

NAVALINK POLARIS

Cable Laying Vessel

Navalink Polaris (NVL) is a DP2 Indonesian-flagged cable laying vessel built in 1998. Over the years, Navalink Polaris has successfully completed multiple cable repairs and cable deployment, consistently meeting high standards of quality and timely delivery required by customers.

The vessel demonstrates excellent operational performance even in Sea-State 6 conditions.

CS Navalink Polaris is owned by PT Prima Samudra Bahari and managed by PT Vektor Maritim, both subsidiaries of the Soechi Group.



Main Particulars

Registration

Name	: Navalink Polaris
Classification	: Bureau Veritas (BV)
IMO number	: 9017824
Call Sign	: YCYW2
Flag	: Indonesia
Vessel Built	: Singmarine Dockyard (1993)
Vessel Conversion	: Wear Dockyard Ltd. U.K. (1998)

Dimension

Length overall	: 109.5m
Breadth	: 20.5m
Depth (Moulded)	: 9.0m
Gross Tonage	: 7960 ton
Design Draft	: 9.0m
Scantling Draft	: 7.5m
Deadweight	: 6597 ton

Accommodation

Facilities	: 60 Pax
Accommodations For	: Gym, Prayer Room, Recreation Room

Capacities

2 Main Cable Tanks	: Total Capacity 2,400 m ³
1 Spare Cable Tanks	: Total Capacity 320 m ³

Speed, Consumption and Performance

Maximum Speed	: 12.5 knots @ ~ 28 t
Service Speed	: 10.0 knots @ ~ 14 t
Endurance	: Approx. 50 Days @ Service Speed
DP System	: DP-2
Bollard pull	: 84t
Reference system	: 3 x DGPS, 1 x HPR Sonardyne

Survey Software

MakaiLay

Subsea Equipments

Deck Properties Equipments

Cable Drum Engine	: 2 x 3.6m diameter Electric Hydraulic CDE with 3 pair DOHB
Linear Cable Engine	: 1 x 20 wheeled-pair tyre type Electric-Hydraulic LCE
Anti-Rolling Tank	: Passive Type
Deck Crane	: 1 x 3.5 tonnes SWL
Stern Sheave	: 3.0m width dual-rolling sheave
A-Frame	: SWL 35 tonnes

Cable Handling Equipment

Cable drum engine	: 2 x Mitsubishi 25T Dia. 3.66 m
Draw Off/Hold Back (DOHB)	: 2 x Mitsubishi 3T Dia. 0.60 m (3 wheel pairs)
Linear cable engine (LCE)	: SMD 10T with 20 wheel pairs
Cable transporter	: SMD 2T with 2 wheel pairs

Communication System

Satellite Comm.	: 1 x Starlink Maritime Flat High-performance
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Performance & Machinery

Propulsion

Main Generator Engine	: 6 x 1,600kW Bergen Engine KRGB-9
Aux/ Emergency Engine	: 1 x 600kW Detroit Diesel 16V92TA
Azimuth Thruster	: ULSTEIN-LIAAEN 2 x 3,000kW @ 1185rpm (4 Blade 2 Speed CPP each)
Bow Thruster	: ULSTEIN-LIAAEN 3 x 800kW @ 1200rpm

ROV Trencher System T400

- Vehicle Power
- : 1 x 300kW electro-hdraulic
power pack 3.3kV 4 pole 1760 rpm
- Length x Width x Height
- : 4.3 x 3.7 x 2.65m
- Weight in Air
- : 9,2t
- Operating Depth
- : 5-2,500m or 0-20m
Surface Fed Option
- Trench Capability
- : 2m depth soil dependent
100kPa maximum @ 1m
Maximum inclination angle 10°
- Max Bollard Pull
- : 1,000 kg
- Thrust Capabilities
- : 1,5kt in any vector
- Cable Detection
- : TSS 350/440 Tracking System
- Configuration
- : Twin articulated jet legs
- Burial Toll Control
- : Tool Depth 0-full depth
(tool dependent) 1.0/1.5 and
2.0m tools available

Plough System MD3 SMD

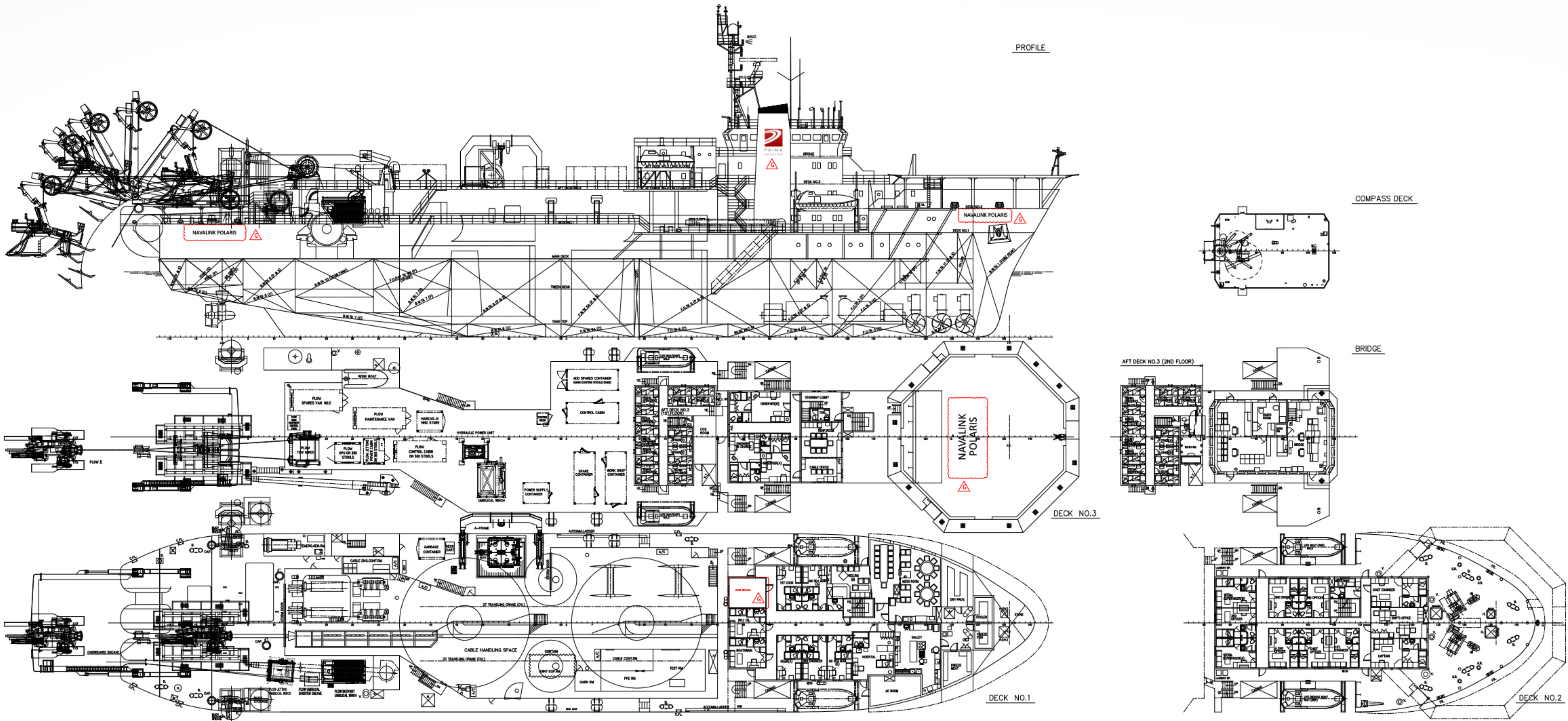
- Length x Width x Height
- : 9.1 m x 5.1 m x 4.4 m
- Towing force
- : Up to 80t
- Operating depth
- : Up to 2000 m
- Burial capacity
- : Max. 3 m
- Umbilical
- : 4000 m

Jointing and Testing

- Power feeding
- : Spellman SB12kV
- equipment (PFE)
- UJ/UQJ jointing tools
- : Global Marine Kits
Complete (1+1) sets
- OTDR
- : Anritsu MT9085C
- IR tester
- : Tinsley 5910 Short Haul
- X- ray
- : 1x Digital X-ray, Camera DXR1
- Splicer
- : Fusion splicer UJS-S200
- PGU
- : ETA Subsea Cable Specialist

LSA Equipment

- 2x Lifeboat 38Person
- 2x Lifeboat 20Person
- 6x Liferaft 20Person
- 98x Life Jacket
- 62x Immersion Suit
- Pyrotechnics
- 9x Lifebuoy



PRINCIPAL DIMENSIONS

LENGTH (O.A.)	109.0	m
LENGTH (B.P.)	90.60	m
BREADTH (MLD)	20.50	m
DEPTH (MLD)	9.00	m
DRAFT (SCANTLING)	7.50	m

完成図
FINISHED PLAN

CONFERRED	YOKOHAMA SHIP REPAIR & MARINE ENGINEERING DEPARTMENT	国際ケーブル・シップ株式会社	
APPROVED	T . TERUI	CLASS	NK/JG
CHECKED	Y . HASEGAWA	GENERAL ARRANGEMENT 1/2	
DRAWN			
SCALE	1 : 100	ITEM	
ORDER	25033	DRAWING NO.	P1010F
H-2		MITSUBISHI HEAVY INDUSTRIES,LTD.	
		R	ALT

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