



Tideland Buoys and Lanterns mark Dubai's new LNG Facility

Tideland has been chosen to supply all the warning lights and buoys for the new DUSUP (Dubai Supply Authority) floating LNG re-gasification facility at the DP World Jebel Ali Terminal in Dubai.

The facility will be protected by five special marker buoys, three fixed navigation beacons installed on the breakwaters and six beacons equipped with Tideland's newest MLED-150EX lanterns installed on the LNG wharf.

The latter are certified for use in Zone 1 Hazardous Areas and are fitted with the high-performance MaxiHALO-150 LED flasher, which has been developed from the proven MaxiHALO-60 unit. All equipment was commissioned by Safe Sea Services, part of the Tideland group.

The buoys are Tideland's SB-138 polyethylene units complete with mooring equipment and SolaMAX-140/6 self-contained marine lanterns fitted with the MaxiHALO-60 LED flasher. The breakwater beacons, also solar-powered, are Tideland's MaxLED-200 MaxLumina lanterns, supplied complete with solar arrays, maintenance-free batteries/battery boxes and mounted on 2 metre galvanized steel stanchions.



A red SB-138 polyethylene buoy ready for deployment.

The MaxLED-200 is one of a range of compact, long-range LED lanterns offering a range in excess of 8 nautical miles in this application and yet weighing only 10.5 lbs (4.8

For additional information regarding Tideland Signal Corporation, Aids to Navigation, and VTS and AIS solutions, please contact Jeff Rosner at +1 713 681 6101, jeffr@tidelandsignal.com.

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kg). Proprietary Tideland optics, together with proven high-intensity LED technology and power conditioning circuitry provides extremely high reliability and long service life.

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.

This is the latest in the long list of Tideland's LNG installations around the world. Other recent examples include the port at Soyo in the north of Angola, India's Dabhol Port, Milford Haven in the UK, the Burrup Peninsula terminal near Karratha in Western Australia and Yemen's new LNG terminal at Balhaf, on the Gulf of Aden. One of the company's earliest installations was the Atlantic LNG plant, Trinidad and Tobago.

DUSUP's floating LNG re-gasification facility is designed to supplement the Emirate's existing supplies of natural gas during summer peak demand. Shell is DUSUP's adviser and project manager for the development phase of the project, as well as being the main supplier of LNG. An existing LNG ship, Golar Freeze, will be converted into a Floating Storage and Re-gasification Unit and stationed offshore so that LNG ships can moor alongside to offload their cargoes. Beginning in 2010, gas will be piped through a sub-sea pipeline into the Dubai natural gas pipeline network at a maximum rate of 3 million tonnes per annum, equivalent to 400 million m² per day of natural gas.

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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