



## TIDELAND LED LANTERN LEADS SHIPPING INTO STANLEY HARBOUR

Working closely with the officials at the Falkland Islands Government Public Services Department, Tideland Signal has devised a system of high performance LED-based leading lights to guide shipping safely into the harbour at Port Stanley against the background of light from a new onshore development.

The package centres on two of Tideland's recently introduced RLED-170 range lanterns, which are mounted on posts on the centre line of the course followed by mariners approaching the inner harbour. On top of the posts are MLED-155 MaxiHALO-60 lanterns which are blanked to shield the light when seen at night against the background of the new urban development.

All the lanterns show red lights. The MLED-155s are used only at night time while the RLED-170s operate day and night, the rear station showing an 18 degree beam and the front station a 24 degree beam. Both stations are equipped with GPS synchronisation and a VHF transponder in a GRP enclosure to synchronise the day/night transition intensity settings between the two lights.

Tideland's RLED-170 uses high-performance LEDs to achieve a visual range of up to 20NM with extremely low power consumption. There is a choice of low and high power options, with both types offering variable power settings for field intensity control. They are used to mark rivers and canals as well as channels and are normally installed in pairs, as at Port Stanley, with one positioned above and behind the other so that mariners can establish a centre line by keeping the lights vertically aligned.



Tideland's RLED-170 range lanterns guide shipping into Stanley Harbour in the Falkland Islands.



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The MLED-155 Maxi-HALO is one of a range that combines Tideland's proven MaxLumina lenses with advanced LED technology to provide an expected lifetime of 100,000 hours. The lanterns are extremely reliable, rugged, provide high opto-electrical efficiency and require little maintenance, even under harsh operating conditions. A unique AC/DC converter design provides 95% conversion efficiency, maintaining minimal operating temperatures within the lantern.

Both the Falkland Islands Government and the Falkland Islands Company operate commercial port facilities in Stanley Harbour. The East Jetty is owned and operated by the Falkland Islands Company, and FIPASS is operated by the Falkland Islands Government. Over many years, Tideland has supplied numerous navigation aids to the Falkland Islands, including buoys, racons and lanterns.

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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