

NPP NUSANTARA

80M/ DP2/ Subsea Support Vessel

PRINCIPAL PARTICULARS

Year Built	2010
Place Built	Drydocks World, Singapore
Design	Conan Wu & Associates, Singapore
Flag	Batam, Indonesia
IMO	9483061
Length Overall	79.80 m
Length BP	79.48 m
Breadth Moulded	20.40 m
Depth Moulded	8.00 m
Draft (max)	5.60 m
Freeboard (SLL)	2412 mm
Class	ABS
Notation	x A1, Offshore Support Vessel, (E), x AMS, x DPS-2
GRT/ NRT	5001.00 T / 1501.00 T
Deadweight	2500.00 T

DECK PARTICULARS

Clear Deck Area	700.00 m ²
Deck Carrying Load	1000.00 T
Deck Strength	5.00 T/m

PERFORMANCE

Maximum Speed	12 Knots @ 30 T/24hrs
Economic Speed	10 Knots @ 24 T/24hrs

PROPULSION SYSTEM

Main Engines	4 x Caterpillar 3516B, 1901 kW @ 1800 RPM
Auxiliary Engines	Caterpillar 3412, 620 kW @ 1800 RPM
Emergency Generator	Caterpillar 3508B, 968 kW @ 1800 RPM
Air Compressor	2 x 30 m ² /hr x 30 Bar
Bow Thruster	3 x Schottel STT 002 CP, 600 kW,
Propellers	2 x Electric Driven Voith Schneider Propellers

TANK CAPACITIES

Fuel Oil	958.20 m ³
Fresh Water	1084.40 m ³
Bilge	20.50 m ³
Ballast Water	1907.02 m ³

CARGO DISCHARGE CAPACITIES

Fuel Oil Pump	100 m ³ /hr @ 70 m head
Fresh Water Pump	100 m ³ /hr @ 75 m head
Bilge/Ballast/Fire/GS	2 x 80 m ³ /hr @ 70m head, 1 x 60 m ³ @ 70m head



DP SYSTEM

DP2, Convertteam DPS-2, 2 DGPS, Sonardyne USBL, Taut Wire 500 m Depth, Fanbeam, 3 Anemometers, 2 Motions Sensors, Independent Joystick System

DECK EQUIPMENT

Anchors & Chain	2 x 2835 kg High Holding Power Type, 220 m x 54 mm (Dia), Grade U2
Tugger Winch	Nil
Capstan	2 x 10 T @ 14 m/min Electro Hydraulic
Anchor Windlass c/w Bow	Electro Hydraulic
Crane 1	SWL 50 T @ 12.5 m Radius (max SWL) SWL 13 T @ 30.0 m Radius (max Radius) w/ Active Heave Com. / Constant Tension & Man Riding Capability
Crane 2	SWL 5 T @ 12 m Radius (max SWL)
Moon Pool	8.00 m Length x 8.00 m Breadth

ACCOMMODATION

Berths	12 x 1, 6 x 2, 24 x 4 Berths
Total Pax	120

EXTERNAL FIRE-FIGHTING EQUIPMENT

Fi-Fi Notation	Nil
Fi-Fi Monitors	Nil
Fi-Fi Pump	Nil

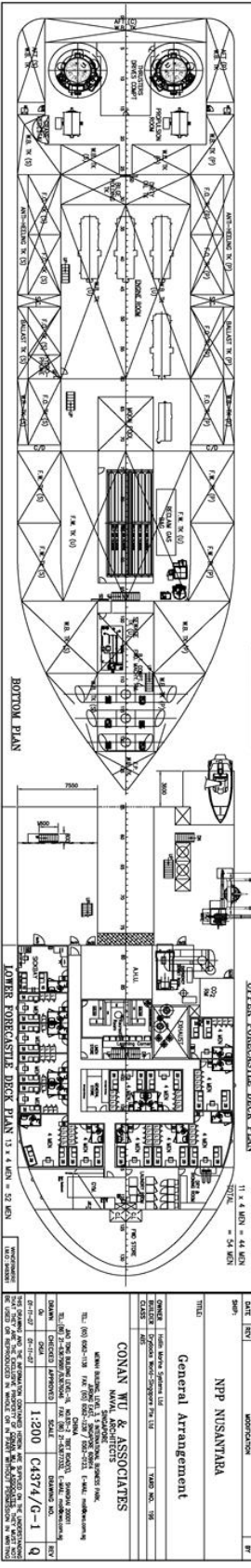
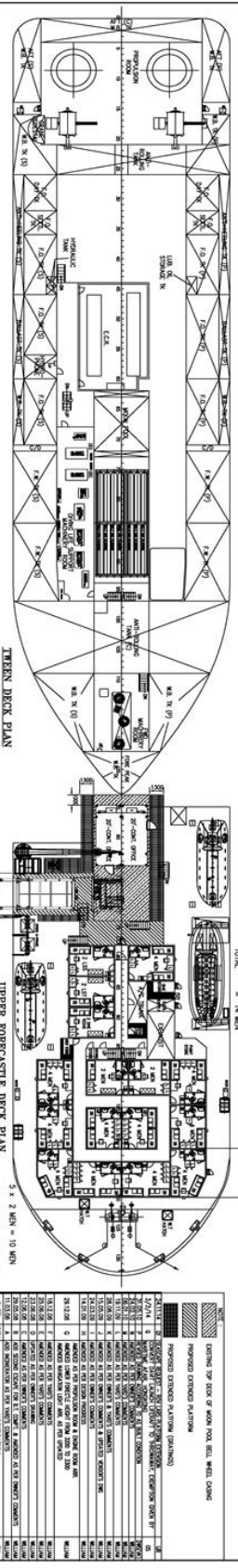
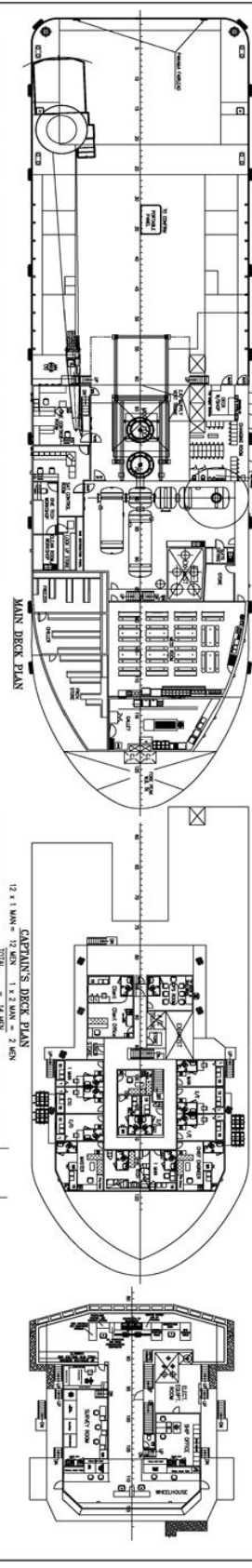
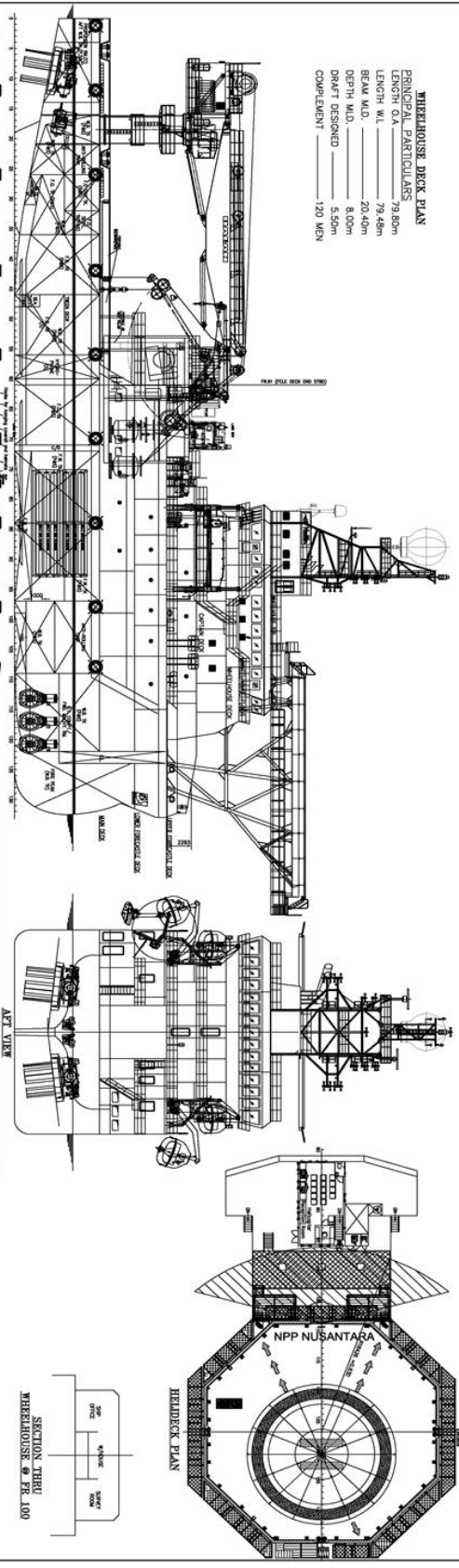
LIFE-SAVING EQUIPMENT

Life Rafts	10 x 25 men, SOLAS Compliant
Rescue Boat c/w Davit	2 x 80 men, 120 kW of Inboard Engine, 160 L Fuel, SOLAS Compliant

DIVING & ROV SYSTEMS

Diving System	15 men Saturation Diving System with SPHL, 3 men Diving Bell (Through Moonpool)
Below Decks HeO2 Storage	39 Kelly Tubes x 200 Bar, approx. 17000 m ³ , On Deck O2 Storage
Gas Reclaim Systems	DGRS and Chamber Gas
Air Diving System	Dual LARS, Air DDC
Work Class or Other ROV	Optional, install as required
SPHL	1 x 15 Divers, 4 Crew, Flyaway pack
Helideck Details	12.8 T, 22 m, Ready for SIKORSKY 78/Super Puma

WHEATHOUSE DECK PLAN
 PRINCIPAL PARTICULARS
 LENGTH O.A. 79.80m
 LENGTH W.L. 79.48m
 BEAM M.D. 20.40m
 DEPTH M.D. 8.00m
 DRAFT DESIGNED 5.50m
 COMPLEMENT 120 MEN



General Arrangement

NPP NUSANTARA

CONAN WU & ASSOCIATES
 MARINE ARCHITECTS

1:2000 44374/G-1

DATE: 11/08

REVISIONS:

NO.	DATE	DESCRIPTION
1	11/08	ISSUED FOR APPROVAL
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