**PICTURE OF SIMILAR VESSEL**

### GENERAL
- **Type**: CSD 650 – 18 m
- **Basic functions**: Capital mining and maintenance dredging

### DREDGING FEATURES
- **Dredging depth**: -18 m
- **Swing width**: 62.8 m (at max. dredging depth)
- **Typical mixture capacity**: 7,000 m³/h

### DREDGE INSTALLATION
- **Dredge pump tube**: BP6560MD
- **Diam. suction/discharge pipe**: 650/650 mm
- **Cutter type**: Crown model (with changeable chisels)
- **Cutter power**: 700 kW
- **Spherical passage pump**: 2,100 mm

### ENGINE INSTALLATION
- **Dredge pump diesel**: Caterpillar 3512C TA HD
- **Continuous power rating**: 1,119 kW @ 1,600 rpm
- **Auxiliary diesel**: Caterpillar 3512C TA
- **Prime power rating**: 1,600 kW @ 1,600 rpm
- **Hydraulic installation**: Driving cutter, winches and cylinders
- **Electrical installation**: 24 V DC and 230/400 V AC, 63.3 kVA

### PRINCIPAL DIMENSIONS
- **Length o.a. incl. ladder**: 61.20 m
- **Length over pontoons**: 49.30 m
- **Beam**: 10.50 m
- **Draught**: 1.65 m
- **Air draught**: 8.40 m
- **Total weight**: 535 ton

### TANK CAPACITIES
- **Fuel oil approx.**: 86.10 m³
- **Ballast water**: 74.00 m³
- **Hydraulic oil**: 4.00 m³

### DECK MACHINERY
- **Ladder winch**: Hydraulic, 270 kN, 0-15 m/min
- **Swing winches (2x)**: Hydraulic, 270 kN, 0-15 m/min
- **Spuds (2x)**: Ø 914 mm, length 24 m
- **Spud hosting (2x)**: Hydraulic cylinder, spud stroke 4.0 m

### INSTRUMENTATION
- **Dredging depth indicator**: Vacuum and pressure indication of dredge pump
- **Spud carriage position indicator**: Hydraulic cylinder, spud stroke 4.0 m

### REMARKABLE FEATURES
- Dismountable design which allows transport by road
- Heavy duty robust design
- Simultaneous operation of all functions possible
- Spacious ergonomic designed control cabin and engine room
- One operator can control the entire dredger from the control cabin
- Day accommodation with toilet, kitchen and shower
- Large range of standard options are available to customize the CSD
- Bureau Veritas Coastal classification