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Offshore

i n d u s t r y

OTC 2016

A PREVIEW

BORSSELE I AND II

A WIN-WIND SITUATION

Remote Welding Habitat

NEW REPAIR CAPABILITY FOR OFFSHORE PIPELINES



Seamotion: How To Stay Between The Lines

SIRI Marine, located in Appingedam in the Netherlands, has clients in diverse sectors, from the offshore industry to worldwide transport, and from wind energy to salvage. The company is specialized in measuring, visualising and analysing motion and the forces that influence such motion.

SIRI Marine recently introduced the new Linux-based BlackBox Data Logger. It combines data acquisition functionality with powerful data-processing capabilities. Different input protocols can be programmed to support a wide range of sensors. The JF40 MRU is an inertial measurement unit for high-accuracy measurements. Its robust design in combination with the rugged stainless-steel enclosure ensures reliable operation in the most hostile of marine environments. Marleen Lenting, Account Manager and daughter of Managing Director/founder Albert Lenting, talks about the new BlackBox Data Logger.

Ease And Accuracy

Ms Lenting: "Our link with the offshore industry is multi-sided. On the one hand we monitor tow transports – the placing of jack-ups, topsides, etc. A PC on the bridge of the towing vessel, equipped with an alarm, tells the captain whether his vessel stays within the maximum-set accelerations. Secondly, we perform long-term condition monitoring on platforms and rigs in order to check the lifecycle and solidity of the platform. For both branches our devices are highly suitable."

Ms Lenting adds: "We started making motion sensors some fifteen years ago and have developed them further ever since. The BlackBox Data Logger is a device to which our own motion sensors can be connected, but also additional equipment such as GPS, wave meter, wind meter, tide meter, etc. This makes the processing of the data much easier and far more accurate." She further explains: "We have taken the calculating capacity out of our MRUs and integrated it into the BlackBox Data Logger, allowing our MRUs to run on a low power supply. When connecting different types of sensors and other equipment all data get the same time stamp, making post-processing easier and more accurate. The entire set-up, a small box on the bridge of the vessel, has all data streams put together for storage and processing, and this can be visualised on screen through our own software. All recorded data can also be analysed somewhere else at a later stage." The BlackBox Data Logger is available as a stand-alone unit, in combination with the SIRI MRU, or as part of the SIRI service package. It will be officially launched at OTC 2016.

i. www.sirimarine.com

