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MEDIA CONTACT:

David Owen

davidowen@agendapr.com

+44 (0)7976 703558

REM-B Hydraulics uses Enerpac XC Pump to improve offshore wind turbine base quayside lifting safety

Belgium based, REM-B Hydraulics has developed self-contained, remote-controlled hydraulics powerpacks for connecting and releasing 1000 tonne, 85m high, offshore wind turbine bases during quayside lifting onto a pontoon, for leading international steel construction company, Smulders. Based on a cordless, Enerpac XC-Series hydraulic pump, the hydraulic shackle release powerpack is a safer alternative to dangling long lengths of hydraulic hoses connected to a quayside pump.

Lifting 85m high fabricated turbine bases from the quayside on to a barge for shipping offshore uses shackles to attach the turbine base to a three-point lifting frame and crane. Engaging and releasing the shackles is done using a double acting valve arrangement powered by quayside pump connected by long hoses. Smulders was looking for a simpler and safer method of engaging and releasing the shackles without the need for long hoses.

Attached to each leg of the lifting frame, the REM-B Hydraulics' system removes the requirement for long hoses by using a battery-powered, Enerpac XC pump to operate a bi-directional valve connected to a cylinder that moves the pin connecting the shackle. The entire system is contained in a compact metal case with an external aerial linking each unit to a wireless controller. For increased safety, the shackle pins are activated sequentially.

Weighing 9.9kg, the Enerpac XC-Series hydraulic pump is equipped with an efficient electric motor powered by an industrial grade 28-volt, Lithium-Ion battery, delivering exceptional speed and run time. It is an ideal pump solution for remote outdoor locations.

"The remote controlled powerpack is the ideal solution for lifting and positioning offshore structures, thanks to the power and portability of the Enerpac XC pump," says Sam Briels, Enerpac product specialist, REM-B Hydraulics. "It simplifies the use of hydraulic shackles by removing the need for long hoses as well as improving lift safety."

For more information the Enerpac XC Pump, visit www.enerpac.com.

For more information on REM-B Hydraulics, visit www.rem-b.com.

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Photo 1: REM-B Hydraulics remote-controlled hydraulics powerpacks for lifting 1000 tonne, 85m high, offshore wind turbine bases.

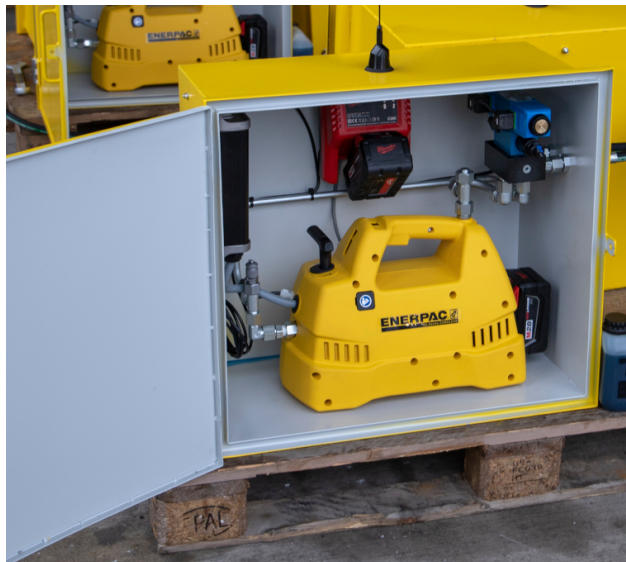


Photo 2: REM-B Hydraulics powerpack showing the Enerpac XC Pump.

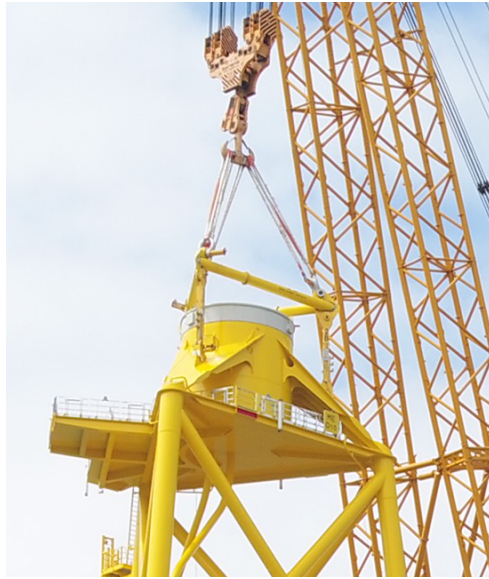


Photo 3: Detail showing the REM-B Hydraulics powerpacks on the three point lifting frame.

About Enerpac

Enerpac is a global market leader in high pressure hydraulic tools, controlled force products, portable machining, on-site services and solutions for precise positioning of heavy loads. As a leading innovator with a 110-year legacy, Enerpac has helped move and maintain some of the largest structures on earth. When safety and precision matters, elite professionals in industries such as aerospace, infrastructure, manufacturing, mining, oil & gas and power generation rely on Enerpac for quality tools, services and solutions. For more information, visit www.enerpac.com.

Media Contact: David Owen, Agenda PR, davidowen@agendapr.com, Phone: +44 7976 703558.