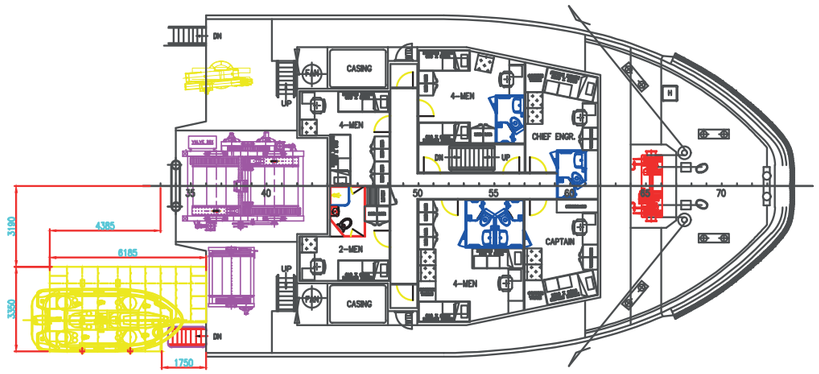
OUTBOARD PROFILE



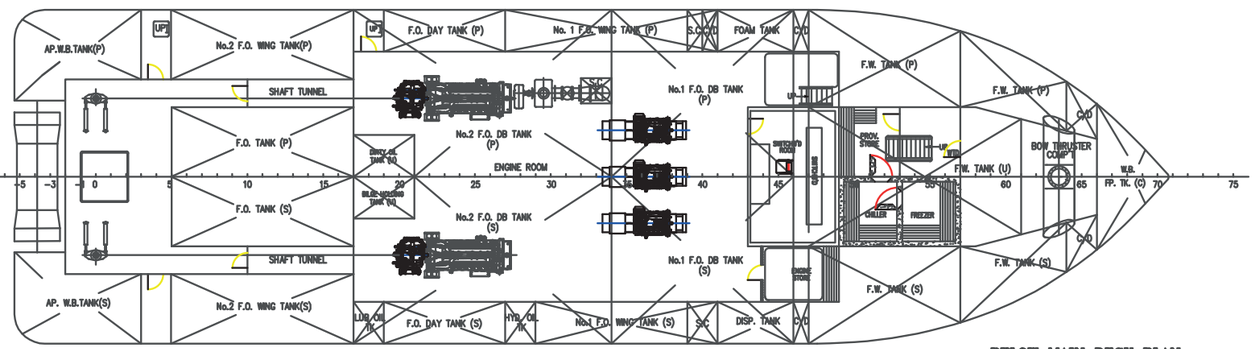
BRIDGE DECK PLAN



MAIN DECK PLAN



FORECASTLE DECK



BELOW MAIN DECK PLAN

PRINCIPAL DIMENSIONS

LENGTH OVERALL	48.00 M
LENGTH WATERLINE	45.56 M
LENGTH BET. PERP.	42.40 M
BREADTH MOULDED	13.20 M
DEPTH MOULDED	4.80 M
DESIGN DRAFT MOULDED	4.20 M

VESSEL NAME	M.V. INW-4
OWNER	INTERNATIONAL NAVAL WORKS
TITLE	GENERAL ARRANGEMENT PLAN
SCALE	1 : [illegible]



M/V INW-5

(FIFI-1,AHT, TOPSIDE MAINTENANCE)

PRINCIPLE PARTICULARS

BUILT	2011
G.R.T	795 T
N.T	238 T
Class	B.V
Notation	1+ Hull+ MACH, Tug - Fire Fighting Ship 1 - Water Spraying
IMO NO.	9596624
Call Sign	H09167
Flag	PANAMA

DIMENSIONS

Length Overall	48.00 m
Length B.P	42.90 m
Breadth Moulded	12.80 m
Depth Moulded	4.60 m
Draft Moulded	4.00 m

MACHINERY

Main Engines	2 X 2100 BHP / Caterpillar 3516B
Auxiliary Engines	3 X 245 kw / Caterpillar 3046 C
Emergency Genset	1 X 50 KW/ Perkins
Bow Thruster	1 X 400 BHP Electrical motor driven thrust
Propellers	2X Fixed Pitch Propeller.
Rudders	Conventional
Anchors	2X Stockless anchors with 15 lengths, 28 mm dia. Stud link chain
Maximum Speed	12.00 Knots

CAPACITY

Deck Strength	5 Tons/m^2
Clear Deck Area	210 m^2
Fuel Oil	670m^3
Fresh Water	270 m^3
Chiller	8 m^3
Freezer	8 m^3

DISCHARGE RATE

Fuel Oil	80 m^3/ hr at 70 m head
Fresh Water	80 m^3/hr at 70 m head

TOWING/ ANCHOR HANDLING EQUIPMENT

Bollard Pull	52.00 T
Towing/ Anchor Handling	1 X 120 Tons Line Pull, Brake hold 150 Tons.
Towing Winch	Hydraulic,Double drum, Waterfall arrangement.
Upper Drum Capacity	52 mm dia. X 1000 m
Lowe Drum Capacity	50 mm dia. X 500 m
Drum Capacity	52 mm dia. X 1000 m

DECK & AUXILIARY EQUIPMENT

Capstans	2 X S.W.L 5 Tons/each
Tugger Winch	1 X S.W.L 10 Tons
Roller	3.5mX1.45 m dia(S.W.L 150 Tons)
Anchor Windlass	1 X 5 Tons at 12 m/min
Shark Jaw	1 X S.W.L 200 Tons
Tow Pins	2X S.W.L 200 Tons
Deck Crane	15 Tons (S.W.L)

ACCOMMODATION

2 X 1 Man	2 Men
3 x 2 Men	6 Men
8 x 4 Men	32 Men
Total	40 Men

RADIO & NAVIGATION EQUIPMENT

SSB	1 x Furuno
VHF	3 x MCMURDO R1
Radar	2 x (One of them ARPA)
Echo Sounder	1 x JRC
Gyro Compass	1 x Yokogawa Denshikiki
GMDSS	Furuno , A1 + A2 + A3
Magnetic Compass	1 x SAURU
Speed Log	1 x JRC
Auto Pilot	1 x COM NAV 2001
Navtex Receiver	1 x JRC
DGPS Navigation	2 x JRC
AIS	1 x JRC
EPIRB / SART	1 x MCMURDO E3
Joy Stick Control	2 x Palmarine
Weather Faximile	1 x JRC

FIRE FIGHTING EQUIPMENT

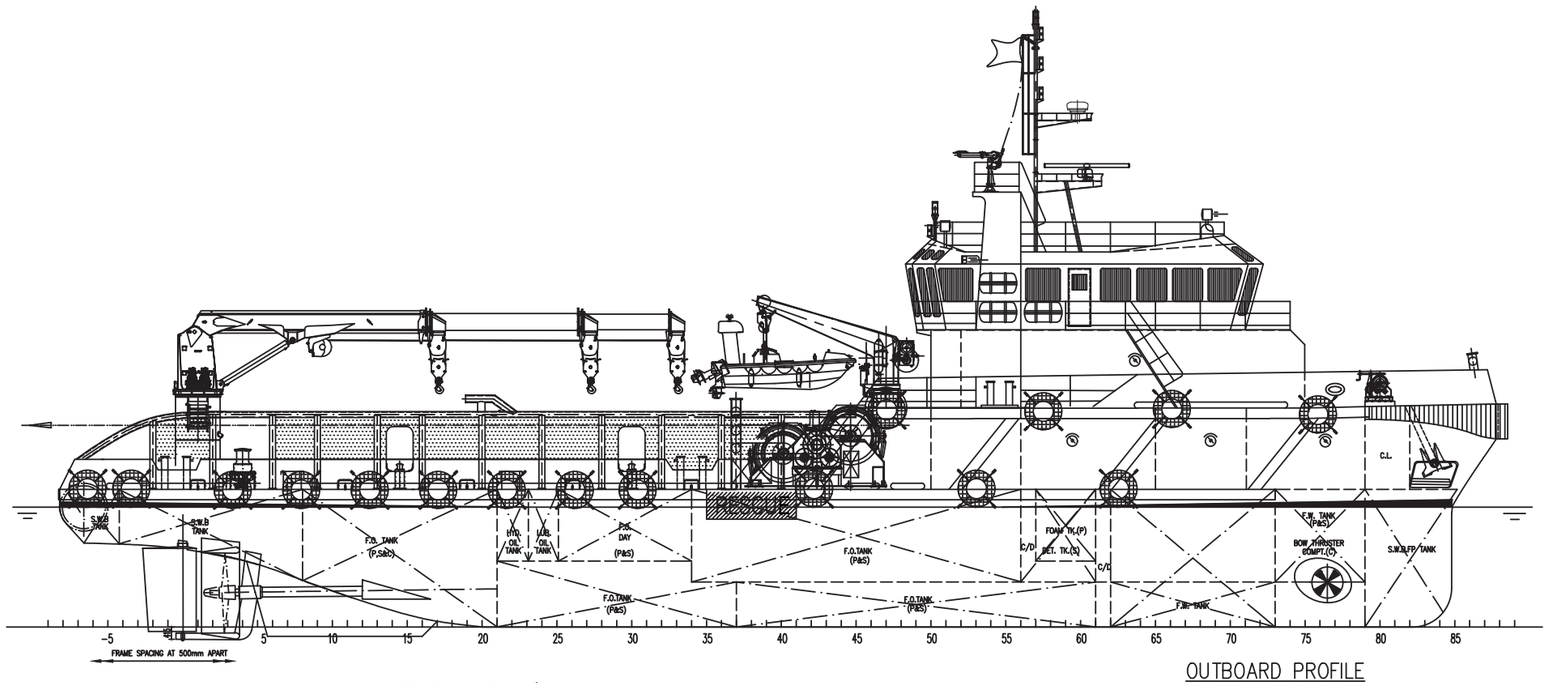
External

Fire Pump	2 X 2905 m^3/hr at 11 bars
Fire Monitors	2 water monitors (One with double barrel for foam discharge)
Fiixed Water Spraying	All round water curtain 35 m^3/hr.

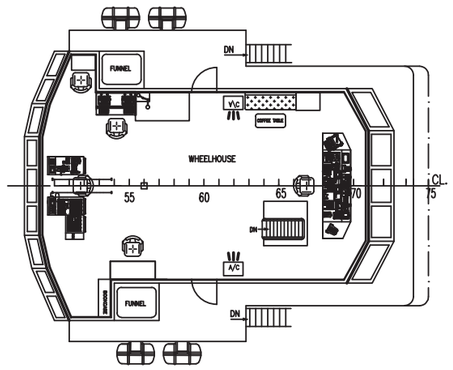
Internal

Co_2 system for E/R	Fixed central bank.
GS & Fire Pump	1 x 50 m^3 /hr at 45 m head.
Emergency Fire Pump	1 X 25 m^3/hr at 45 m head.

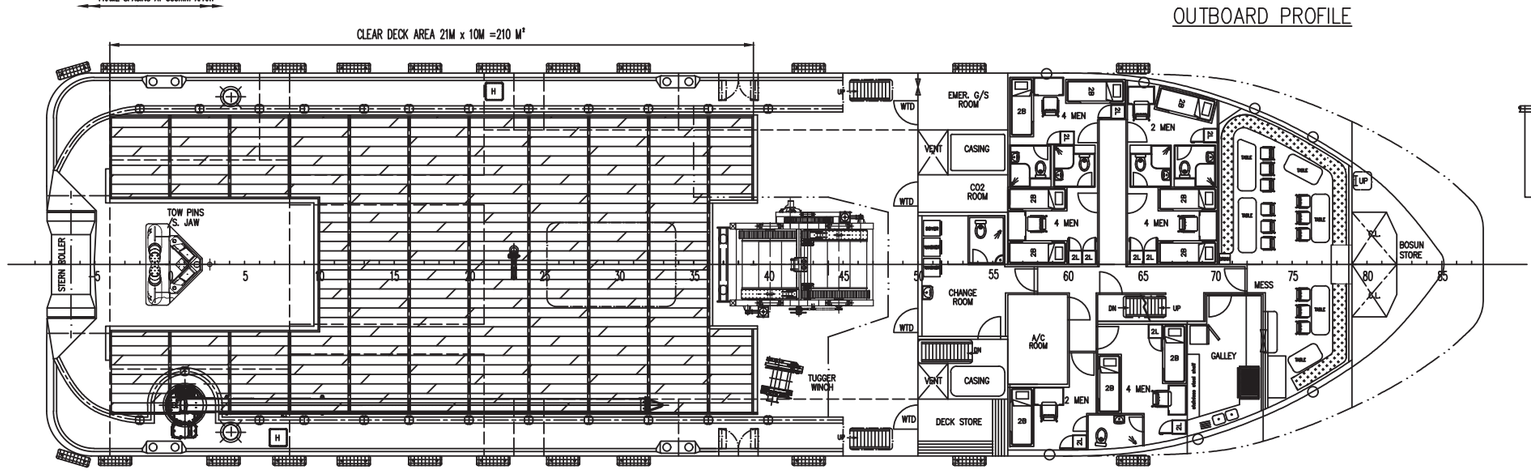




OUTBOARD PROFILE

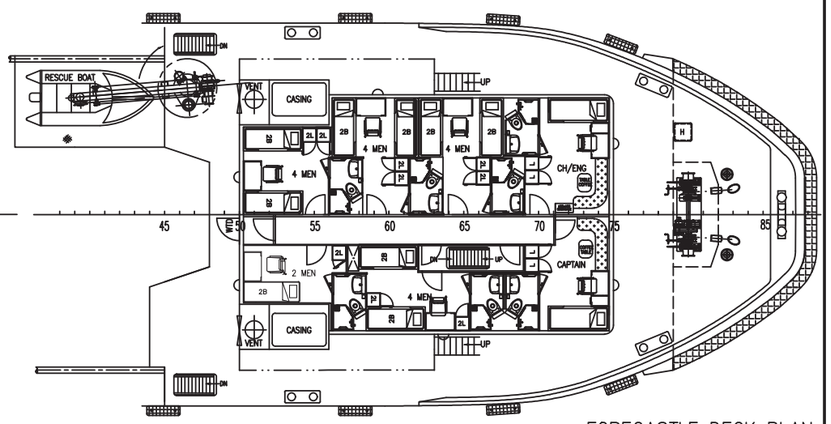


WHEELHOUSE DECK



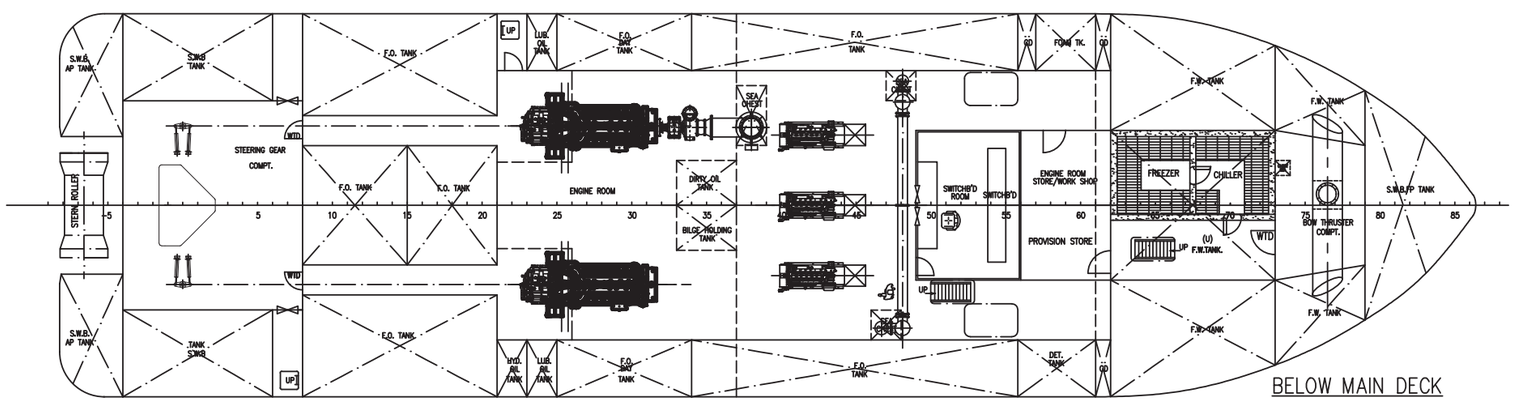
MAIN DECK PLAN

2 x 2 MAN CABIN = 4 MEN
4 x 4 MEN CABIN = 16 MEN
20 MEN



FORECASTLE DECK PLAN

2 x 1 MAN CABIN = 2 MEN
1 x 2 MAN CABIN = 2 MEN
4 x 4 MEN CABIN = 16 MEN
20 MEN



BELOW MAIN DECK

PRINCIPAL DIMENSIONS

LENGTH OVERALL	48.00 M
LENGTH WATERLINE	46.43 M
LENGTH B.P.	42.90 M
BREADTH MOULDED	12.80 M
DEPTH MOULDED	4.60 M
DESIGN DRAFT MOULDED	4.00 M
COMPLEMENT	40 MEN
FUEL OIL (APPRO.)	670 M^3
FRESH WATER (APPRO.)	190 M^3
BALLAST SEA WATER	80 M^3
FOAM TANK	10 M^3
DISPERSANT TANK	16 M^3
AFTER DECK SPACE(APPROX)	210 M^2
TOTAL POWER	2x2100 BHP
TRIAL SPEED	12.0 KNOTS
BOLLARD PULL (AHEAD)	52.0 TONNES
OIL DISPERSANT	BEAMLESS BOW NOZZLE
WATER CURTAIN	ROUND NOZZLE

ESL

VESSEL NAME	M.V. INW-5
OWNER	INTERNATIONAL NAVAL WORKS
TITLE	GENERAL ARRANGEMENT PLAN
SCALE	1 : 100



M/Vs INW-6,7,8
SISTER VESSELS (CREW BOATS)

PRINCIPLE PARTICULARS	
BUILT	2016
G.R.T	73 T
N.T	21 T
Class	B.V
Notation	1*HULL . MACH
	Crew Boat
	Sea area 2
Call Sign	**INW-6** HO7262
	INW-7 HO7528
	INW-8 HO9613
Flag	PANAMA
Hull Material	Aluminium
Super Structure Material	Aluminium
Deck Strength	1 Ton/m²
Clear Deck Area	20 m²
Deck Cargo	15T

DIMENSIONS	
Length Overall	21.3 m
Length B.P	20 m
Breadth Moulded	5.68 m
Depth Moulded	2.55 m
Draft Moulded	1.1 m

PROPULSION SYSTEM	
Main Engines	2 X 1200 BHP, Caterpillar C32
Auxiliary Engines	2X 38 KW, Caterpillar C4.4
Gearboxes	ZF 3050A, 895 kW/2000 rpm
Propellers	2 X Solid Screw Propellers LB5
Anchors	1 X High Holding Anchors with ST. shackle
Maximum Speed	23 Knots.

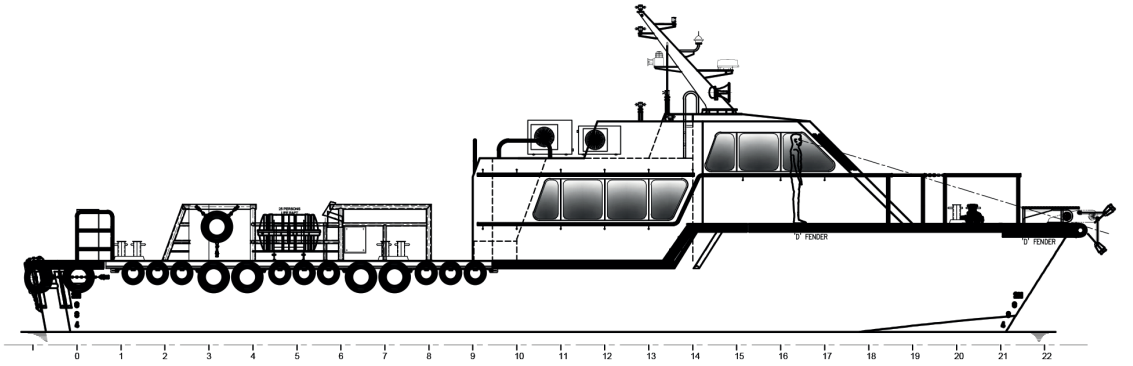
CAPACITY	
Fuel Oil	10000 L
Fresh Water	2000 L

RADIO & NAVIGATION EQUIPMENT	
VHF	1 X SAILOR/6210
Echo Sounder	1 X KODEN, CVS-128
GMDSS VHF	2 X TRON TR20 GMDSS
Magnetic Compass	1 X CASSENS & PLATH/JOTA/2
Intercom Station	1 X PHONTECH/CIS 3130
Radar	1 X Koden KODEN/MDC921
Navtex Receiver	1 X JMA NT-1800
DGPS	1 X KODEN/KGP913D
Search Light	1 X DHR
GPS COMPASS	1 X KODEN KGC-222
AIS	1 X KODEN KAT-100
EPIRB	1 X TRON 60S
SART	1 X TRON SART20
Fire Detection Panel	1 X TYCO
Auto Pilot	1 X ComNav, Commander
Binoculars	1 Set

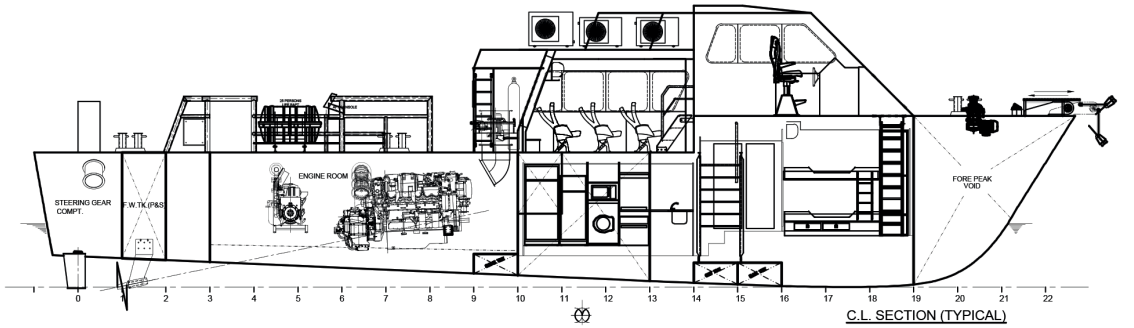
ACCOMMODATION	
Crew	4 Men
Seating Capacity	26 Men
Air Conditioning	Fully air conditioned

LIFE SAVING EQUIPMENT	
Life Buoys	6 Nos.
Life Jackets	26 Persons
Life Rafts	2 X 30 Persons
Fire Man's outfits	2 Nos.

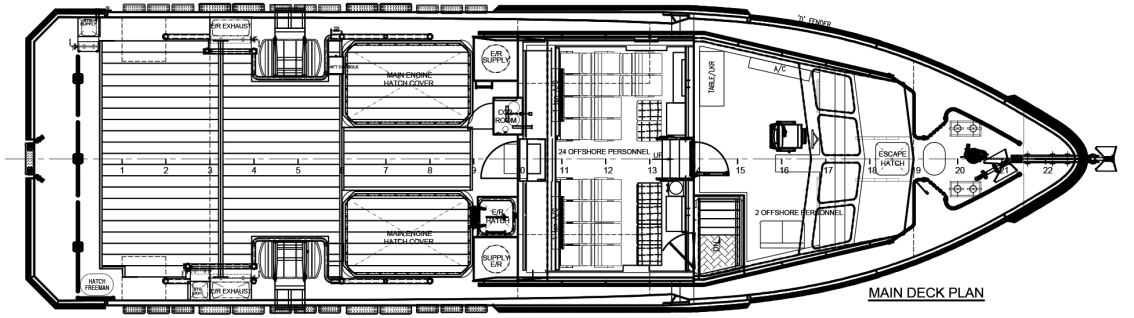
FIRE FIGHTING EQUIPMENT	
Fire Pump	1 X 30 m³/hr
Internal Fire fighting	Fixed gas flooding system in Engine room
	Portable fire extinguishers According to class
Gas Detection	Permanent fixed Smoke & Heat detectors
Portable Emergency Fire Pump	"H2S Gas detectors 1 X 36 m³/hr"



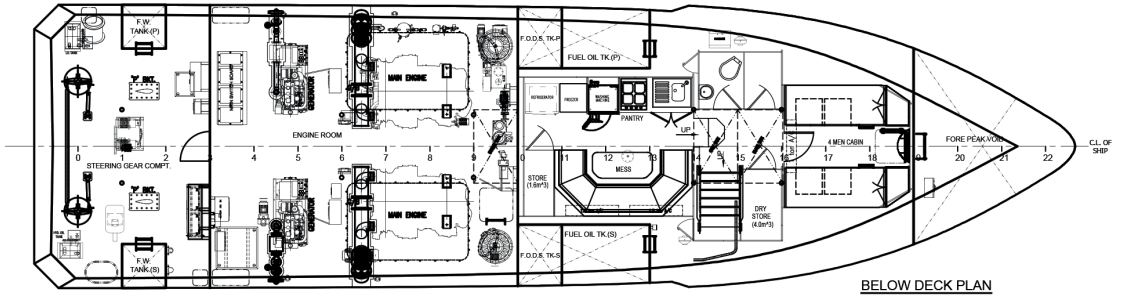
PROFILE



C.L. SECTION (TYPICAL)



MAIN DECK PLAN



BELOW DECK PLAN

MAIN PARTICULARS

LENGTH OVERALL	:	21.3 M.(70 ft)
BREADTH	:	5.80 M.
DEPTH	:	2.750 M.
DRAFT, HULL	:	1.3 M.
HULL	:	ALUMINUM
CREW	:	4
SEATING CAPACITY	:	26
MAIN ENGINES	:	2 x CAT -C32 ACERT
		1200 BHP (894kw) @ 2000 RPM
GENERATORS	:	2 CAT 4.4 x 38 eKW, 380V, 50Hz, 3 PH.
DECK CARGO	:	15 TONNES
CAPACITIES:		
FUEL OIL	:	10,000 LITRES (Approx)
FRESH WATER	:	2000 LITRES (Approx)
CLASS NOTATION	:	I ⍋ HULL ✦MACH
	:	CREW BOAT
	:	SEA AREA 2
DWT	:	25 T (APPROX)
SPEED	:	21 KNOTS

Note : THIS DRAWING IS ALSO APPLICABLE FOR HULL NO. H 149/15, JOB NO. J-368 AA & HULL NO. H150/15, JOB NO. J-369 AA.

REV.	DESCRIPTIONS	DATE	DRN.	CHKD.	APPD.	ISSUE
1	REVISED AS PER CLASS COMMENT	20/11/24	JEFFIN	VINOD	MUB	IFA
1	SEATING CAPACITY INCREASED	01/11/24	JEFFIN	VINOD	MUB	IFA
1	AS FITTED INFORMATION INCORPORATED	21/04/16	SHAJU	JAYAN	SURAJ	IFP
1	owner's comments incorporated:- a. cargo rail and vent box modified. b. life raft shifted to aft main deck. c. fwd bollard & handrail modified. d. fender arrangement modified. e. Aft console added.	19/04/16	SHAJU	JAYAN	SURAJ	IFA
1	F.O.D.S TANK ADDED	02/11/15	CMM	JAYAN	SURAJ	IFA
1	DRAWING UPDATED AS CLIENT COMMENTS	20/09/15	CMM	JAYAN	SURAJ	IFA
1	DRAWING UPDATED AS CLIENT COMMENTS	20/09/15	CMM	JAYAN	SURAJ	IFA
1	DRAWING UPDATED AS PER DESIGN PROGRESS.	14/09/15	SIVAJI	JAYAN	SURAJ	IFA
1	MODIFIED GENERATOR RATING	05/08/15	NISHAD	NADEEM	SURAJ	IFA
1		11/05/15	NISHAD	NADEEM	SURAJ	IFA

DESIGN CLASS : BV GRANDWELD

INTERNATIONAL NAVAL WORKS

PROJECT: 21.3 M ALUM.CREW.BOAT

SHEET CONTENTS: GENERAL ARRANGEMENT

JOB NO. : J-367 AA / H-149/15

DRAWN BY	: CHIRAG	DATE	: 11/05/2015	DWG. NO. :- H148-101-001	REVISION:- R6
CHECKED BY	: JAYAN	SCALE	: 1:50		
APPROVED BY	: SB	FORMAT	: A1	SHEET 1 OF 1	

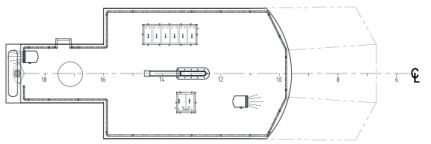
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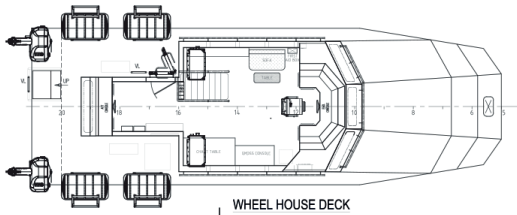
M/Vs INW- 9,11

SISTER VESSELS (CREW BOATS)

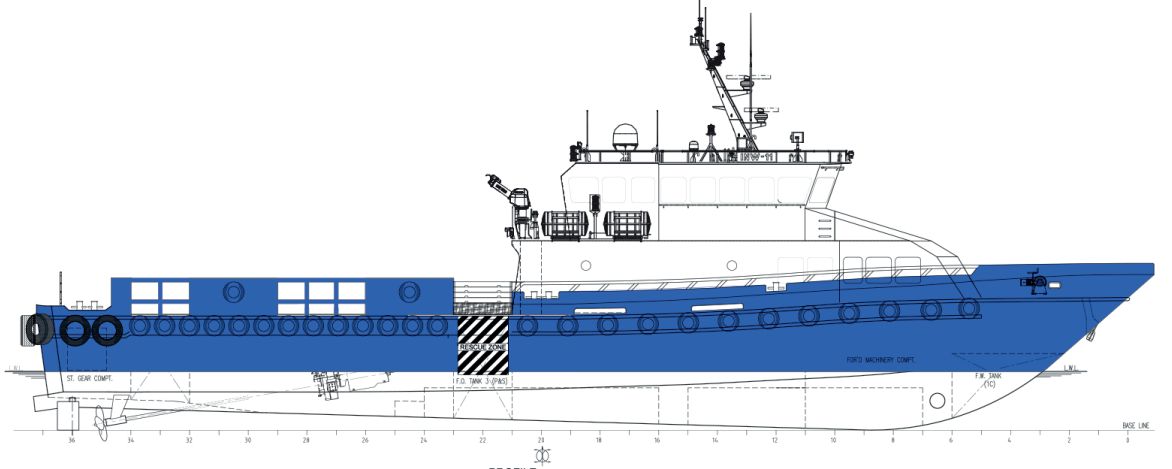
PRINCIPALE PARTICULARS		RADIO & NAVIGATION EQUIPMENT	
BUILT	2022	VHF / DSC – Encoder – Receiver	3 x SAILOR-7222
G.R.T	178 T	MF / HF Radio Telephony / RTF -	INW-9: 1 x SAILOR-6310
N.T	53 T	DSC	INW-11: 1 x JRC - JSS - 2150
Class	BV	NAVTEX	1 x JMC – NT – 1800
Notation	I * HULL. MACH	AIS	1 x SAMYUNG - CLASS A - AIS SI - 70 A
	Crew Boat	Portable two-way Transceivers	3 x JORTON - TRON TR30 GMDSS
	Sea Area 3, In Water Survey	GPS	1 x SIMRAD - P3007
Call Sign	INW-9: HOA5349	FBB	1 x SAILOR - FB - 150
	INW-11: HOA5350	EPIRB	1 x JORTON - TRON 60AIS
IMO No.	INW-9: 9964560	RADAR 1	1 x KODEN - MDC - 2040
	INW-11: 9964572	RADAR 2	1 x KODEN - MDC - 5240
Flag	Panama	SART	1 x JORTON - TRON SART 20
Hull Material	Aluminium	CHART PLOTTER	1 x GARMIN Model 1222
Super Structure Material	Aluminium	MAGNETIC COMPASS	1 x RIVIERA Model B6/W1
Deck Strength	2 tons/m^2	GYRO COMPASS	1 x YOKOGAWA Model CMZ 900B
Clear Deck Area	70 m^2	AUTOPILOT	1 x NAVITRON Model NT-888G
Deck Cargo	18 Tons	RUDDER ANGLE INDICATOR	NAVITRON Model NT-920RI
DIMENSIONS		ECHOSOUNDER	1 x KODEN Model CVS 126
Length Overall	34.3m	ANEMOMETER	1 x OBSERVATOR Model OMC-115
Length B.P	29.79m	BNWAS	1 x NAVITRON Model NT-991
Breadth Moulded	6.7m	LOUDHAILER	1 x HORIZON Model VLH-3000
Depth	3.5m	BATTERY LESS TELEPHONE	1 x ZENITEL Model VSP
Draft	1.8m	TALKBACK SYSTEM	1 x JOTRON Model CIS-3100
MACHINERY		Search Lights	2 x FRANCIS
Main Engines	3 x Baudouin 12M62.3 1501 HP at 2200 rpm	SOUND SIGNALLING DEVICE	1 x ZOLLNER Model ZETFON 400/310
Auxiliary Engines	2 x Baudouin 4W105S 84 KW 415V/50Hz/3Ph	CCTV	1 x VANTAGE
Gear Boxes	3 x ZF 3050 Reverse Reduction Gearbox	**LIFE SAVING EQUIPMENT**	
Bow Thruster	1 x Hydraulic Bow Thruster, rated 100 HP	Life Buoys	8 Nos.
Propellers	3 X Fixed Pitch Propeller (F.P.P) 5 BLADES, DIA: 1100 mm	Life Jackets	82 Nos.
		Life Rafts	2 x 30 Persons / 2 x 25 Persons
Maximum Speed	25 Knots	Fire Man's outfits	2 Nos.
CAPACITY		**FIREFIGHTING EQUIPMENT**	
Fuel Oil	49 m^3	**External**	
Fresh Water	20 m^3	Fire Pump	1 x FFS Pump 800 m^3/Hr coupled to the Center ME
DISCHARGE RATE		Fire Monitors	2 x Monitors
Fuel Oil	20 m^3 / hr. at 20 m head.	**Internal**	
Fresh Water	2 x 3 m^3 / hr. at 30 m head.	Co_2 system for E/R	Fixed central
DECK MACHINERY		GS & Fire Pump	1 x 33 m^3 /hr. at 30 m head
Windlass	1 x ROMAGNOLI Electric model W10-14EP1T2.2-3	Emergency Fire Pump	1 X 25 m^3/hr. at 20 m head
Anchors	1 x High Holding Power Fully Balanced Anchor of 105 KG/each	**ALARM SYSTEMS**	
		Gas Detection System	1 x HANWEI
ACCOMMODATION		Fire Detection System	1 x CONSILIUM
Crew	10 Men	**AUXILIARIES**	
Seating Capacity	31 Passenger	STP	TECNICOMAR Model Ecomar 20 SX PP
Total	41 Men	OWS	RWO Model OWS-COM 0.5 (15 PPM)
Air Conditioning	Fully air conditioned	FO Purifier	GEA WESTFALIA Model OTC-2-02-137



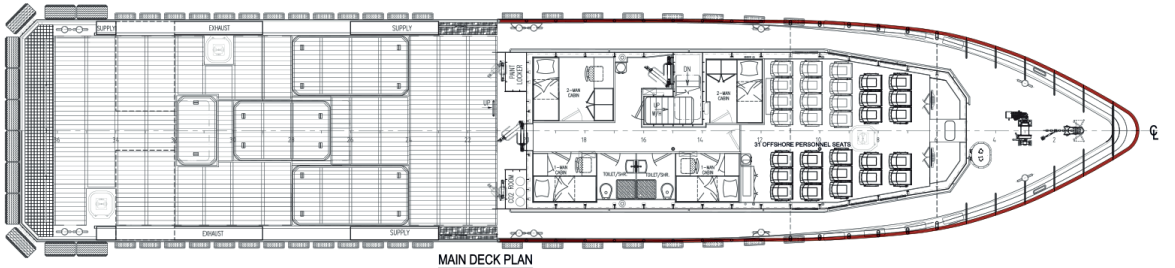
WHEEL HOUSE TOP



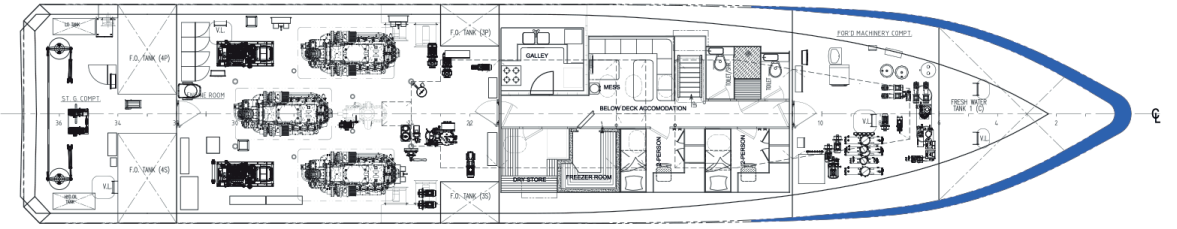
WHEEL HOUSE DECK



PROFILE



MAIN DECK PLAN



UNDER DECK PLAN

MAIN PARTICULARS

LENGTH OVERALL	34.30 M.
BREADTH	6.70 M.
DEPTH	3.50 M.
DRAFT	1.8 M
HULL	ALUMINUM
SPEED (MAX)	20 KNOTS @ CSR
DECK AREA	70 SQ.M
OFFSHORE PERSONNEL CAPACITY	31 PERSONS SEATING CAPACITY
CREW	10 Nos.
DECK LOADING	2 T/SQ.M
MAIN ENGINES	3 x 1500 BHP
PROPULSION	3 x FIXED PITCH PROPELLERS
GEAR BOX	3 x GEAR BOX
GENERATORS	2 x MARINE GEN SET RATED 84 eKW 415V 50HZ 3PH
FRESH WATER TANKS	20.00 m³
FUEL OIL TANKS	48.00 m³

ASFITTED

REV.	DESCRIPTIONS	DATE	DRN.	RVWD.	APPD.	ISSUE
1	ASFITTED INFORMATION INCORPORATED	19.09.22	AE	GA	SB	IFA
0	COPIED FROM TENDER GA 211/20 R1	27/01/22	AE	GA	SB	IFA

DESIGN : GRANDWELD
CLASS : BV
JOB NO. : J019 AH
HULL NO. : H 188/22

INTERNATIONAL NAVAL WORKS

PROJECT:
INW-11
(34.3M ALUM. CREW BOAT)

SHEET CONTENTS:
GENERAL ARRANGEMENT PLAN

DRAWN : NK	CHECKED : NADEEM	DATE : 27/01/22	DWG. NO. :- H188-101-001	REVISION:- 1
REVIEWED : GUL		SCALE : 1:75		
APPROVED : SURAJ		FORMAT : A1	SHEET : 1 OF 1	

CLIENT :
INTERNATIONAL NAVAL WORKS

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GA PLAN M/Vs INW - 9, 11



M/V INW-10

(DP-2., FIFI-1, AHTS , OIL RECOVERY, R.O.V)

PRINCIPLE PARTICULARS

BUILT	2015
G.R.T	2410 T
N.T	710 T
Class	ABS
Notation	ABS+ A1 (E) Offshore Support Vessel (supply, AH, Tow, FFV1, OSR-C2, DPS-2,SPS,UWILD, MLC-ACC0M, +AMS for unrestricted service)
IMO NO.	9750787
Call Sign	HP 2787
Flag	PANAMA

DIMENSIONS

Length Overall	66.5 m
Length B.P	55.5 m
Breadth Moulded	16.0 m
Depth Moulded	6.5 m
Draft Moulded	5.12 m

MACHINERY

Main Engines	2 X 3200 BHP / Yanmar 8EY26W
Auxiliary Engines	3 X 450 kw , Caterpillar C18
Emergency Generator	1 X 142 KW, Caterpillar C9
Shaft Generator	2 X1200 KW
Bow Thruster	2 X 880 BHP, Electric Driven
Stern Thruster	1 X 700 BHP, Electric Driven
Propellers	2 X Controllable Pitch Propellers
Rudders	High Lift Flap Rudders
Anchors	2 X Stockless High Holding Anchors with 330 m, 38 mm Stud Link Chain
Maximum Speed	13.00 Knots.

CAPACITY

Deck Strength	7 Tons/m^2
Clear Deck Area	435 m^2
Deck Cargo	500T
Fuel Oil	590 m^3
Fresh Water	390 m^3
D.W/S.W.B	650 m^3
MUD	350 m^3
DRY BULK	200 m^3
Brine	410 m^3
ORO	430 m^3
Chiller	16 m^3
Freezer	16 m^3

DISSCHARGE RATE

Fuel Oil cargo Pump	1 x 150 m^3/hr at 75 m Head
Fresh Water Cargo Pump	1 x 125 m^3/hr at 75 m Head
Bilge / Ballast Pump	2 x 100 m^3/hr at 70 m Head
Mud / Brine / ORO	2 x 75 m^3/hr at 75 m Head
Mud Circulation	4 x 25 m^3/hr at 40 m Head
DRY Bulk	2 x 20 m^3/hr at 57 m Head

TOWING/ ANCHOR HANDLING EQUIPMENT

Bollard Pull	80 MT
Towing/ Anchor Handling	1 X 1200 m X54mm, Brake hold 250 Tons.
Towing Winch	Hydraulic,Double drum, Waterfall
Upper Drum Capacity	54 mm X 1200 m
Lowe Drum Capacity	54 mm X 1200 m

DECK & AUXILIARY EQUIPMENT

Capstans	2 X S.W.L10 Tons/each
Tugger Winch	2 X S.W.L10 Tons/each, Static pull 15T, 1st layer 10T
Stern Roller	5 m X 1.7 m dia X 250 Tons SWL.
Anchor Windlass Winch	1 X 10 Tons at 12 m/min
Shark Jaw	1 X S.W.L 250 Tons
Tow Pins	2X S.W.L 250 Tons
Shipboard Crane	1X5T @ 15M Telescopic Boom

ACCOMMODATION	
8 x 1 Men	8 Men
9 x 2 Men	18 Men
6 x 4 Men	24 Men
Total	50 Men

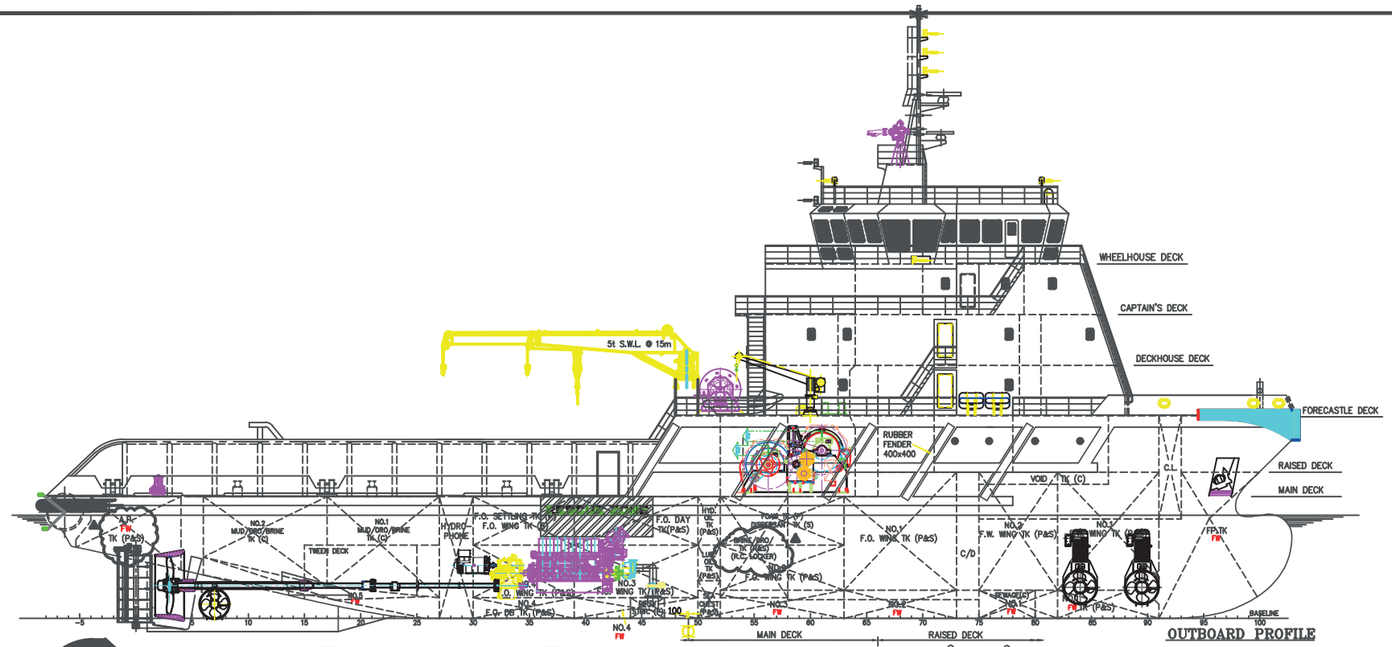
DP-2 SYSTEM (Kongsberg K-Pos DP-21)

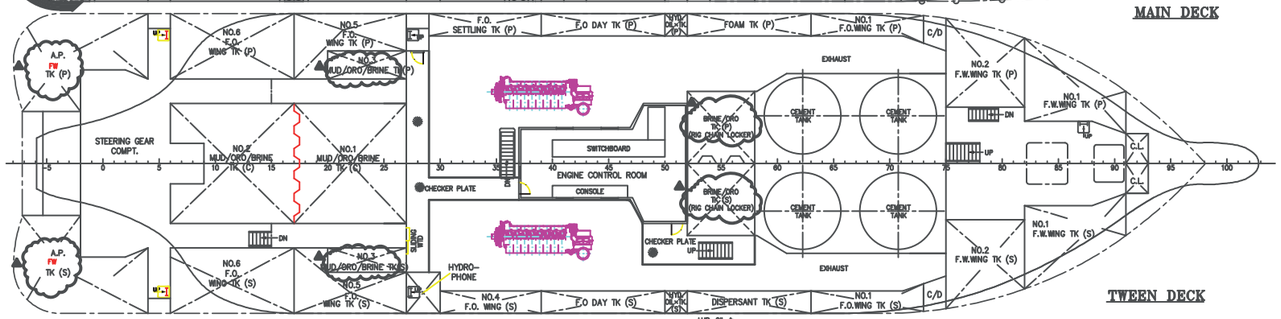
2 X DGPS
1 X RADIUS
1 X HIPAP (Hydro Acoustic Reference System For Diving & ROV Activities)
1 X C-Wing
1 X Independent Joy Stick

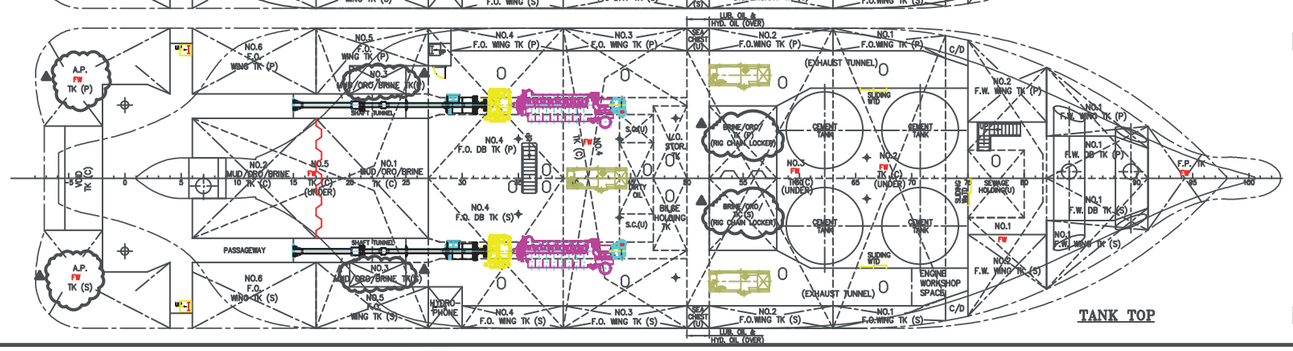
RADIO & NAVIGATION EQUIPMENT	
VHF	2 X FURUNO - FM-8900S
Portable VHFs	3 X JOTRON - TRON TR20
Echo Sounder	1 X FURUNO FE 700
Gyro Compass	3 X NAVIGAT X (MK 1, MOD. 10)
GMDSS	FURUNO A1, A2 & A3
Magnetic Compass	1 X SPERRY (C. PLATH)
Speed log	1 X FURUNO DS-80
Radar	2 X FURUNO ARPA FAR-2117
Navtex Receiver	1 X FURUNO NX-700A
DGPS Navigator	1 X FURUNO GP-150
AIS	1 X JOTRON TRON AIS TR-8000
EPIRB	1 X JOTRON TRON 40S MKII
SART	2 X JOTRON TRON SART20
Weather Facsimile	1 X FURUNO FAX-408
BNWAS	1 X FURUNO - BR-500
Auto Pilot	1 X SPERRY (C. PLATH) NAVIPILOT 4000
VDR	Netwave NW-6000
ECDIS	Kelvin Hughes UK Manta Digital 22

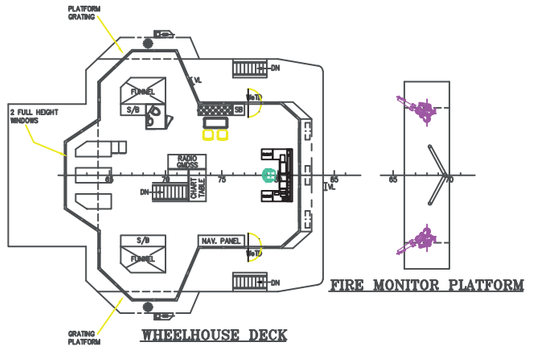
FIRE FIGHTING EQUIPMENT

External	
Fire Pump	2 X 1780 m3/hr
Fire Monitors	2 X Water/Foam, 1200/300 m3/hr
Fire Monitors Spraying	All Round Water Curtain 1360 m3/hr
Internal	
CO_2 system for E/R	24 X 45 Kg Bottles
GS & Fire Pump	1X 80 m3/hr at 60 m Head
Emergency Fire Pump	1X 45 m3/hr at 60 m Head

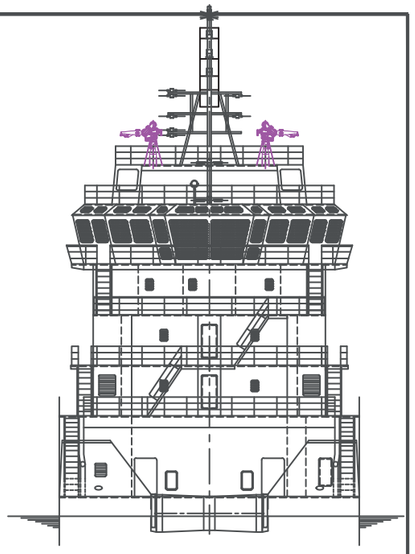




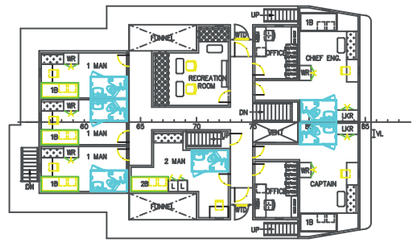




FIRE MONITOR PLATFORM



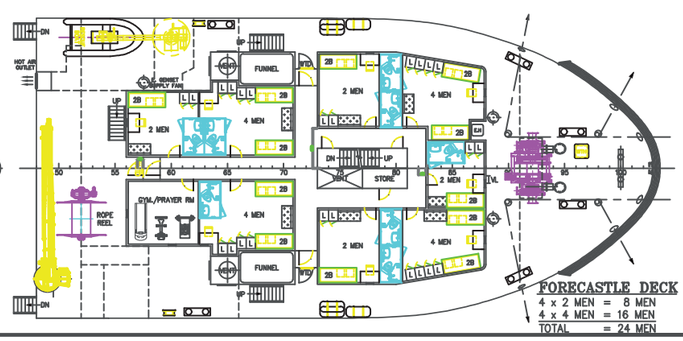
AFT VIEW



CAPTAIN'S DECK
5 x 1 MAN = 5 MEN
1 x 2 MEN = 2 MEN
TOTAL = 7 MEN



DECKHOUSE DECK
3 x 1 MAN = 3 MAN
4 x 2 MEN = 8 MEN
2 x 4 MEN = 8 MEN
TOTAL = 19 MEN



FORECASTLE DECK
4 x 2 MEN = 8 MEN
4 x 4 MEN = 16 MEN
TOTAL = 24 MEN

PRINCIPAL PARTICULARS

LENGTH O.A	66.50m
LENGTH W.L	63.00m
BEAM MLD.	16.00m
DEPTH MLD.	6.50m
DRAFT SCANTLING	5.50m
DRAFT DESIGN	5.00m
COMPLEMENT	50 MEN
FRESH WATER	370m³
D.W/S.W.B.	650m³
FUEL OIL	590m³
DRY BULK	200m³
MUD	350m³
BRINE	410m³
ORO	430m³

NAME	M.V. INW-10
OWNER	INTERNATIONAL NAVAL WORKS
SHIP	66.5m A.H./OFFSHORE SUPPORT VESSEL
TITLE	GENERAL ARRANGEMENT PLAN
SCALE	1:100



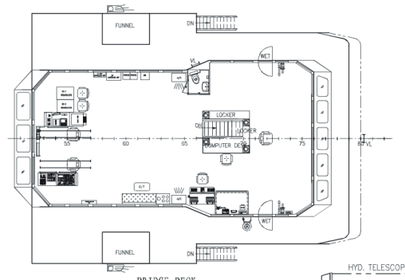
M/V INW - 30

(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

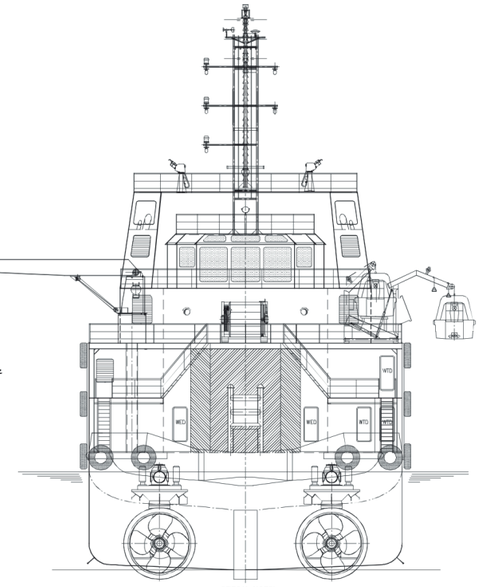
DECK & AUXILIARY EQUIPMENT	
Capstans	2 x S.W.L 5 Tons/each
Tugger Winch	2 x S.W.L 10 Tons/each, Static pull 15 T, 1st Layer 10 T
Stern Roller	4.8m x 1.5m dia x 300 Tons S.W.L
Anchor Windlass Winch	1 x 10 Tons at 12m/min.
Shark Jaw	1 x S.W.L 250 Tons
Tow Pins	1 x S.W.L 250 Tons
Shipboard Crane	1 x 5T @ 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

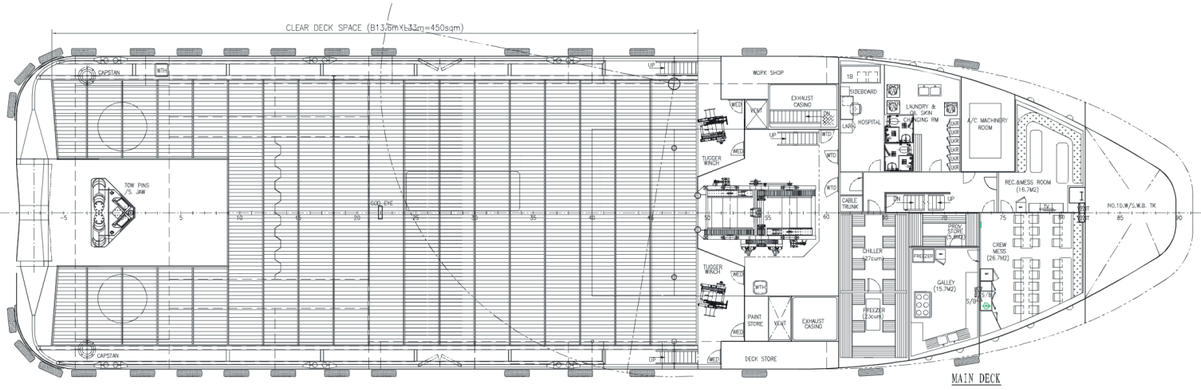
PROFILE



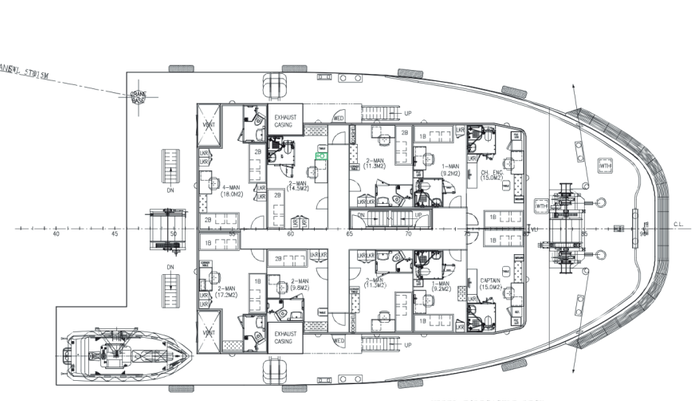
STERN VIEW

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

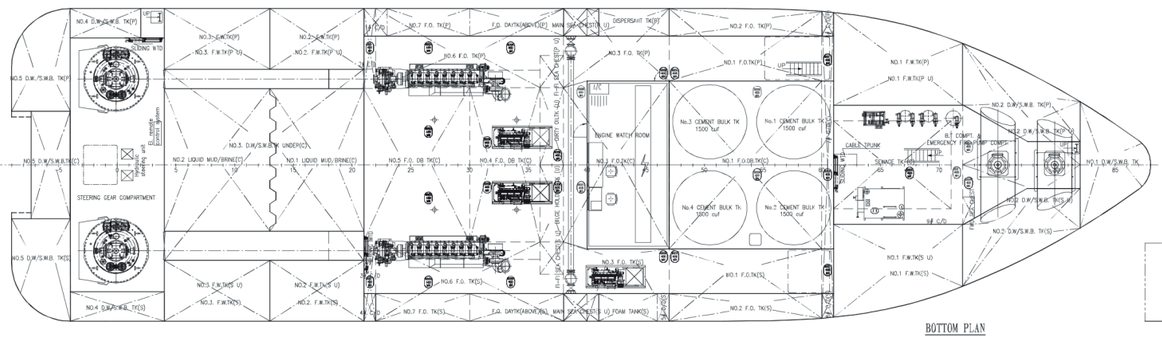


MAIN DECK

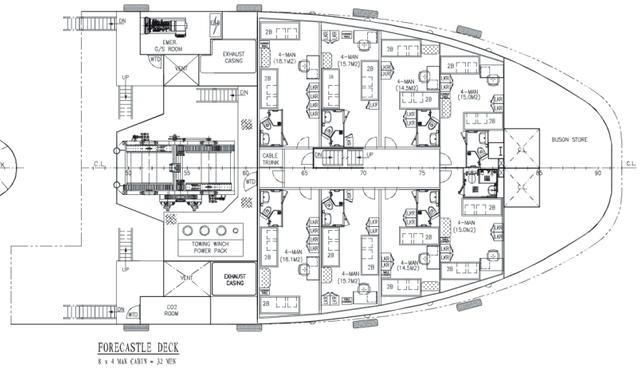


UPPER FORECASTLE DECK

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

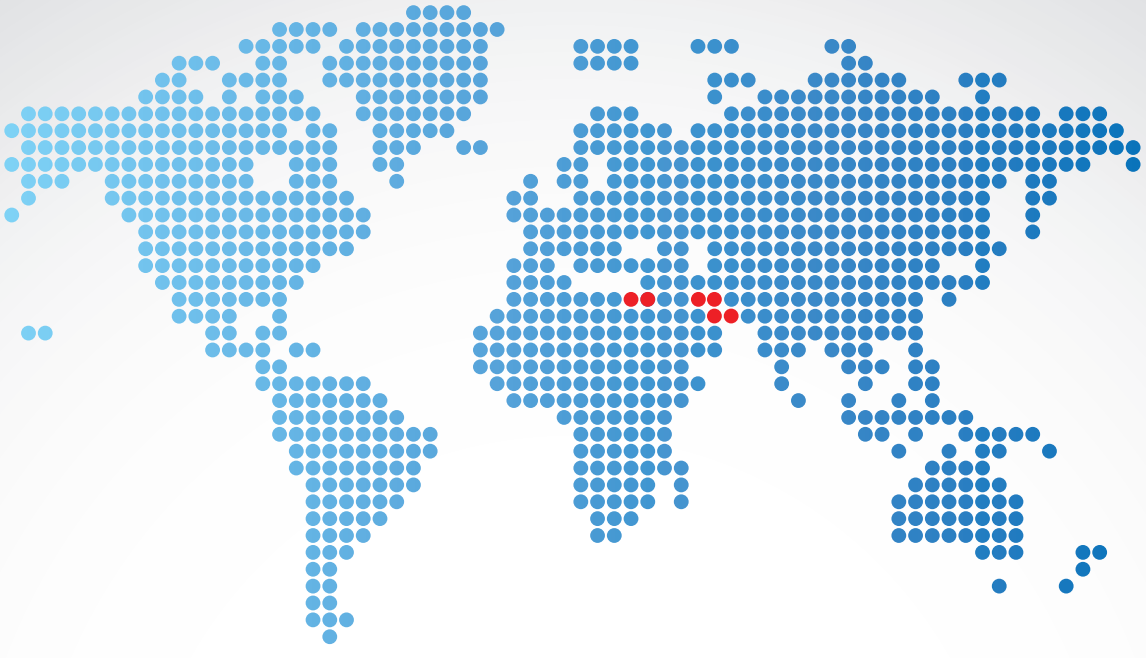
OWNER: INTERNATIONAL NAVAL WORKS

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



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