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Improving Riser Safety with Composite Buoyancy

Landing String Solutions LLC signs agreement with Trelleborg's offshore operation for Trelleborg to manufacture its patented landing string buoyancy system featuring 100% composite materials. Through this agreement, both companies are aiming to market the solution to a wider customer base globally.

Chris von Eberstein, Vice President, Landing String Solutions LLC, says: "Trelleborg's offshore operation did an excellent job qualifying the materials for the landing string buoyancy application and manufactured the first system for us, which was successfully deployed in the Gulf of Mexico. We decided to continue working with Trelleborg based on the success of the first system in addition to their global brand recognition and high quality manufacturing processes. We are looking forward to working together to aggressively promote the system and encourage implementation in the market."

Antony Croston, Business Group Director with Trelleborg's offshore operation in Houston says: "We strive to enhance the business performance and competitiveness of our customers and are delighted to continue our agreement with Landing String Solutions. It builds on an existing relationship where Trelleborg augmented Landing String's vision and qualified a range of nonmetallic materials to operate in drilling fluids through a range of pressures in combination with high temperatures experienced in drilling operations. This included clamp components as well as protected buoyancy elements. The Landing String Solutions full system was deployed successfully in 2016, proving the robust nature of the design and delivering the anticipated results. Our new agreement opens up opportunities for us to work together to maximize awareness and expand this exciting new market."

Landing string buoyancy enables drilling contractors to deploy longer heavier casing and other downhole tubulars, reducing rig time, maximizing efficiencies and lowering costs. Depending on well design, the system may even eliminate a tieback step, resulting in multimillion dollar savings per well. The buoyancy system is designed to offset the landing string weight by up to 80% in some cases and enables safer and more cost-effective deep-water oil and gas operations.



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For press information:

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Notes to Editors:

Trelleborg's offshore operation and Trelleborg Group

Using advanced polymer material technology, Trelleborg's offshore operation provides high integrity solutions for the harshest and most demanding offshore environments. As part of the Trelleborg Offshore & Construction Business Area of Trelleborg Group, **Trelleborg's offshore operation** specializes in the development and production of polymer and syntactic foam based seismic, marine, buoyancy, cable protection and thermal insulation products, as well as rubber-based passive and active fire protection solutions for the offshore industry. Within its portfolio are some long established and respected brands including, CRP, OCP, Viking and Emerson & Cuming. Trelleborg's offshore operation has been providing innovative solutions to the industry for over 30 years. www.trelleborg.com/offshore

Trelleborg is a world leader in engineered polymer solutions that seal, damp and protect critical applications in demanding environments. Its innovative solutions accelerate performance for customers in a sustainable way. The Trelleborg Group has annual sales of SEK 31 billion (EUR 3.23 billion, USD 3.60 billion) and operations in about 50 countries. The Group comprises five business areas: Trelleborg Coated Systems, Trelleborg Industrial Solutions, Trelleborg Offshore & Construction, Trelleborg Sealing Solutions and Trelleborg Wheel Systems, and the operations of Rubena and Savatech. In addition, Trelleborg owns 50 percent of Vibracoustic, the global market leader within antivibration solutions for light and heavy vehicles. The Trelleborg share has been listed on the Stock Exchange since 1964 and is listed on Nasdaq Stockholm, Large Cap. www.trelleborg.com.