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## **Tideland warning systems for Saipem in Olowi offshore field**

Tideland Signal has won a fast-track contract to supply navigational warning systems to Saipem for the wellhead towers and platforms of the Olowi oil field off the coast of Gabon.

The three platforms will each be marked by two 10 mile lights and a fog signal with a range of 2 NM, monitor/alarm panel, solar panels and battery boxes, all skid-mounted and certified for use in Zone 1 hazardous applications.

Both lights are provided by Tideland's ML-300 EX lanterns, a lightweight, corrosion-resistant design featuring a one-piece acrylic Fresnel lens capable of achieving up to 7,288 candela. The lanterns are equipped with Tideland's LC6EX six-place flasher/lampchanger equipment, which provides up to 256 user-selectable flash codes and maintains constant lamp power over a wide range of input voltages in order to conserve battery power and maximize lamp life.

The Tideland AB-68 EX fog signal incorporates six drivers/emitters producing 133.4 dB at 1 metre equivalent and with a usual range of two miles. It broadcasts a 360° sound beam in the horizontal plane, with a pre-selected code. The drivers/emitters are housed in manganese bronze enclosures and are mounted in a stainless steel structure designed to withstand severe storms and harsh marine environments. They operate at less than 25% of rated capacity, which results in exceptional efficiency and life expectancy. An additional safety feature is that the signal can be heard over half a mile even with only two emitters working.

The contract to develop the Olowi field was awarded by CNT International (Olowi) Ltd. a subsidiary Canadian Natural Resources Ltd. The field, which is 18 km off the coast of Gabon and 400km south of Libreville, will be developed by Saipem from the second quarter of 2009, using three wellhead towers and one conductor support platform tied back to the FPSO. Saipem's contract covers engineering, procurement, construction, installation, hook-up and commissioning of the fixed portion of the Olowi production

# NEWS

Tideland Signal



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facilities as well as the installation of of an interconnecting sub-sea pipeline, riser and umbilical systems between the wellhead towers and the FPSO.

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

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**Issued on behalf of Tideland Signal Limited, Kendal House, Victoria  
Way, Burgess Hill, Sussex, RH15 9NF, UK.**

**Tel: +44 (0) 1444 872240. Fax +44 (0)1444 872241. E-mail:**

**[sales@tidelandsignal.ltd.uk](mailto:sales@tidelandsignal.ltd.uk)**