WE ARE GSP

GSP PEGASUS

Multipurpose Support, Field Supply Vessel and Pipe Carrier

CLASSIFICATION

✠HULL ✠MACH
Offshore support vessel -heavycargo
(main deck fr.19-fr.63, 5 ton/m2; main deck aft to fr.19 and fr.63 -fr. 94, 7 ton/m2)
Unrestricted navigation
✠AUT-UMS ,✠DYNAPOS AM/AT R , SDS

Build Location: Flag	Yantai Raffles
State Authority:	Panama
Classification Society:	Bureau Veritas
Delivered:	September 2005
Callsign:	3FTE8
MMSI:	373909000
IMO Number	9329916

DIMENSIONS

Length Overall:	93.45m
Length Between Perpendiculars	81.50m
Breadth Moulded:	22.00m
DWT Draft:	6.52m
Deadweight:	4,337t @6.52m
Gross Tonnage:	5,448t
Net Tonnage:	2,069t

VESSEL CAPABILITIES

Deck Cargo

Deck Cargo Area:	1075m^2

Bulk Cargo Capacities

(85% of Total Capacities)

Ballast:	2510m^3
Fuel Oil:	1165m^3
Pot Water:	1049m^3
Mud:	450m^3
Brine / Base Oil:	224/197m^3
Dry Bulk:	335m^3
Methanol:	190m^3
MEG/TEG:	19m^3

Cargo Pump Capacities

Ballast	150m^3/h
Fuel Oil:	200m^3/h
Pot Water:	200m^3/h
Mud:	75m^3/h
Brine / Base Oil:	100m^3/h
Methanol:	75m^3/h
Monoethylene Glycol:	75m^3/h

PROPULSION AND POWER

Fuel:	MGO
Main Engines:	2 x MAK 8M25, 2320kW / 720rpm 2 x MAK 6M25, 1800kW / 720rpm
Emergency Generator:	1 x 328kW / 1800rpm
Main Propulsion:	2 x Azimuthing Contra-Rotating Propellers
Bow Thrusters:	2 x Tunnel Thrusters, 1 x Azimuth
Service Speed:	13 Knots @ 140RPM
Fuel Consumption:	10m^3/day

STATION KEEPING

DP System:	(DP and joystick)
Position References:	Converteam DP
Converteam IJS	2 x DGPS / DGNSS; Radascan (Radar)Cyscan (Optical) 3 x Anemometers 3 x Motion Reference Sensor

BRIDGE EQUIPMENT

('Furuno' Integrated Bridge)

Radar:	1x`Furuno` S-BAND RADAR 1x`Furuno` X-BAND RADAR
Magnetic Compass:	2 x Lilley & Gillie MK2000
Gyro Compass:	3 x Simrad GC85
Echo Sounder:	1 x Skipper GDS101 'Furuno'
Communications:	GMDSS

ACCOMODATION

Cabins:	10 single cabins 18 double cabins
Social Rooms:	Dining Room TV Room Duty Mess Gymnasium Smoking Room

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Specifications

The vessel is designed to fulfil the following duties:

- Supply and transport of equipment between offshore platforms and installations (such as brine, cargo containers, cement, drill water, fresh water, fuel oil, liquid mud, methanol, pipes etc)

CONTROL AND NAUTICAL EQUIPMENT

DP system	DP II
Thr. control	R-R
AIS	1 of
<u>Radar Equipment</u>	
1 of	3 GHz ARPA
1 of	9 GHz ARPA
<u>Chart System:</u>	
Telechart Ecdis	1 of
<u>Compass System:</u>	
Gyrocompass	3 of
Magnetic compass	1 of
Autopilot	1 of
Nav. echosounder	1 of
Speed log	1 of
Radio Plant: Acc. to class	
VHF/DSC	1 of
VHF	1 of
Inmarsat C	1 of
Iridium	1 of
Automatic ident. system	1 of
Beacon equipm. acc to class	

DECK EQUIPMENT

Cranes:	2 x Knuckle Boom (SWL 3t x 12m)
Anchors:	2 x 4.13t SPEK Anchors
Mooring Winch:	2 x Rope/Wire Winches
Mooring Capstan:	2 x Capstan Aft
Tugger Winches:	2x10t

ANTI-ROLLING SYSTEM

A passive flume anti-roll system
2 of roll reduction tank

LIFE SAVING EQUIPMENT

Liferafts: 6 for 150 pers.
Survival suits: 70
2 Fast Rescue Boats
SOLAS for 50 pers.

CARGO-TANK CAPACITIES/PUMPS

Diesel fuel (ship)	440m^3
Fuel oil (cargo)	1,100m^3
Potable water (ship)	220m^3
Potable water (cargo)	1,000m^3
Water ballast	2,900m^3
Liquid muds/brines	1000m^3
Special products	220m^3
Meg	50m^3
Teg	50m^3
Base oil (in cargo fuel tanks)	200m^3
Dry bulks	392m^3
Slop tanks	20m^3

PUMPING CAPACITIES

Fuel	200m3/hr
Pot water	200m3/hr
Brine	100m3/hr
Mud	75m3/hr
Methanol	75m3/hr

TANK CLEANING SYSTEM

A total of 6 cleaning machines fixed in 6 mud tanks/brine tanks and 1 slop tank

FLOW METERS

Flow meter for fuel oil with printer.

FAST RESCUE BOAT

2 of Springer MP 741

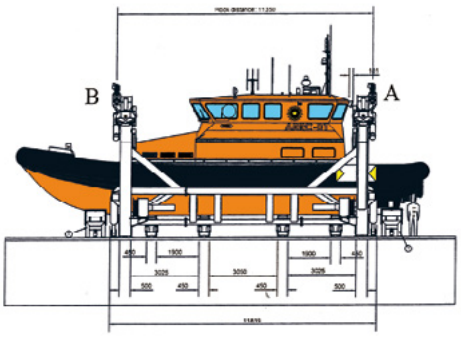
LOADING COMPUTER

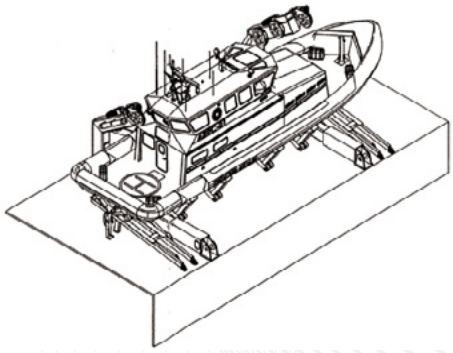
Kockums Sonics Loadmaster

CONSUMPTION

Economic transit, app.	10t/day
DP operations	2–4t/day
Port, approx.	2t/day

ARRC (Optional)





SPECIALIST EQUIPMENT

(Optional) 2 of Delta ARRC rescue craft crew of 6 with autonomy of 200 Nm, capacity for 21 survivors
(Optional) 2 of HNT-32000 Vestdavit duel winch c/w independent self-tensioning and automatic self-levelling systems

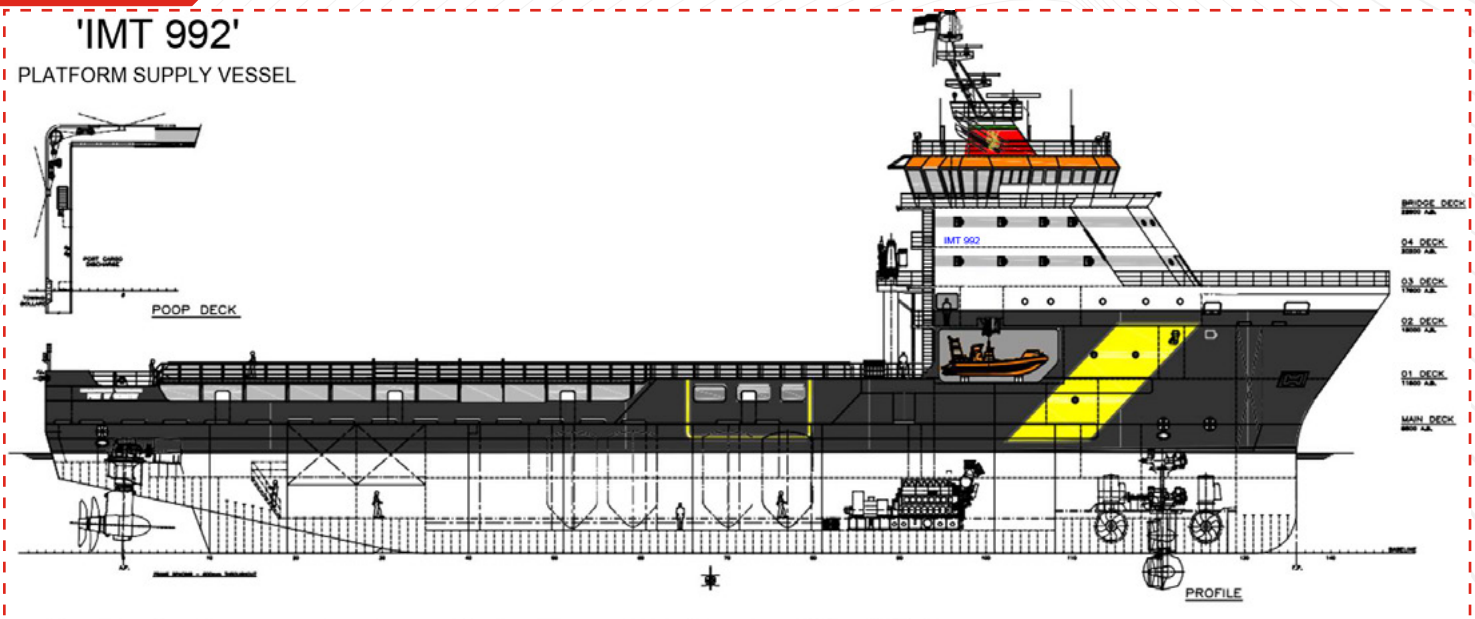
HOSPITAL

1 hospital (+ 1 onboard each ARRC) stocked to ERRV, Category 'B', and ARRC scales

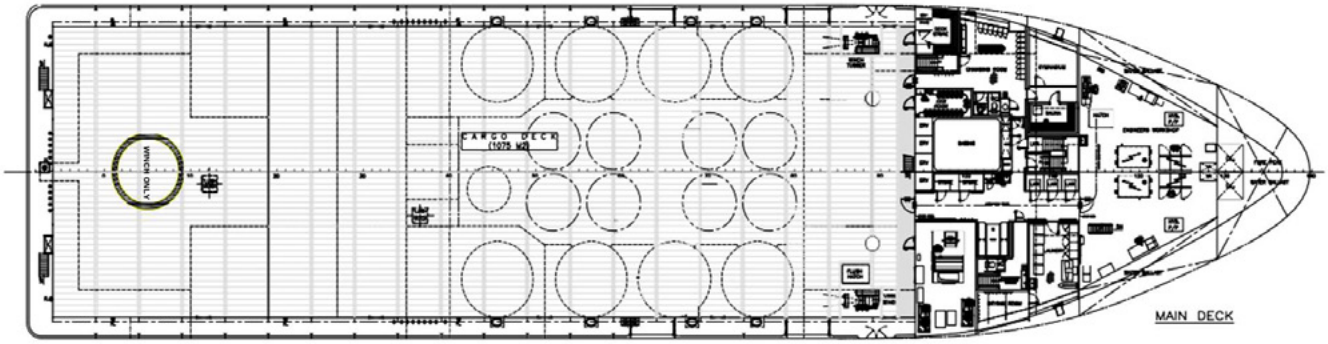
Profile and decks

'IMT 992'

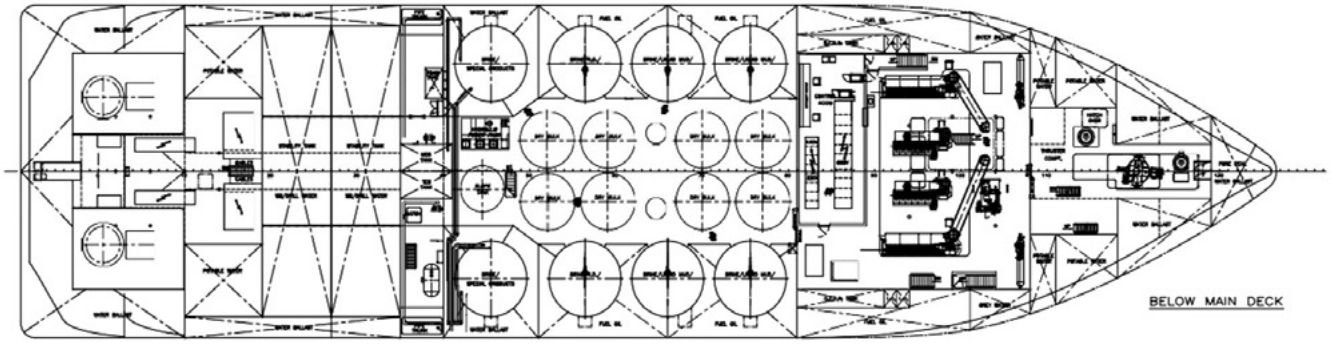
PLATFORM SUPPLY VESSEL



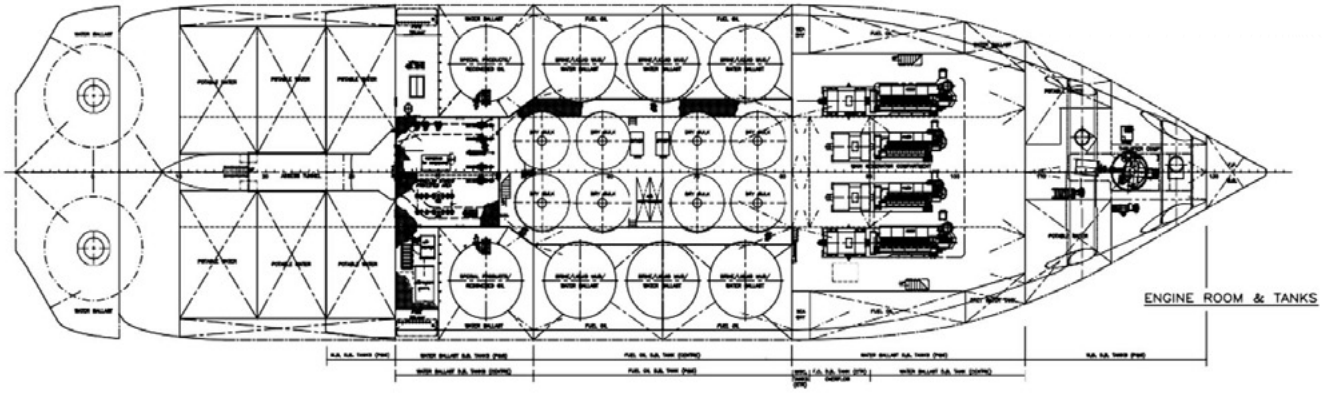
PROFILE



MAIN DECK

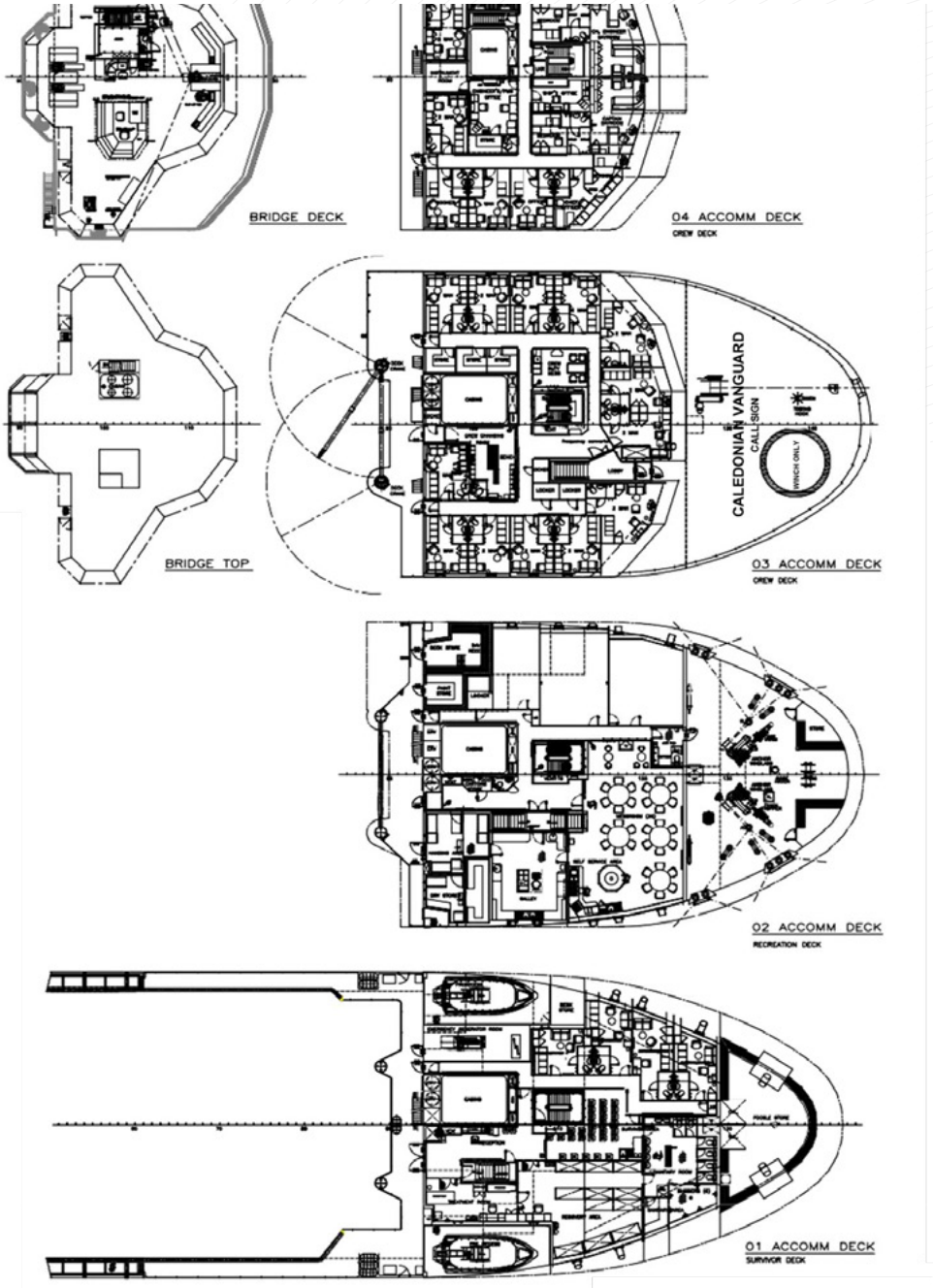


BELOW MAIN DECK



ENGINE ROOM & TANKS

Profile and decks



Corporate Headquarters
Address: Constanta Port, Berth 34, 900900, Constanta, Romania
Tel.: + 40 241 555 255, + 40 241 555 256
Fax.: + 40 241 555 257
E-mail: office@gspoffshore.com