

Ship & Offshore

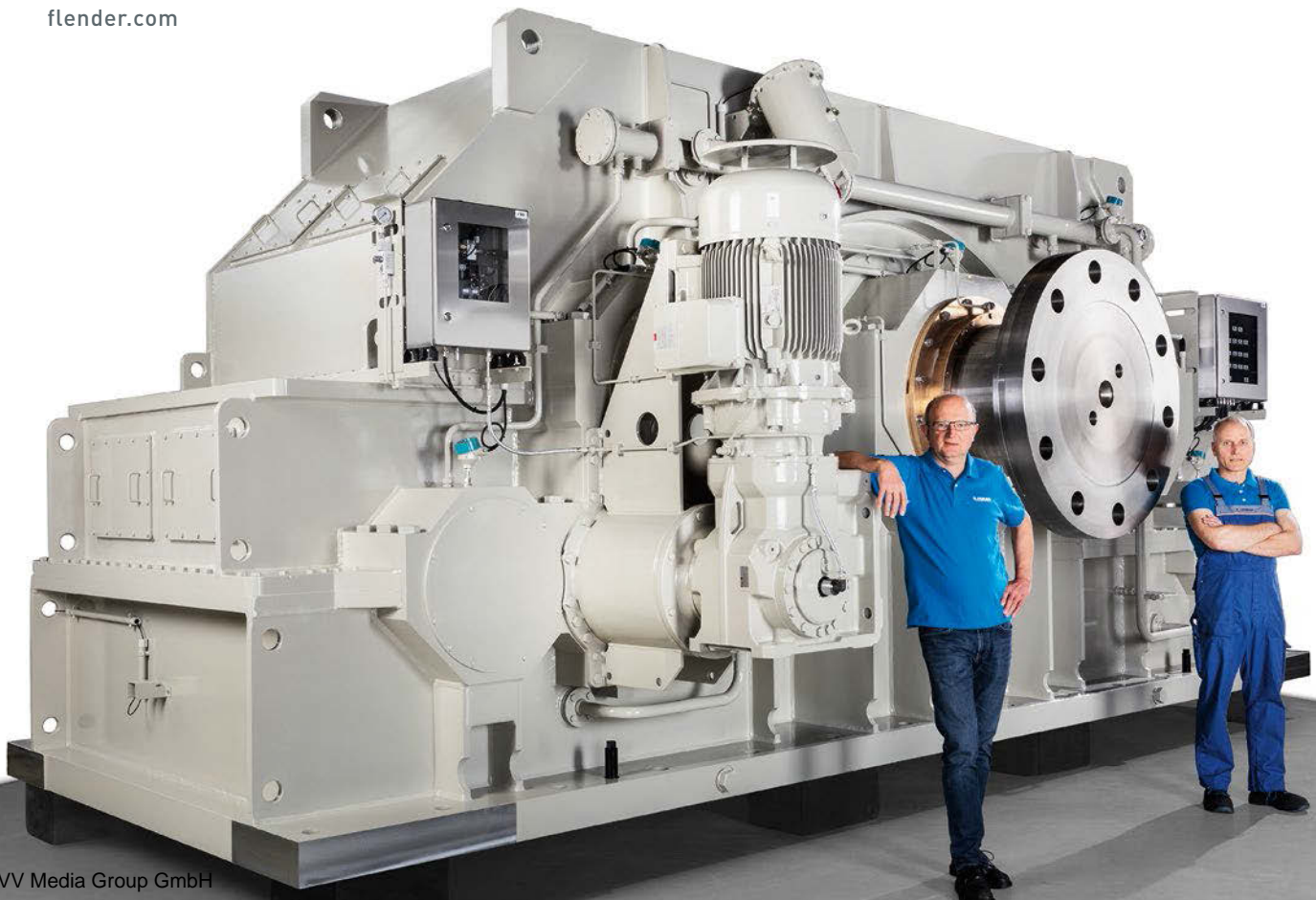
THE INTERNATIONAL PUBLICATION FOR OFFSHORE & MARINE TECHNOLOGY

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New float-free EPIRB sets new standards

EMERGENCY LOCATION | UK-based Ocean Signal has launched a new emergency position indicating rescue beacon, SafeSea EPIRB1 Pro, which is about 30% smaller than other units, has a ten-year battery life and a price that makes it one of the most affordable EPIRBs on the market, the company claims. The float-free unit releases automatically from its Category 1 Auto Deploy Bracket once submerged in water as a vessel founders and, when floating on the surface, transmits a distress message to relevant search and rescue authorities.

The unit, weighing only 422g, is 178mm high, 89mm wide and 100mm deep. It operates on the three-system Cospas-

Sarsat satellite-based search and rescue intergovernmental cooperative based in Montreal, and will use the latest generation of Meosar medium-earth orbit satellites which are designed to pick up distress signals in almost real time and with greater accuracy. Using this network will provide beacon location accuracy to within 100m within five minutes of the distress signal 95% of the time.

The SafeSea EPIRB1 Pro provides location data in three ways – through an integrated 66-channel GPS receiver; with a 121.5 MHz homing beacon; and by a powerful LED strobe light to provide maximum visibility in poor light. Once activated, the EPIRB transmits

location and unique user ID information via satellite to a Rescue Coordination Centre for transfer to appropriate rescue services. It can operate for 48 hours across a temperature range from -20°C to 55°C and is waterproof to 10m.

Ocean Signal managing director, James Hewitt, commented: “Ocean Signal has a heritage of launching the world’s smallest maritime safety products into the market, so we are excited to continue that heritage on to IMO vessels required to have a float-free EPIRB. With a competitive price and the latest in EPIRB technology packaged inside the world’s smallest float-free EPIRB, it’s the perfect solution for both recreational and commercial vessels



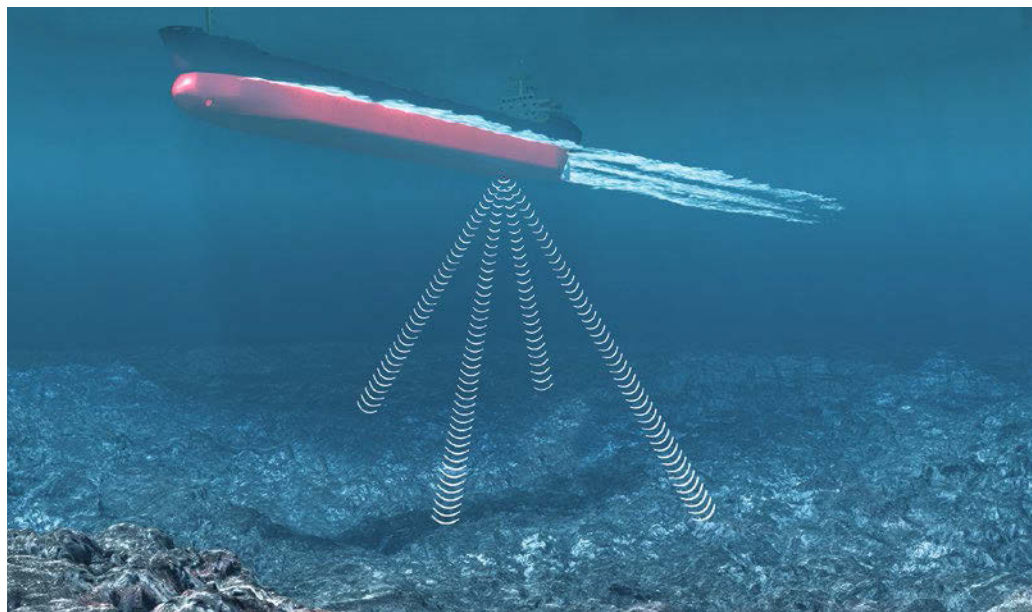
Source: Ocean Signal

The Ocean Signal SafeSea EPIRB1 Pro

who are looking for the peace of mind of a safer journey, whether it is required or simply to improve onboard safety.”

High-accuracy maritime speed log

NSL500 | Norwegian oceanographic instrumentation specialist Nortek has announced the launch of a new Doppler speed log to ensure accurate measurements of vessel speeds even in challenging conditions at sea. The Doppler-based Nortek Speed Log 500 kHz (NSL500) has been developed in close collaboration with the maritime industry, the company said. It carries integrated sensors to correct for temperature, draught, pitch and roll. Advanced algorithms then adjust measurements based on these parameters to ensure accuracy, Nortek stated. The NSL500 measures speed through water, speed over ground and distance, and provides temperature and current profiles, enabling owners to plan routes for better fuel efficiency, it added. According to the manufacturer, the speed log has achieved accuracy of



The Nortek speed log applies the Doppler principle to measure speed through water with the help of its four beams

Source: Nortek

around 0.5% consistently, even while sailing on the open ocean with varying wave and

weather conditions. Nortek’s speed log is DNV GL and IMO approved.