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TIDELAND WARNING SYSTEMS FOR SAIPEM'S SCARABEO 8

Tideland Signal has supplied Saipem with a comprehensive package of Syncrolan warning systems for its Scarabeo 8 semi-submersible drilling rig destined for deployment in the Goliat field off northern Norway, the world's most northerly oil field.

The warning systems comprise two Syncrolan light stations, two subsidiary lights, a Syncrolan fog station and a central control/monitor panel. Tideland's Syncrolan light stations combine an ML-300-SL-400-EX main light and FLMC-4 multi-code flasher fitted with 400W dual filament lamps to achieve a range of 15Nm. The ML-300 secondary lights have a range of 10Nm and are equipped with TF-3B MicroPower Omnibus II automatic six-place lampchanger. The light stations are wired to a back-up battery system, capable of powering the warning systems for 96 hours in the event of a mains power failure.

In this particular installation the fog signal is an AB-560 fog array with a side-mounted ECU 645 control unit to limit the overall height of the installation. Tideland's AB-560 fog signal incorporates five drivers/emitters producing 133.2 dB at 1 metre equivalent and broadcasting a 360° sound beam in the horizontal plane. The drivers/emitters are housed in robust GRP casings and are mounted in a galvanised steel structure designed to withstand severe storms. Operating at less than 25% of rated capacity results in exceptional efficiency and life expectancy.

There are also two subsidiary Tideland ML-155 beacons fitted with TF-3B MicroPower Omnibus II and showing a red light.



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Scarabeo 8 is a semi-submersible drilling rig of the Moss CS 50 MKII type and one of the largest facilities of its kind. The hull was constructed at the Sevmash shipyard near Arkhangel'sk, Russia and is being fitted out at Fincantieri in Palermo, Sicily. It can operate at depths down to 10,000 ft. and drill to about 30,000 ft. Scarabeo 8 is contracted to work for ENI Norway, operators of the Goliat Field, and has to be specially reinforced to withstand the harsh conditions of the Barents Sea.

Approved to ISO 9001:2008, Tideland Signal Limited is a British-based member of the Tideland group of companies, which specialises in aids to marine navigation. The Tideland group is independently owned and has its headquarters in Houston, Texas.

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