



## TIDELAND CONVERTS FIFTH GHANAIAN LIGHTHOUSE TO SOLAR POWER

Tideland Signal Limited has supplied a solar-powered rotating beacon kit to the Ghana Ports and Harbours Authority to automate the historic lighthouse at Jamestown, Accra.

This is Tideland's fifth lighthouse conversion contract along Ghana's 335 mile coastline. Tideland TRB-400 rotating beacons, ML-300 lanterns and 15 metre GRP towers were supplied in 2005 for the deep-water port of Takoradi and for the lighthouses at Axim (Bobowasi Island), Cape Three Points and Sekondi (Fort Orange).

The Jamestown lighthouse will be fitted with Tideland's TRB-220 rotating beacon, solar regulator, 20W solar array and mounting kit charging two 12V batteries. This system produces a range in excess of 16 nautical miles at this installation.

TRB-220 MaxLumina is a medium-range beacon specifically designed for lighthouse applications and conversions and producing a high intensity beam for ranges up to 20Nm. An LED Flasher, MaxiHALO-60RB, is also available as an option in this beacon for ranges up to 12Nm either for new equipment or as a drop-in retrofit into existing installations bringing the immediate benefits of LED technology.

It features an ultra-efficient optical system with the lens panel moulded in UV-resistant acrylic. The sealed upper housing is suitable for use with an LED Flasher or lamps up to 110 watts, without the need for cooling fans or venting, which eliminates any problems of moisture damage.

The drive system is an advanced gearless direct-drive motor with a choice of AC or DC power input and is also suitable for solar-powered operation. The direct drive turntable has precise, user-selectable speed control and a motor design life of 25 years. Both the drive system and TRB-220's lampchanger units include built-in facilities for remote monitoring, either by radio, satellite or telephone, using the Tideland NavLink system.

Jamestown, the oldest neighbourhood of Accra, is now a busy fishing port. It grew up around the original British settlement and fort, which is still in existence, along with the old Customs House. The lighthouse was originally built in 1871 although the present stone structure dates from the 1930s.



Tideland's solar-powered  
TRB-220 rotating beacon

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.

- ENDS -