



**PRIMA
NAVALINK**

PRIMA NUSANTARA X

VESSEL SPECIFICATIONS



www.primanavalink.com



OVERVIEW



PRIMA NUSANTARA X

Prima Nusantara X is an Indonesian-flagged DP-2 Cable Lay Vessel (CLV) equipped with multi-service subsea equipment, including cutting-edge and meticulously maintained cable handling equipment, a working-class trencher ROV, and a multi-depth plough system.

The vessel is designed to accommodate 60 persons, operate in sea state 6 conditions, and is powered by diesel-electric engines that optimize fuel consumption during transit at economic speed.

GENERAL DESCRIPTION

Classification	RINA
IMO number	9669990
Vessel built	Mawei Shipyard China; 2014
Vessel conversion	Multi Ocean Shipyard; 2024
Flag	Indonesia
Call sign	YDVF2V

MAIN DIMENSION

Length overall	91.57 m
Length between perpendiculars	83.00 m
Breadth moulded	18.80 m
Depth moulded	7.40 m
Design draught/ deadweight	5.90 m / 4936 MT
Max. summer draught/deadweight	6.05 m / 5145 MT
Gross tonnage	5339 ton
Deck load capacity	5 ton/m ²

CABLE TANKS AND REPEATER CAPACITIES

Main cable tank	1 x 2900 ton
Spare cable tank	2 x 120 ton

Repeater storage	22
Branching unit storage	8

ACCOMODATION

Max. person on board	60
Hospital	1

PERFORMANCE

Economic speed	~9.5 kn
Maximum speed	10 kn
Fuel on DP	10 - 14 KL
Fuel on standby	3.2 KL
Endurance	45 Days

PROPULSIONS AND MANEUVERING SYSTEM

Main generator	4x Cummins QSK60-D(M) 1825 kW @480V/3Ph/60 Hz
Main engine	4x 2550 BHP @1800 rpm D-Electric
Emergency generator	1x Cummins KTA19-D(M) 350 kW
Propulsion electric motor	2x 2000 kW E.Motor VFD
Bow thruster	1x 1.85 m Dia. CPP (910 kW E. Motor)

Retractable thruster	1x 1.80 m Dia. CPP (800 kW E. Motor)
Propeller	2x FPP, 2.6 m Dia. @4-bladed, 360° azimuth with Kort Nozzle

CONTROL AND NAVIGATION EQUIPMENT

Gyro's	1x Simrad GC80/GC85 MK2 + 2x Navigat X MK1
HiPAP system	Kongsberg HiPAP 501
DP system	Kongsberg K-POS DP-22
DGPS	2x Fugro R750
Radars	2x X-Band Furuno FAR-21x7 + 1 S-Band Furuno FAR-28x7
ECDIS	1x Furuno FA150 + 1x Furuno MU190
Echo sounder	1x Furuno FE700 + 1x Furuno RD-20
Motion reference unit	2x Kongsberg Seatex MRU-D + 1x Kongsberg Seatex MRU 2

COMMUNICATION EQUIPMENT

1x Starlink Maritime Flat High-performance

1x Radio Console Radio Holland 1800T

1x Furuno Inmarsat-C

1x MF/HF Furuno FS-2575C

1x Furuno PP-510

1x Furuno IB-585 NBDP

2x Radio telephone VHF Furuno FM-8900S

2x VHF Radio Standard Horizon

3x VHF Emergency Portable Radio NSR NTW-1000

DECK MACHINERY

Tugger winch	2 x10t @electro-hydraulic system
Capstan	2 x 7.5t @electro-hydraulic system
Deck crane	SWL 5t @15 m fix boom crane
Plough A-frame	1 x 30t SWL A-frame
ROV A-frame	1 x 13t SWL A-frame

SURVEY SOFTWARE

MakaiLay

CABLE HANDLING EQUIPMENT

Cable drum engine	Royal IHC 1 x 30t dia. 4 m
Draw Off/Hold Back (DOHB)	Royal IHC 1 x 4t with 4 wheel pairs
Linear cable engine	Royal IHC 1 x 18t with 21 wheel pairs
Cable transporter	Royal IHC 1 x 1.5t with 2 wheel pairs

Operating depth	Up to 2000 m
Burial capacity	Max. 3 m
Umbilical	4000 m

REMOTE OPERATED VEHICLE (ROV)

Type	Simec Alpha 8.2
Power	400 kW
Length x Width x Height	5.6 m x 4 m x 3 m
Operating depth	5 - 3000 m
Weight	12.5t
Burial capacity	2.4 m - 3 m (with extension)
Tracking	350 & 440 TSS cable tracker
Umbilical	3000 m

JOINTING AND TESTING

Power feeding equipment (PFE)	Spellman output 15kV/2.4A
UJ/UQJ jointing tools	Global Marine Complete (1+1) sets
OTDR	Anritsu MT9085C
IR tester	Tinsley Type 5910
X- ray	2x Digital X-ray Camera DXr1
Splicer	Sumitomo UJS-S200
PGU	ISRS ETA Subsea Cable Specialists

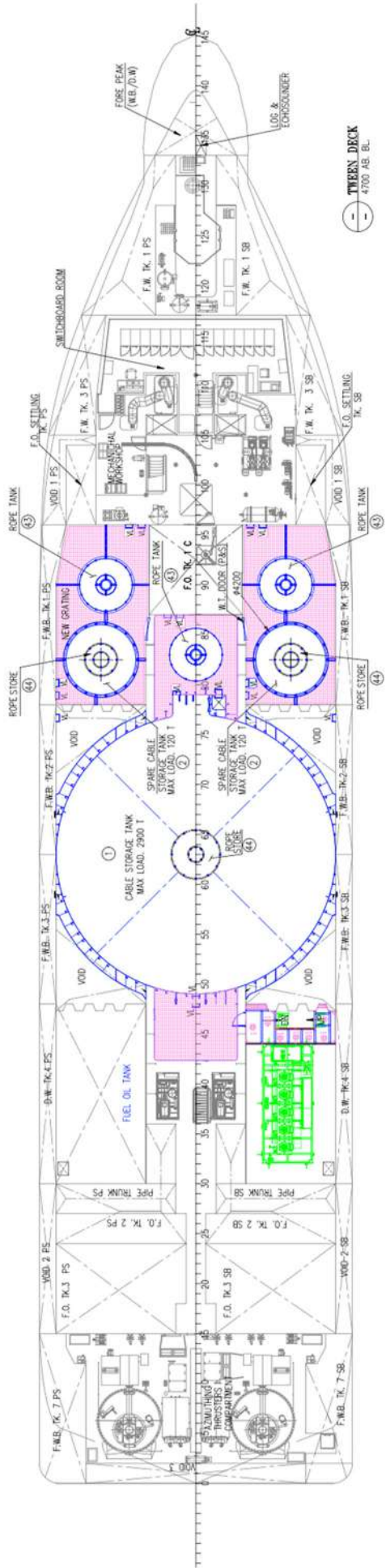
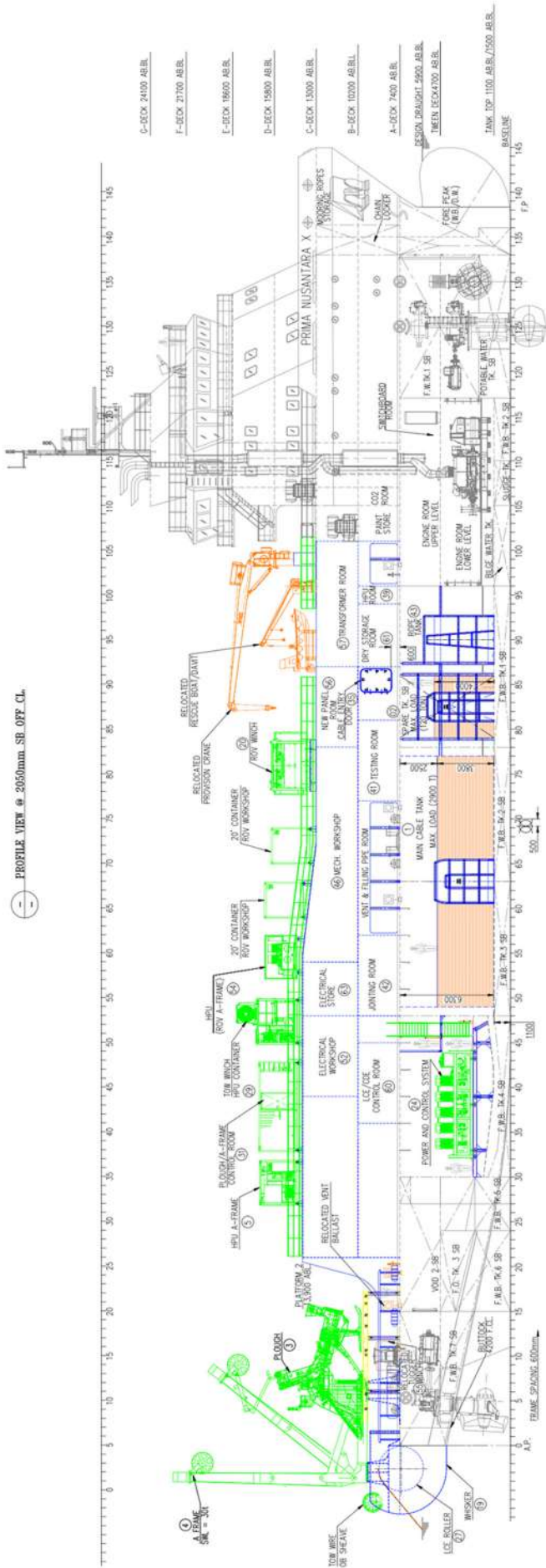
PLOUGH SYSTEM

Type	SMD MD3 plough
Length x Width x Height	9.1 m x 5.1 m x 4.4 m
Towing force	Up to 80t

LSA EQUIPMENT

Rescue boat	1
Life saving total capacities	60
Liferafts	8 x 25 persons + 4 x 20 persons

PROFILE VIEW @ 2050mm SB OFF CL



— TWERN DECK —
4700 AB. BL.



PT. PRIMA PELAYARAN HUTAMA

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