

**1 February 2016**

PRESS RELEASE

## **DEME orders newest generation trailing suction hopper dredger**

- 'Bonny River' will be trendsetter for coastal protection and dredging hard soils
- Multifunctional deployment thanks to combination of unique characteristics
- Environmental optimisation as key asset: lowest turbidity and dual-fuel engines

**ZWIJNDRECHT | With the order of the 'Bonny River' at Royal IHC, the Belgian dredging, environmental and marine engineering group DEME is investing in a new generation of trailing suction hopper dredgers which will be trendsetting in coastal protection and dredging hard soils. Thanks to the combination of unique characteristics such as an extremely long suction pipe, a large transport capacity with limited depth and an additional heavy duty rock draghead, the multidisciplinary ship can be used effectively in shallow water and in hard soils.**

### **Technological optimisation**

With the 'Bonny River', DEME is responding to the macroeconomic trend of maritime sand extraction at greater depths and further offshore. A long suction pipe with a built-in submersible pump facilitates sand extraction from more than 100 metres deep. Thanks to the hull's optimised design, the 'Bonny River' with its transport capacity of 24,000 tonnes has a limited depth when loaded, making the ship highly suitable for coastal protection assignments, even in regions with shallow beaches.

An additional asset is the second, shorter suction pipe for dredging works on a harder seabed. By equipping the vessel with a 75 tonnes draghead, the 'Bonny River' is multidisciplinary: as a trailing suction hopper dredger the ship can also remove hard soil which wasn't dredgeable in the past.

### **Environmental optimisation**

The 'Bonny River' will be able to minimise the turbidity generated by process water and enables dredging in environmentally vulnerable areas. Moreover, the hydrodynamic hull and the dual-fuel engines (diesel and LNG) ensure further optimisation of the fuel consumption and a minimal CO<sub>2</sub> footprint.

The 'Bonny River' will carry a 'Green Passport' and a 'Clean Design' classification, a certification for owners and contractors which make the conscious decision to build and operate their ships in an environmentally friendly way.

### **Modern and efficient fleet**

The 'Bonny River' - named after the Nigerian river of the same name - is the sixth ship that DEME has on order, besides the multipurpose ship the 'Living Stone', the self-propelled jack-up vessel 'Apollo', the heavy lift crane vessel 'RAMBIZ 4000' and two additional trailing suction hopper dredgers.

The order for the 'Bonny River' has been placed at Royal IHC. The ship will be built by Cosco at its shipyard in Guangdong, China. Cosco is one of the world's largest ship owning and operating companies, as well as a leading shipyard group, building general cargo, offshore and special customised vessels.

## Information

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## Impression 'Bonny River'



## **About DEME**

The Belgian dredging, environmental and marine engineering group DEME is an international market leader for complex marine engineering works.

Driven by several worldwide challenges (rising sea level - scarcity of raw materials - increasing energy demand - reduction of CO<sub>2</sub> emissions - contamination of our waterways and soils), DEME has transformed from solely a dredging and land reclamation company to a worldwide operating multidisciplinary and innovative marine engineering and environmental group.

Building on 170 years of experience and know-how, DEME has organically moved into several related sectors, such as the financing of marine engineering and environmental projects, executing EPC related complex marine engineering projects including civil engineering works, the development and construction of renewable energy projects, providing services for the oil, gas and energy sector, the decontaminating and recycling of polluted soils and sludge, the mining of marine resources (granulates and minerals), etc.

Thanks to an integrated company structure, DEME strongly emerges as a 'global solutions provider' which offers its clients overall solutions. DEME has the most modern, high-tech and versatile fleet.

DEME was named 'Belgian Enterprise of the Year 2015' and has 4,600 employees worldwide. In 2014, the Group achieved a turnover of 2.6 billion euros. [www.deme-group.com](http://www.deme-group.com)

## **About Royal IHC**

In an ever-changing political and economic landscape, Royal IHC enables its customers to execute complex projects from sea level to ocean floor in the most challenging of maritime environments. We are a reliable supplier of innovative and efficient equipment, vessels and services for the offshore, dredging and wet mining markets.

With a history steeped in Dutch shipbuilding since the mid-17th Century, we have in-depth knowledge and expertise of engineering and manufacturing high-performance integrated vessels and equipment, and providing sustainable services. From our head office in The Netherlands and with 3,000 employees working from sites and offices on a global basis, we are able to ensure a local presence and support on every continent.

Dredging operators, oil and gas corporations, offshore contractors, mining houses and government authorities all over the world benefit from IHC's high-quality solutions and services. With our commitment to technological innovation, in which sustainability and safety are key, we strive to continuously meet the specific needs of each customer in a rapidly evolving world.

## **About COSCO**

COSCO Shipyard Group Co., Ltd ("CSG"), founded in June 2001, which is a subsidiary of China Ocean Shipping Company ("COSCO"), is a large enterprise group, specializing in offshore marine engineering, shipbuilding, ship repair and conversion.

CSG consists of large shipyards with ancillary services on bases in Dalian, Nantong, Qidong, Zhoushan, Guangdong, Shanghai and other places. CSG is a leader in the domestic market and enjoys a high profile internationally.