**DATA SHEET  TSHD 8000**

### General
- **Basic function**: Trailing suction hopper dredger
- **Classification**: GL / BV or equal

### Main particulars
- **Length over all**: 113,1 m
- **Length betw. Perp.**: 96 m
- **Breath, moulded**: 24 m
- **Draught, dredge mark**: 8,2 m
- **Deadweight, dredging**: 12,800 ton
- **Hopper capacity**: 8,000 m³
- **Deadweight, loading**: 12,800 ton
- **Deadweight, casting off**: 1,900 ton
- **Accommodation**: 16 Persons

### Dredging Components
- **Trailing suction pipe**: DN1000 mm
- **Dredging depth**: 30 m
- **Overflow weir fixed**: 30 m
- **Loading box**: 30 m
- **Dredge pump white iron**: VL 1100
- **Unloading system**: 2x row with 4x
- **Deck and safety**:
  - **Anchors & Mooring equip.**:
    - Auxiliary crane: 0,98 ton
    - Maintenance crane: 20 ton
- **Electric System**
  - **Main generators**: 1300 kW
  - **Bow thruster**: 400 kW

### Machinery
- **Main diesel engines**: 2x 2,530 kW
- **Auxiliary diesel gen. set**: 550 kW

### 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
- Bow thruster
- Additional cranes; deck, engine/pump room
- Workshops
- Additional accommodation
- Green passport
- HFO-380cSt
- Tropical condition Package
- Walkway below deck
- Water ballast treatment

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.

### Main features:
- Low 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
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