



YANBOSS 10" SUCTION DREDGER

GENERAL

Year Build	2016
Build Location	Netherlands/Nigeria
Basic Functions	Sand winning

DREDGING FEATURES

Dredge depth	30m (current layout)
Dredge capacity	150-200m ³ /hr
Diam. suction/discharge	250 / 250mm

DREDGE INSTALLATION

Underwater pump type	Warman 10"
Booster pump type	Warman 10", 7 bar
Jet pump	6", 12 Bar, 400m ³ /hr

ENGINE INSTALLATION

Underwater pump	1xDAF 1160 240 hp, Hydraulic drive
Booster pump	1xScania DSI11 320 hp Direct Diesel
Jet pump / 7 winches	1xDAF 1160 240 hp, Hydraulic drive
Electrical installation	24V

PRINCIPE DIMENSIONS

Length overall incl. floaters	45.0m
Length main pontoon	15.0m
Beam	4.3m
Draught	0.5m
Weight	35Ton

TANK CAPACITIES

Fuel tanks	2 x 3,000lit
Ballast water (fore and aft)	2m ³
Hydraulic Oil	1m ³

DECK MACHINERY

Main ladder winch	50KN 0-15m/min
Secondary ladder winch	30KN 0-15m/min
Side winches fore and aft 4x	30KN 0-15m/min
Bow winch	30KN 0-15m/min

INSTRUMENTATION

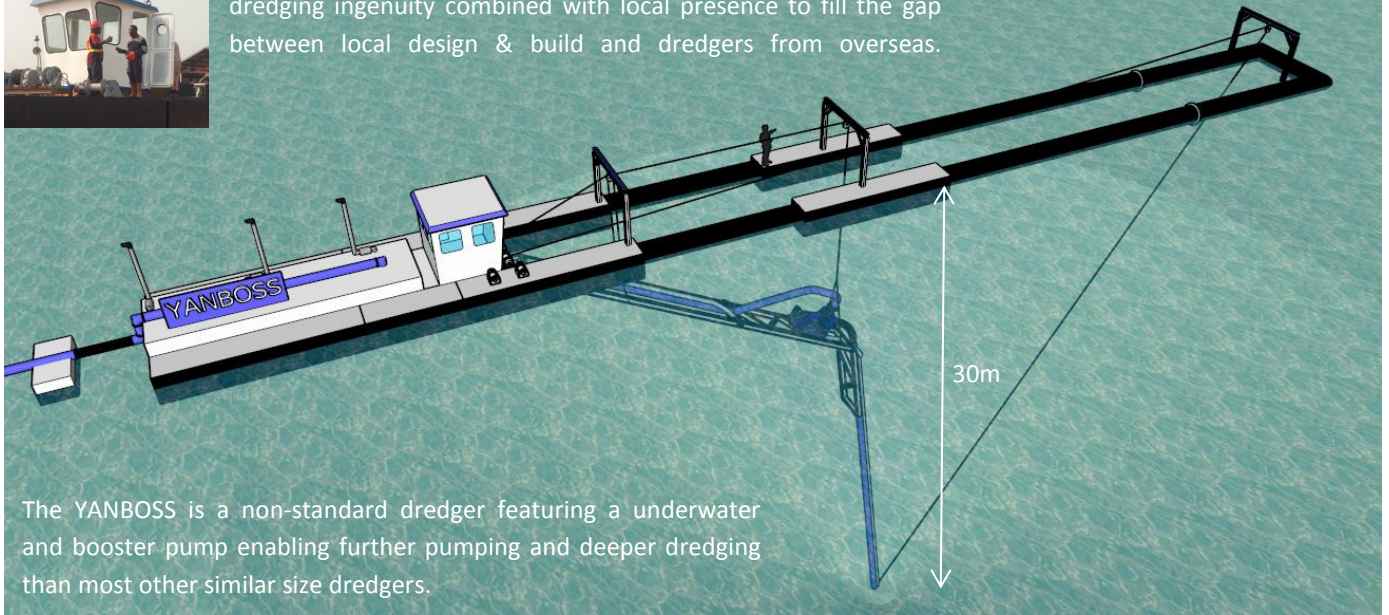
Dredging depth indicator	
Vacuum and pressure	

OTHER FEATURES

Expat Dredge master with 30 year experience
 Full Nigerian experienced crew
 Dismountable and road transportable design
 Dredge depth can be increased to 50m
 Convert into Cutter Suction Dredger within 3 weeks

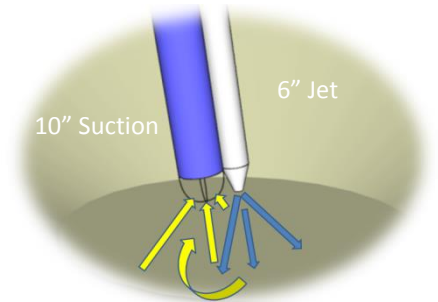


The YANBOSS is the unique result of co-operation between Dutch dredging ingenuity combined with local presence to fill the gap between local design & build and dredgers from overseas.

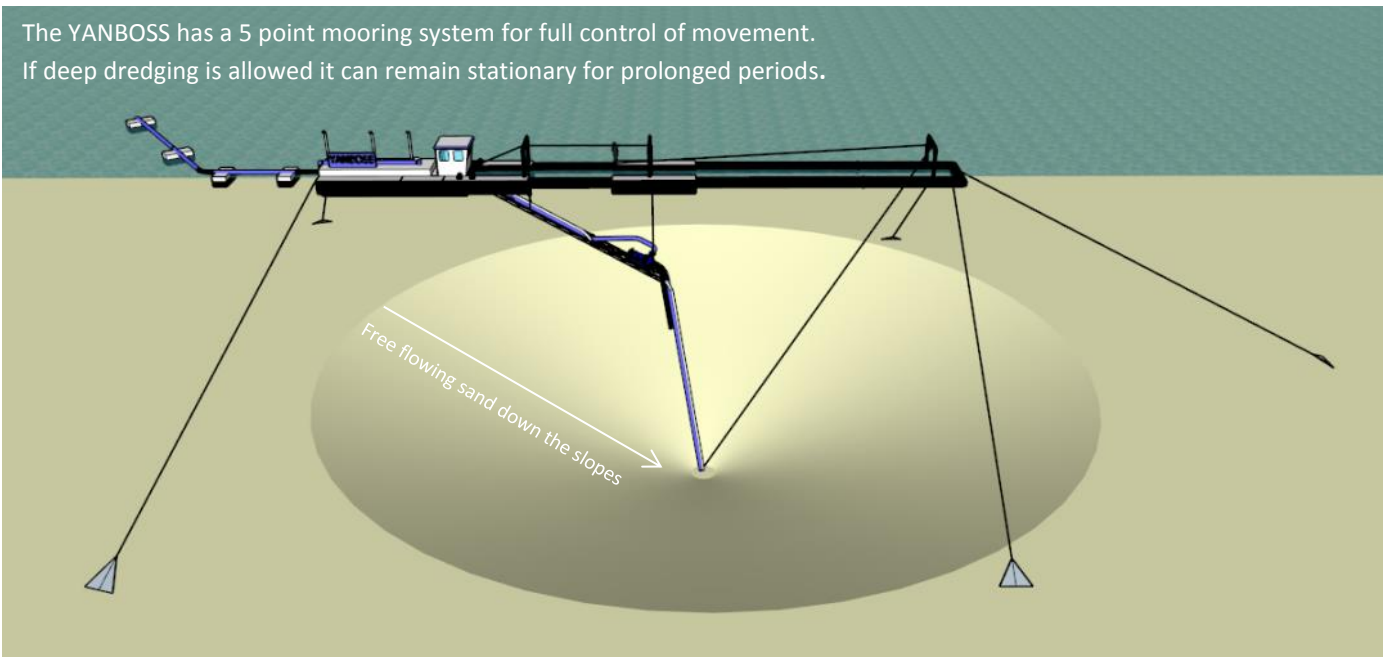


The YANBOSS is a non-standard dredger featuring an underwater and booster pump enabling further pumping and deeper dredging than most other similar size dredgers.

A high powered 6" jet pump (12 bar, 400m³/hr) breaks-up extremely dense sands. The high vacuum generated by the underwater pump picks up the sand which in turn causes instability and a density flow down the slopes. This continuous process of sand free flowing down to the suction mouth is the most common technique utilised for sand winning operations in the Netherlands. Eventually the booster pump will pump the sand into the reclamation.



The YANBOSS has a 5 point mooring system for full control of movement. If deep dredging is allowed it can remain stationary for prolonged periods.



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