

DP2 Subsea Maintenance Vessel Fifi 1

MAIN PARTICULARS

Flag	: Malaysia
Year Built	: 2018
Length Overall	: 85.00 M
Length BP	: 77.750 M
Breath Moulded	: 22.00 M
Depth Moulded	: 8.00 M
Draft Moulded	: 6.30 M
Deadweight	: ~3100 T
Gross Tonnage	: ~4671 T
Trial Speed	: ~12 knots
Moon Pool	: 8.00M x 8.00M
Heli-Deck	: Capable of the reception of a Sikorsky S61
Class Notation	: ABS + A1 (E), Offshore Support Vessel (Supply-HNLS, FFV1), + AMS, ACCU, DPS-2, SPS, RW, HELIDK.

PROPULSION /MACHINERY

Main Engine	: 2 X 3000BHP @ 800rpm, Niigata 6L28AH
Propulsion system	: 2 x Azimuth thruster
Bow Thruster	: 2 x 800KW, transverse type Kawasaki Approx. 11.9T thrust CPP
Main Generator	: 3 x 800 KW, diesel driven, Caterpillar
Shaft Generator	: 2 x 1500KW, ABB
Emergency Generator	: 1 x 192kW, 415V/50Hz, Cummins

ACCOMMODATION

4 x 1 man cabin	: 4 men
10 x 2 men cabin	: 20 men
44 x 4 men cabin	: 176 men
Total	: 200 men

1 x hospital	: 2 men
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Chiller	: ~35 M ³ (approx.)
Freezer	: ~35 M ³ (approx.)

Offices • Mess Rooms • Gymnasium • Galley •Smoking Room

LIFE SAVING EQUIPMENT

Life Raft	: 8 x 25 men
Life Buoy-ring	: 12 sets
Lifejackets	: 250 sets
Fireman Outfit	: 6 sets
EEBD	: 8 sets
MOB-Light Smoke Signal	: 4 sets
First Aid Kit	: 1 set
Lifeboat c/w davit	: 2 sets (SOLAS approved)
Immersion Suits	: 204 sets
Air Breathing Apparatus	: 6 sets

CARGO CAPACITIES

Clear Deck Area	: 730 M ²
Deck Cargo	: 800 T
Deck Loading	: 7.5 T/M ²
Fuel Oil	: ~1150 M ³
Fresh Water	: ~740 M ³
Drill Water/Water Ballast	: ~1750 M ³
Mud/Brine	: ~410 M ³
Heeling	: ~440 M ³
Dry Bulk Cement (4 x 2000ft ³)	: ~226 M ³

CARGO DELIVERY RATES

Fuel Oil	: 2 x 150M ³ /hr @ 75M head
Fresh Water	: 1 x 150M ³ /hr @ 75M head
Drill Water	: 1 x 150M ³ /hr @ 75M head
Mud	: 2 x 70M ³ /hr @ 85M head
Bilge	: 2 x 75M ³ /hr @ 60M head
GS/Fire	: 1 x 100M ³ /hr @ 75M head
Sludge	: 1 x 5M ³ /hr @ 29M head
Ballast	: 1 x 200M ³ /hr @ 100M head

SUPPLY & DRAINAGE PLANT

FW Hydrophore Plant &pump	: 2000L/ 2x15M ³ /hr @ 60M head
SW Hydrophore Plant &pump	: 2000L/ 2x15M ³ /hr @ 60M head
Sewage Holding & Treatment System	: For 200 persons

Freshwater Maker	: 2 x reverse osmosis type of 30t/day
Oily Bilge Water Separator	: Hot 1x 1.1M ³ /hr with oil content <15ppm
Water Calorifier	: 2 x 80KW of 1000L c/w 2 circulating pumps

DECK / AHT EQUIPMENT

Windlass	: 1 x electro hydraulic type of 16T @ 12M/min for 58mm dia. chain
Capstan	: 2 x electro hydraulic type of 10T @ 15M/min
Anchor	: 2 x high-hold type, stowed in anchor-pockets each of 3240kg
Tugger Winch	: 2 x electro-hydraulic type of 10T @ 15M/min
Cargo Rail	: 300mm N.B. heavy pipes shall be Provided on main deck (P&S) Approx. 2500mm to top of pipes

DYNAMIC POSITIONING SYSTEM

Meets the DPS-2 class notation of ABS

- 2 x DGPS
- 1 x Laser Reference System
- 1 x HIPAP 500 Position Reference System
- 3 x wind sensor
- 3 x vertical reference units
- 3 x gyro sensors
- 2 x UPS

- 1 x lightweight taut wire (MK 15B)
- 2 x printer for alarm log
- 1 x FMEA consultant

NAVIGATION EQUIPMENT

X-band radar range 96NM	:	1 set
S-band radar range 96NM	:	1 set
Echo Sounder	:	1 set
GPS Plotter	:	1 set
Gyro Compass	:	3 sets
Magnetic Compass	:	1 set
Autopilot & Steering Gear	:	1 set
Weather Facsimile Receiver	:	1 set
Doppler Speed Log	:	1 set
AIS	:	1 set
MF/HF Transceiver (GMDSS)	:	1 set
Satellite EPIRB (GMDSS)	:	1 unit
2-way Portable VHF radios (GMDSS)	:	3 units

Main Crane	:	1 x electro hydraulic driven crane of 100T @ 15M with AHC Function
Deck Crane	:	1 x marine crane of 3T SWL @ 14.0M
Gangway	:	1 x aluminium gangway about 6.0M
Mooring System	:	4 point mooring system
Mooring Winches	:	4 x electro hydraulic type 1200M of 40mm dia wire capacity with CCTV monitoring system

INTERNAL FIRE FIGHTING SYSTEM

CO2-Fire Extinguishing & Smoke Alarm System	:	Provided in engine room
Fixed Pressure Water Spraying and Mist Fire Extinguishing	:	Main Engine Room
Firemain	:	1 x Firemain, 12 x hydrants
Fire Blankets	:	2 off
Fire Axe	:	1 off

EXTERNAL FIRE FIGHTING SYSTEM

External FiFi-1 c/w water spraying system	
Fire Monitor	2 x 1200 M ³ /hr @ 50M
Fire Pump	2 x 2000 M ³ /hr @ 14 bar
Sea Chests	2 x independent type
Foam tank capacity	20 M ³
Dispersant Capacity	20 M ³

SART : 2 sets

Navtex
Receiver
(GMDS
S)

: 1 unit Anemometer : 3 units