

# Trailing Suction Hopper Dredger 2500

YN563251 – BARITO EQUATOR



## GENERAL

Yard number	563251
Delivery date	May 2015
Basic functions	Maintenance trailing suction dredging
Classification	Bureau Veritas I, ✕ Hull, ✕ Mach, Hopper Dredger, unrestricted navigation – dredging within 8 miles from shore, ✕ AUT-UMS, I Indonesia
Flag	Pt. Pelayaran Fortuna Nusantara
Owner	Megajaya

## DIMENSIONS

Length o.a.	80.30 m
Length b.p.p.	76.10 m
Beam moulded	16.20 m
Depth moulded	5.60 m
Draught (summer)	4.60 m
Draught (dredging)	5.10 m
Deadweight, approx.	3625 t
Hopper volume	2500 m <sup>3</sup>

## TANK CAPACITIES

Ballast water	219 m <sup>3</sup>
Fuel oil (service)	327 m <sup>3</sup>
Potable water (service)	49 m <sup>3</sup>
Sewage	16 m <sup>3</sup>

## PERFORMANCES

Speed (dredging draught)	12 kn
Dredging depth	22 m

## PROPULSION SYSTEM

Main engines	2x CAT 3516C
Propulsion power	2x 1492 kW at 1800 rpm
Propellers	2x 2350mm, FPP, in nozzle
Bow thruster	1x channel type, 287 kW, driven by jet water motor

## DREDGE SYSTEM

Trailing suction system	1x 750 mm trailing suction pipe 1x diesel driven dredge pump
Discharge system	5x rod actuated bottom doors
Supporting systems	1x diesel driven jet water pump

## AUXILIARY EQUIPMENT

Networks	400V/230V – 50 Hz
Generator sets	2x CAT C9, 200 ekW at 1500 rpm
Emergency generator set	1x CAT C4.4, 49 ekW at 1500 rpm

## DECK LAY-OUT

Anchor mooring winch	2x hydraulic, with two warping heads
Capstans	1x hydraulic, 5t pull
Deck crane	1x knuckle boom, 10.0 t at 8.5m

## ACCOMMODATION

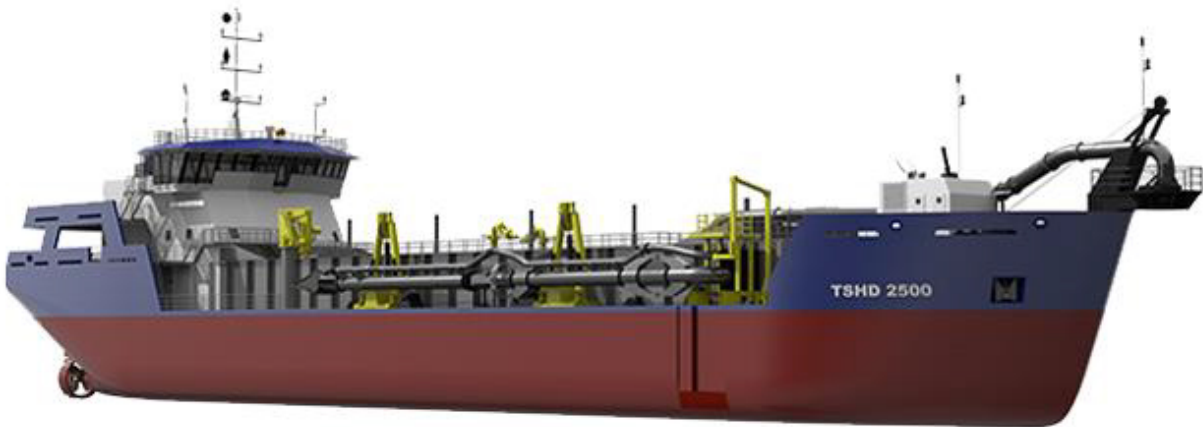
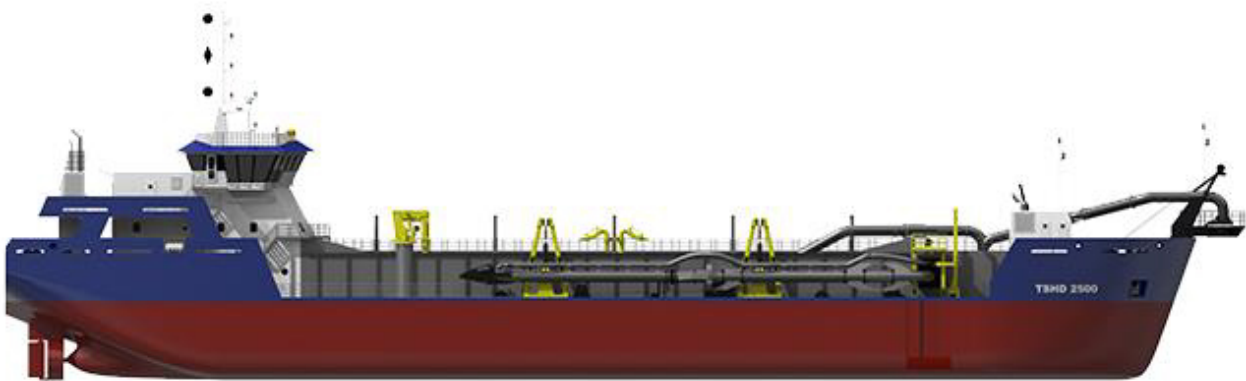
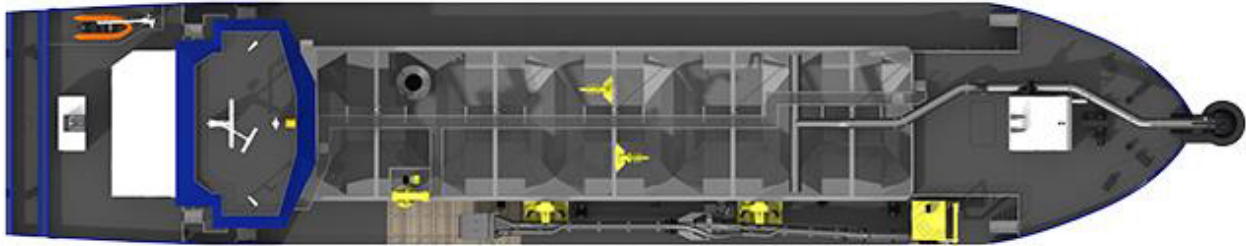
Crew	12 persons
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## NAUTICAL AND COMMUNICATION EQUIPMENT

Radar system	1x X-band
GMDSS	Area A3

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