The IHC Easydredge® is a product line of standardised trailing suction hopper dredgers (TSHDs) ranging in hopper volume from 500 to 4,000m³. The design of these vessels benefits from IHC’s vast experience in the dredging market and is established around the following criteria:

- **COST-EFFECTIVE**
  Optimised around both the cost price and delivery time, for some models there is a stock program giving short lead times. For other models the engineering has already been done shortening the lead time tremendously.

- **ADAPTABILITY**
  Designed as a basic platform with sufficient space for various options (pre-designed and tailor-made), the ship can grow with your business with the possibility to make additions at a later stage, which ensures it remains the right tool, for the right job, at any time.

- **MULTIPURPOSE OPERATION**
  Standard equipped for maintenance dredging, with options available to make it suitable for all kinds of dredging operations, from grab dredging jobs to capital dredging work with large dredging depths and long discharge distances.

- **STRAIGHTFORWARD AND EASY TO OPERATE**
  With only basic training required and maintenance-friendly design, this is a highly efficient tool from the start.
IHC EASYDREDGE® OPTIONS

- IMO Tier III/EPA Tier 4 (USA) compliant SCR exhaust gas treatment
- degassing installation
- additional heavy-duty maintenance crane
- land reclamation package consisting of bow coupling and a self-emptying dredge pipe line (included in standard version)
- tropical environment suit (for operating in demanding environmental temperature conditions)
- additional accommodation (for large customer
- range of optional extras, including:
  - automation extension (Eco Pump Controller, Trail Speed Controller and DTPS)
  - grab crane installation (including spud poles)
  - modular hopper capacity (by adding mid-ship section)

Other functionalities can be added with a wide range of optional extras, including:

- land reclamation package consisting of bow coupling and a self-emptying dredge pipe line (included in standard version)
- additional heavy-duty maintenance crane
- degassing installation
- sound-insulated watch cabin
- IMO Tier III/EPA Tier 4 (USA) compliant SCR exhaust gas treatment
- on board ballast water treatment installation
- green passport, additional clean ship class notation
- automation extension (Eco Pump Controller, Trail Speed Controller and DTPS)
- grab crane installation (including spud poles)
- modular hopper capacity (by adding mid-ship section).

IHC EASYDREDGE® 700 WITH GRAB CRANE INSTALLATION

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**PRODUCTION GRAPH**

**IHC EASYDREDGE® SERIE**

**SAILING DISTANCE [NM]**

**DIMENSIONS**
- Length overall, approx.: 700 (71.75m) 1,700 (81.75m) 2,700 (92.95m) 3,700 (91.00m)
- Length between perpendiculars: 60.30m 15.80m 16.30m 6.70m
- Breadth: 11.40m 14.00m 15.80m 6.70m
- Draught: 4.10m 5.10m 5.10m 4.00m
- Hopper capacity: 1,700m³ 1,700m³ 1,700m³ 1,700m³
- Optional hopper capacity (adding or removing modular midship section): 500-1,000m³ 1,000-2,000m³ 2,000-3,000m³ 2,000-3,000m³
- Accommodation (max.): 10 persons 14 persons 14 persons 14 persons
- Dredging mark: 3.50m 4.00m 4.40m 5.00m
- Deadweight: 1,150 tons 2,400 tons 4,140 tons 5,650 tons

**POWER AND SPEED**
- Propulsion: 2x 324kW 2x 701kW 2x 1,250kW 2x 1,450kW
- Dredge pump diesel engine: 2x 375kW 2x 560kW 2x 940kW 2x 1,250kW
- Jet pump diesel engine: 2x 325kW 2x 500kW 2x 700kW 2x 940kW
- Bow-thrust diesel engine: 2x 400kW 2x 600kW 2x 900kW 2x 1,200kW
- Total installed power: 4,700kW 9,400kW 11,700kW 13,300kW
- Loaded speed: 12.0 knots 12.9 knots 13.7 knots 13.9 knots
- Electrical installation: 1x 148kW 1x 225kW 1x 375kW 1x 560kW
- Emergency diesel generator set: 1x 36kW 1x 65kW 1x 125kW 1x 180kW

**CLASSIFICATION**
- Bureau Veritas I, or Lloyd’s Register
- Hopper Dredger - Unrestricted Navigation
- International mark, approx.: 4.50m 4.40m 4.00m 5.50m
- Depth: 7.50m 19.60m 14.00m 14.00m
- Breadth: 6.50m 5.70m 5.50m 7.30m
- Length overall, approx.: 79.10m 87.25m 87.25m 104.50m
- Length between perpendiculars: 25.0m 27.50m 27.50m 27.50m
- Accommodation (max. with single cabins): 14 persons 26 persons 26 persons 26 persons
- Hopper capacity: 5.90m 6.70m 6.70m 7.30m
- Depth: 2.700m3 3,700m3 3,700m3 3,700m3
- Breadth: 5.90m 6.70m 6.70m 7.30m
- Length overall, approx.: 57.2m 71.75m 81.75m 92.95m
- Length between perpendiculars: 55.25m 70.30m 79.30m 91.00m
- Breadth: 11.40m 14.00m 15.80m 16.30m
- Draught: 4.10m 5.10m 5.10m 4.00m
- Hopper capacity: 1,700m³ 1,700m³ 1,700m³ 1,700m³
- Optional hopper capacity (adding or removing modular midship section): 500-1,000m³ 1,000-2,000m³ 2,000-3,000m³ 2,000-3,000m³
- Accommodation (max.): 10 persons 14 persons 14 persons 14 persons
- Dredging mark: 3.50m 4.00m 4.40m 5.00m
- Deadweight: 1,150 tons 2,400 tons 4,140 tons 5,650 tons

**SAILING DISTANCE [NM]**

**PRODUCTION GRAPH**

**IHC EASYDREDGE® SERIE**

**MEDIUM FINE SAND CYCLE**
- 15m dredging depth at unloading/dumping
- 1,000m shore pumping distance

**SILT CYCLE**
- 15m dredging depth at unloading/dumping