



## **Tideland tower beacons for Ghana**

Tideland Signal Limited has won a contract to supply tower-mounted beacons to mark the entrance to Tema harbour near Accra on the coast of Ghana.

There are six towers in total, two of 15 metres and four of 6 metres. The 15m towers are installed in the Tema main harbour and the 6m tower in the smaller fishing harbour. All the beacons are solar-powered and fitted with Tideland MI-300 lanterns. In the case of the main harbour, one of the towers also carries a Tideland SeaBeacon 2 System 5 racon.

The towers are made of GRP and are equipped with a solar-powered ML-300 lanterns and batteries. The towers for the main harbour are 15 metres in height and those for the fishing harbour six metres. Tideland's ML-300 lantern is a lightweight, corrosion-resistant design featuring a one-piece acrylic Fresnel lens with a range of 10 nautical miles in this installation. The lanterns are equipped with Tideland's TF-3B MicroPower Omnibus II flasher/lampchanger equipment, which incorporates a timer circuit card to permit input voltages up to 36V and provides up to 256 user-selectable flash codes.

SeaBeacon 2 is an advanced, microprocessor-controlled racon capable of receiving both X and S-band signals. A remote keypad control allows operators to monitor the racon's performance and, without opening the housing, to fine-tune its operating character to suit local conditions.

SeaBeacon 2 can respond simultaneously and with a unique level of frequency accuracy to the radars of any number of vessels within line-of-sight range, even those with very narrow receiver bandwidths. The design gives operators an exceptionally clear indication of its identity and location and proportional scaling ensures that the racon trace remains clearly visible on radar displays regardless of the range scale selected.

The towers will be built in the UK and shipped in sections for simple in-situ assembly. They are equipped with internal steel ladders, access doors, battery racks and lightning conductors

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

# NEWS

June, 2004

Tideland Signal  
Corporation



**ENDS**

**Issued on behalf of Tideland Signal Limited, Tideland House, 15-19 Trowers Way, Redhill, Surrey RH1 2LH. Tel: +44 (0) 1737 768211. Fax +44 (0) 1737 768192. E-mail: sales@tidelandsignal.ltd.uk**

**By David Sommerlad, Grafton House, North Hills, Brill, Bucks. HP18 9TH. UK. Tel: +44 (0)1844 238352. Fax: +44 (0)1844 238464.**