



7 June 2010

TIDELAND AUTOMATIC IDENTIFICATION SYSTEM FOR WEST BUKHA PLATFORM

Tideland Signal has supplied a Tideland AIS AtoN (automatic identification system) for RAK Petroleum's West Bukha platform, which is located at a busy international crossroads in the Straits of Hormuz where very few aids to navigation are deployed.

The platform's operators wanted a straightforward and cost-effective system that could be implemented quickly and easily. The solution was Tideland's Informer V-03 Type 1 AIS AtoN, which is designed for installation on offshore structures and buoys, beacons, light ships and lighthouses. The information it broadcasts, including its name, type, MMSI number and virtual target flag, can be received by all AIS-fitted vessels and will be displayed either visually or alpha-numerically and in real time on any AIS-enabled electronic chart or radar screen.

Tideland has also supplied a receive-only base station for West Bukha, which will detect all AIS-equipped vessels in the area and display the data on a screen. In addition, there is a Tideland Smart Display system (TSD) located in the operator's onshore control room, which provides a clear image of shipping in the vicinity of the platform.

Informer V-03 Type 1 AIS AtoN can be fully integrated into Tideland's NavLink remote monitoring and control system or a Tideland AIS coastal or port network. The unit is also capable of remote monitoring and uses less than 2 Ah/day when broadcasting at the IALA-recommended rate, making it highly suitable for solar-powered aids to navigation. In addition to identifying offshore structures and aids to navigation, the system can be used for marking tracks, routes, areas and limits, including traffic separation schemes. It can also provide data on weather, tides and sea states when integrated to suitable sensors.



Tideland's Informer V-03 Type 1 AIS AtoN fitted on RAK Petroleum's West Bukha platform.

West Bukha lies in Oman's Block 8, 25 km from the Musandam Peninsular. First discovered in 1976, the field exports 10,000 bpd of oil and 30 million cu. ft. of gas through a recently installed six-slot unmanned platform. Production is tied through a



7 June 2010

sub-sea multi-phase flow line to the nearby Bukha production platform. Combined output from the two fields is then transported through a 33 km. flow line for processing onshore at RAK Petroleum's Khor Khwair plant.

RAK Petroleum PCL is registered in the Free Trade Zone of the Emirate of Ras Al Khaimah and is operator of eight other blocks located in the Sultanate of Oman and in the United Arab Emirates, of which six are in the exploration phase and two are undergoing appraisal for possible redevelopment. The company's subsidiary, RAK Petroleum Oman Limited, is the operator of Block 8 with a 40 percent participating interest, with LG International Corporation of Korea holding a 50% participating interest and UK-listed Heritage Oil Limited holding the remaining 10%.

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.

– END –

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