

PRESS RELEASE

Boskalis orders large 31,000 m³ trailing suction hopper dredger from Royal IHC

Papendrecht, 27 October 2023

Boskalis has signed a contract with Dutch shipbuilding company Royal IHC to build a large state-of-the-art trailing suction hopper dredger. The award of the contract follows an extensive design phase. The vessel will have a hopper capacity of 31,000 m³ and will be built at the IHC yard in Krimpen aan den IJssel, the Netherlands, over the next few years.



Artist's impression of the new Boskalis trailing suction hopper dredger

The new vessel will be one of the largest trailing suction hopper dredgers in the Boskalis fleet. Noteworthy features of the energy-efficient vessel design include the full diesel-electric installation and propulsion via Azipods™. These technological innovations, combined with the optimized underwater hull design and an advanced automation system, will contribute to a significantly lower fuel consumption.

The vessel is also being prepared for the use of (green) methanol as an alternative fuel. The methanol plant and storage tanks on board make this switch possible. Furthermore, the dual fuel main engines are equipped with two-stage turbos and can be powered by both conventional fuels and more sustainable alternatives such as biodiesel and methanol, providing for a substantial reduction of CO₂ emissions.

With a double suction pipe equipped with underwater pumps and two discharge pumps with a combined discharge capacity of 15,000 kW, the new trailing suction hopper dredger is well suited to dredging material and discharge this over long distances to a reclamation site. This powerful performance also contributes to increased efficiency of the dredging process.

The new vessel is expected to enter service in mid-2026. Thanks to its advanced design and state-of-the-art technology, this vessel marks a significant step in making Boskalis' dredging fleet more sustainable.

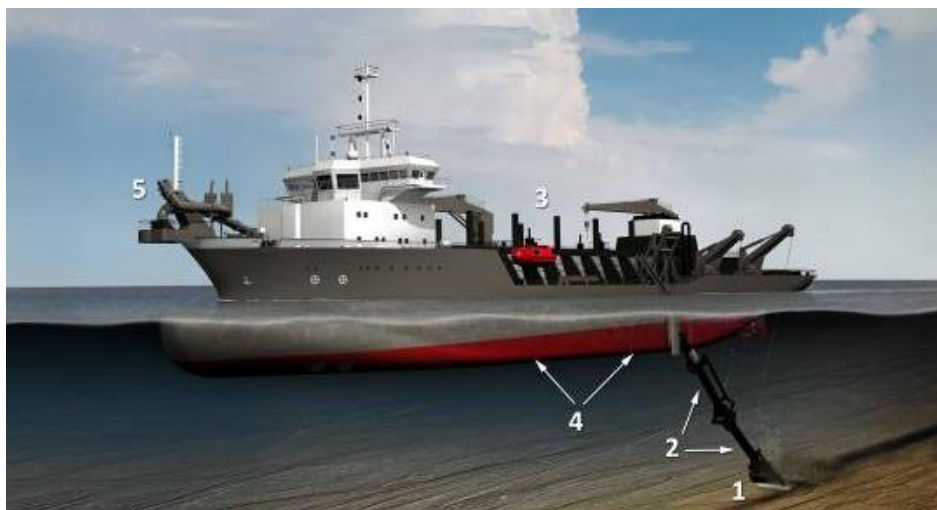
FOR FURTHER INFORMATION

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The working of a trailing suction hopper dredger



A trailing suction hopper dredger is a vessel used to extract and transport sand or sediment by dragging a trailing head attached to a long suction pipe (2) with water jets (1) while travelling over the seabed, as a result of which the material to be dredged is loosened in front of the suction head. Large centrifugal pumps transport the dredged material to the hopper (3) from where it is later deposited (through bottom doors) (4) or discharged (through a pipeline or sprayed - *rainbowed* - across the bow) (5) to a reclamation area. Applications of the hopper dredger include the deepening and maintenance of ports and waterways and protecting coastlines from erosion and the effects of climate change.

FOR FURTHER INFORMATION

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This is an English translation of the Dutch press release. In the event of any disparity between the Dutch original and this translation, the Dutch text will prevail.

Boskalis is a leading global services provider operating in the dredging, maritime infrastructure and maritime services sectors. The company provides creative and innovative all-round solutions to infrastructural challenges in the maritime, coastal and delta regions of the world. With core activities such as coastal defense, riverbank protection and land reclamation Boskalis is able to provide adaptive and mitigating solutions to combat the effects of climate change, such as extreme weather conditions and rising sea levels, as well as delivering solutions for the increasing need for space in coastal and delta regions across the world. The company facilitates the development of offshore energy infrastructure, including renewable wind energy. Boskalis is furthermore active in the construction and maintenance of ports, waterways, access channels and civil infrastructure, thus helping to facilitate trade flows and regional socio-economic development. In addition, Boskalis is a global marine salvage expert and has a strategic partnership in terminal services (Smit Lamnalco). With a versatile fleet of more than 600 vessels and floating equipment and approximately 10,000 employees, including associates, Boskalis is creating new horizons around the world.

This press release can also be found on our website www.boskalis.com.