



Special Tideland buoys for new Doha port

Tideland Signal, the international specialist in aids to marine navigation, has supplied two specially modified SB138P buoys to the new port of Doha, Qatar, which is due to open early in 2116.

The buoys have been modified by Safe Sea Services, Tideland's associate company in the Gulf, to accommodate data logger equipment supplied by YSI Nanotech to record water quality, as the environmental impacts of the project are a major priority for the developers, Qatar Port Management Company. YSI, which deployed the buoys, selected Tideland's SB138P mainly due to its flexible and rugged design, light weight and low long-term maintenance cost.

Tideland's SB-138 polyethylene buoys were supplied complete with twin-leg mooring system designed by Safe Sea Services and SolaMAX-155 self-contained marine



Tideland's SB-138P buoy for the new port of Doha, Qatar will be fitted with SolaMAX-155 self-contained marine lanterns and specially modified to run data logger equipment supplied by YSI.

lanterns fitted with the MaxiHALO-60 LED flasher. The modifications included fitting a 12v solar system to run the data logger equipment supplied by YSI.

The SB-138 buoys are manufactured from rotationally moulded polyethylene in UV-stabilized, self-coloured polymer with a solid core of expanded polystyrene foam. They are virtually unsinkable as the integral foam core will prevent excessive water ingress in the event of a collision. In addition to offering a planned service life of up to 20 years, low maintenance requirements, reduced weight and exceptional resistance to damage and marine growth, the buoy may be fully recycled at the end of life.

For additional information regarding Tideland Signal Corporation, Aids to Navigation, and VTS and AIS solutions, please contact Anish Prabhakaran at +971 4 88 55 842 ,
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The new Doha Port, which will be located on a 20 square kilometre site north of Mesaieed and south of al Wakra is designed to cope with the growth in imported raw materials and goods required by Qatar's rapid expansion. Designed to the highest standards, the new facilities are positioned to maximize the synergy with future industrial areas and economic zones, as well as the existing industrial city of Mesaieed. As the existing port has reached its maximum capacity, its operations will gradually be transferred to the new port.



An artist's impression of the new port of Doha, Qatar, which is due to open early in 2116.

The location of the new port is close to environmentally sensitive coastal areas and the government of Qatar has committed to minimizing the environmental impacts of the project, both during construction and the subsequent operation of the port. Environmental-impact assessment studies form an integral and important part of the project, and these studies will be used to define, specify, and implement appropriate mitigation measures through all stages of the project.

The SolaMAX-155 lanterns mounted on the Tideland buoys are a compact lightweight design featuring integral solar panels which 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 and will even withstand being temporarily submerged in salt water. The only time the lantern needs to be opened would be to change out the battery, recommended after 5 years operation.

Founded in 1954, Tideland Signal Corporation is committed to meeting and exceeding the requirements for marine aids to navigation to the maritime industry.

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