



## Tideland buoy-mounted AIS for Port of Barcelona

Against strong international competition, Tideland Signal Ltd recently won the public tender to supply its **Informer V03 AIS** (automatic identification system) to Barcelona Port Authority for installation on four of the port's most important buoys in order to improve identification by mariners and to make it easier to service the equipment.

Under the contract Tideland is supplying four AIS units together with all accessories necessary for their installation on the buoys and a training programme for the five Port Authority engineers, who will be responsible for operation and maintenance. The training has involved the actual installation and commissioning of the first AIS AtoN on one of the buoys.

Tideland's **Informer V03 AIS** system is the first designed specifically for installation on aids to navigation, and capable of full integration into port or coastal AIS networks. It broadcasts its name, type and MMSI number, virtual target flag and, in the case of moored aids, a warning if it goes off station. This information is received by all AIS-fitted vessels as well as land stations and is displayed graphically and in real time on any AIS-enabled electronic chart or radar screen.

The **Informer V03 Type 3** units have been installed on the two fairway buoys and the first pair of lateral-mark buoys that mark the initial southern entry to Barcelona Port. There has been no need to enlarge the buoy solar power system, thanks to **Informer's** low consumption and the generous solar power provision existing on the buoys.

Barcelona, one of Spain's busiest ports, plans to install a new AIS base station in the future. Consequently, the port authorities chose Tideland's **Informer V03 Type 3**, a transmit and receive unit, which allows integration into a high AIS traffic environment without the need for slot management by a base station.

Approved to ISO 9001:2000, Tideland Signal Limited is a British-based member of the Tideland group of companies, which specialises in the design and manufacture of aids to marine navigation. The Tideland group is independently owned and has its headquarters in Houston, Texas.

**For additional information regarding Tideland Signal Corporation, Aids to Navigation, and VTS and AIS solutions please contact Clive Quickenden at +713-681-6101.  
cwq@tidelandsignal.com  
www.tidelandsignal.com**