



# ELNUSA SAMUDRA 8

## THE FIRST ECO-GREEN

ACCOMMODATION WORK BARGE IN INDONESIA



Designed to ensure a sustainable environment, efficient energy and a healthier workplace without abolishing the main function, ELNUSA SAMUDRA - 8 is ready to improve the quality of your operation in marine and well services.



### INNOVATION:

- **Energy alternative** using solar panel for engine room and navigation lighting system
- **Reduce emission** with diesel engine generator set (Euro III/ Stage IIIA & Tier 3)
- **Energy efficiency** using LED light and natural sun light for day light



Owner:

**PT Elnusa Trans Samudera**

Year of Built:

**2014**

Flag:

**Indonesia**

Port Registry:

**Batam**

Class:

**BKI**



### ELNUSA SAMUDRA 8

is on operation since 2015 in Delta Mahakam field (shallow water) for well intervention services:

- Snubbing
- Slickline
- Cementing
- Coiled Tubing
- etc.

# GENERAL SPECIFICATION

## ELNUSA SAMUDRA 8



### Main Dimensions

LOA	: 60.96 m (200' ft)
Breadth	: 18.29 m (60' ft)
Depth	: 4.00 m
Draft (Full Loaded)	: 2.50 m
Draft (Empty Loaded)	: 1.80 m
GRT	: 1948 Tons
NRT	: 585 Tons
Main Deck Area	: Abt. 500 m <sup>2</sup> , Load = 10 Ton/m <sup>2</sup>
Second Deck Area	: Abt. 100 m <sup>2</sup> , Load = 5 Ton/m <sup>2</sup> (removable system)

### Accommodation

Total POB:66 Persons	
2 Cabins x 1 Person	c/w Toilet Modul, TV, Wifi, LAN, DVD player, Small Refrigerator
4 Cabins x 2 Persons	c/w Toilet Modul, Wifi
14 Cabins x 4 persons	c/w Toilet Modul, Wifi

### Facilities

Galley, Mess Room, Gym Room, Stores, Laundry, Recreation Room, Prayer Room, Change-room, Medico-Room, Meeting Room, Laboratory, Radio Room, CoMan Office Room, Barge Master Room, AHU (AC Central), CCTV, workshop, smoking area, dog house.

### Tank Capacities

Fuel Oil	: 2000 m <sup>3</sup>
Fuel Oil Daily	: 2 unit independent, @3900 Ltr
Fuel Oil Portable	: 2 units @2000 Ltr on Main Deck
Fresh Water	: 500 m <sup>3</sup>
Brine/Drill Water	: 390 m <sup>3</sup>
Ballast	: 980 m <sup>3</sup>
Bilge	: 10 m <sup>3</sup>
Sewage	: 19 m <sup>3</sup>
Dirty Oil	: 7 m <sup>3</sup>
Mud Tank	: 300 Bbls (24 m <sup>3</sup> ), 150 Bbls (24 m <sup>3</sup> )

### Power

Three main diesel Engines, CAT C18 450 EkW @1500 RPM.  
562KVA Cos  $\Phi$  0.80, 400V / 50Hz / 3 Ph. Euro 3 / Tier 3.  
Year Built 2014

### Cranes

Main Crane	: <b>Norcrane</b> Electric Hydraulic Pedestal Crane 25T at 5m, 28m Boom Length
Auxilliary	: <b>Norcrane</b> Electric Hydraulic Pedestal Crane 10T at 3.7, 10 m Boom Length

### Mooring System

Anchor	: 4 x Flipper Delta Anchor @3T
Anchor Winch	: 4 x Norcrane, Single Drum Type. Cap.300m x Dia 32mm SWR (10 Layers)

Spud Winch	: 4 x Norcrane, Single drum Type Cap.130m x Dia.24mm SWR (3 layers)
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### Main Machinery Equipment

Air Handling Unit (AHU)	: 1 x AICOOL Cap.170 kW-48 Ton
Ballast Pump	: 2 x Southern Cross, Centrifugal, Cap. 60m <sup>3</sup> /hr
Emergency Fire Pump	: 1 x Southern Cross, Centrifugal, Cap.70m <sup>3</sup> /hr Engine MITSUBISHI S4S-DT 2900 rpm, 62 kW
Air Compressor	: 2xSwan, Cap. 55CFM, Press.100-125 Psi
Water heater	: 2 x Lange machinery 400L, Hot Water Cap.225 kg/hr
Fresh Water maker	: 1 x Gefico 20 T/day, Flow rate 2.89-3.47m <sup>3</sup> /hr

### Radio and Navigation Equipment

GPS	: FURUNO GP-150, 12-24 VDC, 0.8-0.4 Amp
Echo Sounder	: FURUNO FE-700, Range 1.2mtr(200 kHz), 2mtr (50kHz)
Wind Tracker	: YOUNG, Wind range 0-100 MPH, 0-50 M/S, 0-200 KM/H, 0-100 KN
VSAT	: KNS Z12M2
VHF Marine Radio	: [2 x I-COM/IC-M604A] + [Fix, 2 x I-COM/IC-M36]
UHF Fix Radio	: 2 x Motorola / GM 338
UHF Portable Explosion	: 14 x Motorola / GP 328
EPIRB	: 1 x Kannad 406 MHz

### Safety

Life Raft	: 6 Nos, 25 Men capacity Liferaft, SOLAS A-PACK
Life Jacket	: 87 pcs c/w Line and Whistle
Life Buoy	: 10 units
First Kit Box	: 4 sets
Breathing Device (EEBD)	: 7 sets
SCBA	: 2 sets
Stretcher	: 1 unit
Gas Monitoring	: 12 units gas detector heads monitoring
Others	: Fireman Suits, CO2 System covered Engine Room area, Fire Hose Box / Station, Fire Water Monitor, Chemical Foam, Portable Exthinguisher, Fire & Smoke Alarm System (Audio & Visual Alarm), Emergency Lighting.

### Solar Panel System

57 Pcs Mitsubishi PV-MLE265 HD Monocrystalline Silicon IEC61215, IEC 61730