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**TRELLEBORG SUPPLIES BESPOKE FLOATOVER TECHNOLOGY FOR HARSH BURMA SEAS**

Trelleborg Engineered Products has supplied a range of bespoke designed floatover technology to the Saipem Zawtika project in Burma, to cater to the harsh offshore environment.

Trelleborg provided four of its Deck Support Units (DSU) and four Leg Mating Units (LMU), which were manufactured with a larger compression design to cope with waves of over two to three meters; a conventional LMU would be designed to have a stroke or displacement measurement of 500mm, while this bespoke solution measured 600mm.

Andrea Pellegrini, Engineering Manager at Saipem, comments: “As offshore environments become more challenging, it is vital that any product used at sea guarantees performance even under the harshest of strains. Trelleborg confidently met our need for a support system which would ensure a smooth floatover operation and provide assurance for the long term. As a result of the company’s tailored approach, we have enjoyed optimum performance from the transfer system, from day one.”

Julian Wee, Managing Director at Trelleborg Offshore and Construction adds:

“Our clients require diverse levels of customization, and the innovative polymer and engineering solutions we provide them are designed specifically to meet their technological and challenging needs. Installation windows are small and the actual mating process has to be controlled and executed precisely in long swell condition.  Any failure in the LMU assembly system will result in tremendous damage to the topside and jacket legs.  For this reason, all of our LMU systems are tested to the actual specified loads, validating design specifications.”

LMUs consist of steel structures incorporating engineered elastomeric pads and they make a floatover transition possible, by dampening the forces created as the topside’s load is transferred to the jacket. The elastomeric pads are designed to take up the static and dynamic forces of the topside structure, as well as the horizontal forces due to open sea

motions during the float-over mating operation. The assembled LMU can be installed either on the topsides or jacket.

DSUs are also important components for safe float-over operations. The topside is loaded onto the vessel with a deck support frame and the DSUs are then placed between them to absorb the weight of the topside. This enables the LMUs and DSUs to work together in synchronization during the installation phase; when the heavy vessel starts to ballast, decompression will occur on the DSUs and vertical compression will occur on LMUs.

For additional information regarding these products, please visit our website at [Trelleborg Engineered Products.](http://www.trelleborg.com/en/Hercules/)

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### Notes to Editors:

### Trelleborg Singapore and Trelleborg Group

### Established in 1967, Trelleborg Singapore is part of the Offshore and Construction business area of Trelleborg Group. The company delivers best-in-class, quality products and expertly engineered solutions for the oil & gas, petrochemicals, infrastructure and construction industries. Product solutions include float-over mating hardware, jacket leg-can and load transfer systems, FPSO/FLNG bearings, corrosion and fire protection, and rubber lining. Trelleborg Singapore’s rigorously tested engineered solutions are proven to enhance performance and reputations for customers around the world <http://www.trelleborg.com/singapore>.

### Trelleborg is a world leader in engineered polymer solutions that seal, damp and protect critical applications in demanding environments. Its innovative engineered solutions accelerate performance for customers in a sustainable way. The Trelleborg Group has annual sales of about SEK 21 billion (EUR 2.5 billion, USD 3.3 billion) in over 40 countries. The Group comprises five business areas: Trelleborg Coated Systems, Trelleborg Industrial Solutions, Trelleborg Offshore & Construction, Trelleborg Sealing Solutions and Trelleborg Wheel Systems. In addition, Trelleborg owns 50 percent of TrelleborgVibracoustic, a global leader within antivibration solutions for light and heavy vehicles, with annual sales of approximately SEK 15 billion (EUR 1.7 billion, USD 2.3 billion) in about 20 countries. The Trelleborg share has been listed on the Stock Exchange since 1964 and is listed on NASDAQ OMX Stockholm, Large Cap. [www.trelleborg.com](http://www.trelleborg.com).