



**DEME**

Dredging, Environmental  
& Marine Engineering

**D.E.M.E. nv**  
Haven 1025 - Scheldedijk 30  
B-2070 Zwijndrecht, Belgium  
T +32 3 250 52 11  
F +32 3 250 56 50  
info@deme.be  
www.deme.be

RPR Antwerpen  
BE 0400 473 705

## PRESS RELEASE

23 September 2011

PB 325

Page 1/3

### **GeoSea (DEME Group) launches DP2 jack-up vessel “Neptune”**

Zwijndrecht – 23 september 2011 – The launch ceremony for the self-elevating heavy-lift jack-up vessel NEPTUNE took place on 23 September 2011 at the IHC Merwede Shipyard in Krimpen aan den IJssel, The Netherlands. This jack up vessel is built by IHC Merwede for GeoSea N.V., the offshore marine construction specialist of the DEME Group of Belgium.

The contract for the detailed design, construction and delivery of the vessel was signed between GeoSea and IHC Merwede on 16 September 2010 and the keel was laid on 25 March 2011. The vessel will be operational in the first quarter of 2012. A short delivery time for this complex, high-tech and unique vessel.

The 60-metre long and 38-metre wide DP2 (dynamic positioning) self-propelled jack-up vessel is equipped with a dedicated 600-tonne crane that is fully integrated into the hull. The Neptune will be perfect for the transport and installation of offshore wind turbines and any other heavy marine offshore structures. Once operational, the Neptune will be provided with a Green Passport, delivered by ABS (American Bureau of Shipping).

On delivery to GeoSea in early 2012, the Neptune will start its first assignment on the Thornton bank off the Belgian coast, where it will perform the installation of the 48 wind turbines for the second and third stages of the C-Power offshore wind farm. Then, the Neptune will move to German waters in the North Sea for the construction of both the Trianel West Borkum II wind farm (45 km north of the East Frisian Island Borkum) and the EnBW Baltic 2 wind farm (32 km north of the island of Rügen).

The new jack-up vessel has been given the name Neptune as this god of the seas represents the universal ocean of oneness with all beings. Therefore, Neptune is strong, unyielding, indomitable, idealistic and imaginative. Neptune is also considered to be a planet of inspiration, dreams and creativity. All these characteristics are an ideal match for GeoSea’s aims and values.

## **Additional information**

### **Main features:**

#### **Hull**

Length 60.0 m

Breadth 38.0 m

Depth 6.0 m

Design draft hull 3.90 m

#### **Legs**

Number 4

Type circular section, diameter 3.50 m

Leg length 92.00 m

#### **Jacking system**

Type GustoMSC hydraulic positive engagement

Drive Electric-hydraulic

Capacity 2750 t preload per leg

#### **Cranes**

600mT Wind Turbine Installation Crane (make Huisman)

10 mt Auxiliary Crane

#### **Propulsion**

Thrusters 4 x azimuthing dismountable thrusters with CPP propellers, 2 aft and 2 forward

Propeller diameter 2,30 m

Drives 4x diesel engine 1.600 kW each

#### **Accommodation**

Accommodation for 60 persons

#### **Class**

ABS for self propelled vessel (IMO MODU Code)

Class notation: ABS +A1, Self Elevating Unit, +AMS, +ABCU, DPS-2, CRC

## **About GeoSea**

GeoSea is a fast growing company specialising in complex offshore maritime projects. The company is part of the Belgian DEME group, a world leader in the field of dredging, marine engineering and environmental operations. GeoSea is active around the globe. At Costa Azul, Mexico, GeoSea recently drilled oversized monopiles, with a diameter of 3 m, in hard rock for the construction of an LNG-terminal. The company also placed the 5 MW turbines required for the first phase of the C-Power offshore wind farm at the Thornton Bank off the Belgian coast. These 316 tonnes turbines were hoisted to a height of 95 metres above sea level. GeoSea already cooperated in the installation of 15 European wind farms at sea, including the Alpha Ventus project in German waters and the Ormonde and Walney wind farms in the Irish Sea. GeoSea's jack-up platforms include Goliath, Vagant, Buzzard, Zeebouwer, Halewijn, Tijn II, and Kobe. GeoSea aims at further strengthening its position in the leading group of companies that specialise in building wind farms at sea. GeoSea business also covers more traditional activities such as soil investigation, drilling of large diameter monopiles amongst others for jetty construction, and high-tech directional drilling as was successfully executed under the wreck of the sunken car carrier Tricolor.

## **About DEME**

The Belgian dredging, environmental and marine engineering group DEME was established in 1991 from the merger between Dredging International and Baggerwerken Decloedt. A global market leader, the Group diversified from dredging operations and reclamation to hydraulic engineering projects at sea, services to the oil and gas companies, wreck clearance, installation of offshore wind farms and environmental activities such as soil remediation, sludge recycling and revalidation of brownfields. The Group owns one of the most up-to-date, highly technological and versatile fleets for dredging and hydraulic engineering, with vessels and ships of all sizes and for any operational area. DEME employs more than 4,000 people, The Belgian Group is implementing more than 70 projects simultaneously in over 50 countries around the world. Its current investment programme in high-tech equipment enables DEME to meet future challenges with an ultra-efficient and modern fleet.

### **Contact:**

**DEME N.V.**

Hubert Fiers

T +32 3 250 52 20

M + 32 475 29 08 29

This information is published as well on the web site [www.deme.be](http://www.deme.be)