

# THSD 8000

## Specifications

### General

Basic function	<b>Trailing suction hopper dredger</b>
Classification	<b>GL / BV or equal</b>

### Main Particulars

Length overall	<b>113,1 m</b>
Length betw. Perp.	<b>96 m</b>
Breadth, moulded	<b>24 m</b>
Draught, dredge mark	<b>8,2 m</b>
Deadweight, dredging	<b>12,800 ton</b>
Hopper capacity	<b>8,000 m<sup>3</sup></b>
Accommodation	<b>16 persons</b>

### Dredging Components

Trailing suction pipe	<b>DN1000 mm</b>
Dredging depth	<b>30 m</b>
Overflow weir fixed	
Loading box	
Dredge pump white iron	<b>VI 1100</b>
Unloading system	<b>2x row with 4x</b>

### Deck and safety

Anchors & Mooring equip.	
Auxiliary crane	<b>0,98 ton</b>
Maintenance crane	<b>20 ton</b>

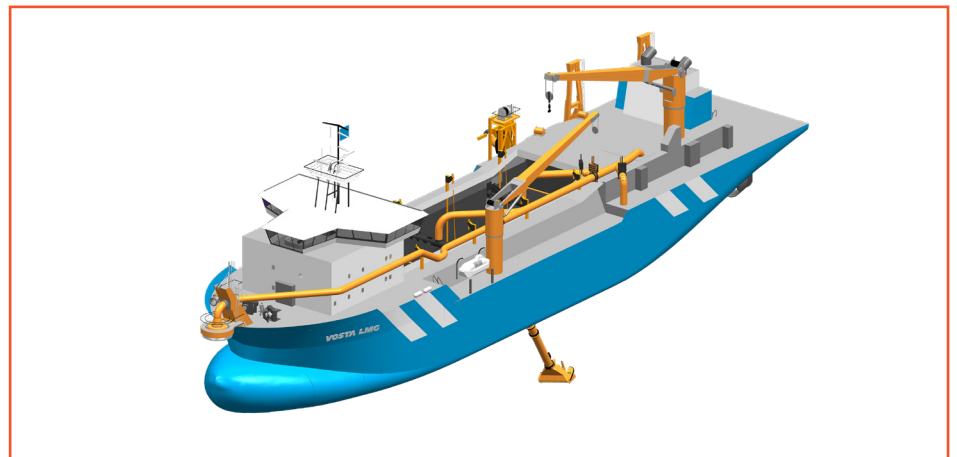
### Electrical System

Main generator	<b>1300 ekW</b>
Bow Thruster	<b>400 ekW</b>
Control and monitoring system	

### Machinery

Main diesel engines	<b>2x 2,530 kW</b>
Auxiliary diesel gen. set	<b>550 kW</b>

The VOSTA LMG designs range from the cutter suction dredgers and trailing suction hopper dredgers to the custom built cutter dredgers and custom build trailing suction hopper dredgers. The design are based on the latest design philosophies. Formed by of practical experience with dredgers of different international and thorough knowledge of technological development. The hopper dredgers in several capacities are well equipped to operate in a wide range of coastal zones dredging several materials. The hopper range is specifically designed for maintenance and land reclamation work in deep as well shallow water areas. The dredgers payload is optimized for transport a high amount of dredged material.



### Options

Suction pipe extension 35m Dd
Degassing installation
Additional loading box
Adjustable overflow
Light mixture
Jet water medium or high pressure
Active drag head
Swell compensator
Bow coupling / nozzle, self emptying channel
DP zero
DCMS automation
Cradle for spares
Live boat
Bow thruster
Additional cranes; deck, engine/pump room
Workshops
Additional accommodation
Green passport
HFO-380cSt
Tropical condition
Walkway below deck
Water ballast treatment

### Dedicated functions\*:

Lowest price per cubic meter at a wide range of jobs
Shallow water operation and speed in shallow water optimized
Bulbous bow with low resistance and low wave generation in shallow water.
Low vibration levels
Compact vessel with optimal maneuverability
High payload
High efficiency dredge pump
Approved dredge control and monitoring system

