DEME
Dredging, Environmental & Marine Engineering

3 July 2018
PRESS RELEASE

Trailblazing cable laying and multipurpose vessel 'Living Stone' enters the industry and doubles cable-laying production rates

With a cable capacity of more than 10,000 tonnes, a cutting-edge cable installation system, dual fuel engines and DP3 capabilities the 'Living Stone' is a true milestone in the industry. This month the 'Living Stone' officially enters service and heads straight for the Hornsea Project One offshore wind farm in the UK.

Marine and offshore engineering specialist Tideway has taken delivery of its DP3 cable laying and multipurpose vessel 'Living Stone', the fastest and most efficient subsea cable vessel in the world. Based in Breda, the Netherlands, Tideway is a subsidiary of the international dredging, environmental and marine engineering group DEME.

'Living Stone' will reinforce Tideway's fleet of multipurpose and fallpipe vessels servicing the global offshore energy market. The 'Living Stone' is engineered with the latest innovations and is a truly flexible vessel. She is a cable layer, trenching support vessel and can also perform rock placement works with a vertical fallpipe system able to reach depths of 1,000 metres.

Cutting-edge cable installation system doubles production rates
The vessel is equipped with two 5,000-tonne cable turntables located below deck. Together the turntables can carry more than 200 km of cable that can be installed in a single trip. Furthermore, the 'Living Stone' can be equipped with a third cable turntable above deck with an additional load capacity of 2,000-tonne and a 600-tonne crane.

The 'Living Stone' has a cutting-edge cable installation system on board, a technology designed by Tideway engineers and built at Shipyard Reimerswaal in the Netherlands. Well aware that the offshore wind industry is keen to reduce costs, Tideway has designed a dual-lane system, consisting of two cable highways – one for laying the cable and one where the next cable can be simultaneously prepared and have the cable protection system (CPS) installed. This significantly reduces the time needed for preparing the cables, minimises the manual handling and risk of damaging the cable, increases the vessel's workability and ultimately, improves production rates.

DP3 and dual fuel
The 'Living Stone' has been designed as an environmentally friendly vessel with dual fuel engines. She has a Green Passport and Clean Design Notation, which is awarded to owners and operators who choose to design and operate their vessels in an environmentally sustainable manner. DEME's newest additions to the fleet are all designed as green vessels equipped with next generation, duel fuel engines capable of running on LNG or diesel fuel, which reduce carbon emissions dramatically, almost eliminating particulate matter, sulphur oxides (SOx) and nitrogen oxides (NOx).

Hornsea Project One in the UK and Modular Offshore Grid in Belgium
After undergoing final outfitting works in the Netherlands, the 'Living Stone' will be heading to her first project in July. The 1.2 GW Hornsea Project One offshore wind farm is the largest wind farm in the world and located 120 km off the Yorkshire coast in the UK. Tideway's installation scope includes laying export cables from three different offshore substations to the shore, as well as the installation of

two interlink cables. Tideway also undertakes the boulder removal, pre-trenching, cable pull-in to the substations, crossing installation and cable burial.

After the Hornsea Project One cable installation works, Living Stone will immediately continue with the cable installation works offshore Belgium for the prestigious Modular Offshore Grid (MOG) project of Elia. With the MOG project, Elia builds an offshore electricity hub for four wind farms to bring its produced energy in the most efficient way onshore. It is the first project of its kind in Belgium and it will create opportunities for the further development of renewable energy in the North Sea.

About DEME
The Belgian dredging, environmental and marine engineering group DEME is an international market leader for complex marine engineering works, providing its clients with integrated, global solutions.

Building on more than 140 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 complex EPC related 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 silts and the harvesting of marine resources, etc.

With a modern, high-tech and versatile fleet, DEME Group has 5,200 employees worldwide and achieved a turnover of 2.37 billion euros in 2017.
www.deme-group.com

For additional information:
Vicky Cosemans - DEME Communications
cosemans.vicky@deme-group.com - +32 496 588 645