



Tideland aids to navigation for island in the Gulf

UAE-based marine specialist, Safe Sea Services has installed Tideland Signal's self-contained, solar-powered lanterns, buoys and breakwater lights to guide vessels into a small harbour in the south eastern corner of Sir Abu Nu'ayr Island, 80 km offshore from Abu Dhabi.

Sir Abu Nu'ayr , which belongs to the Emirate of Sharjah, is approximately 4 km across and is almost completely round in shape. It has an airstrip as well as the harbour and there are known to be extensive offshore hydrocarbon deposits in the area, which are being explored by Crescent Petroleum, through its subsidiary, Sharjah Petroleum Company Inc.



There are three Tideland SB-138P polyethylene buoys marking the approach to the harbour, supplied complete with mooring systems and MLED-120SC MaxLumina self-contained, solar-powered lanterns. The lanterns combine two LED arrays and a DA-65 flasher control with four solar modules and sealed lead acid batteries in a robust, unitized polyethylene housing. Reliable, cost-effective and simple to install , they combine high opto-electrical efficiency with minimal maintenance - even under harsh operating conditions.

The Tideland SB-138P is a rotationally moulded polyethylene buoy with a solid core of expanded polystyrene foam that prevents significant ingress of water in the event of a

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Tideland Signal



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puncture. In addition, the buoy is unsinkable, corrosion-resistant and resists marine growth, while the outer skin is permanently self-coloured and never needs painting.

The breakwaters are marked by red and green SolaMAX 155/6 self-contained lanterns in which six integral solar panels charge a sealed lead acid battery via a solar regulator. All the internals, including the long-life LEDs and high-integrity electronics, are contained within a tough UV-resistant polycarbonate enclosure, which only needs to be opened after five years operation, when it is recommended to change the battery.

The lanterns are fitted with MaxiHALO 60 LED flasher controllers with 256 user-selectable flash codes. A high-efficiency DC to DC converter is incorporated, providing virtually constant luminous output under a wide range of input power conditions. Tideland Signal also offers a range of options with its LED lanterns, including GPS synchronisation, GSM modem reporting and VHF remote programming.

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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