

NEWS ITEM

Tideland warning lights for New Zealand's Kupe platform

Tideland Signal has supplied its offshore warning lights and other safety systems for the new Kupe gas platform in the Taranaki Basin, 30km off the west coast of New Zealand's North Island.

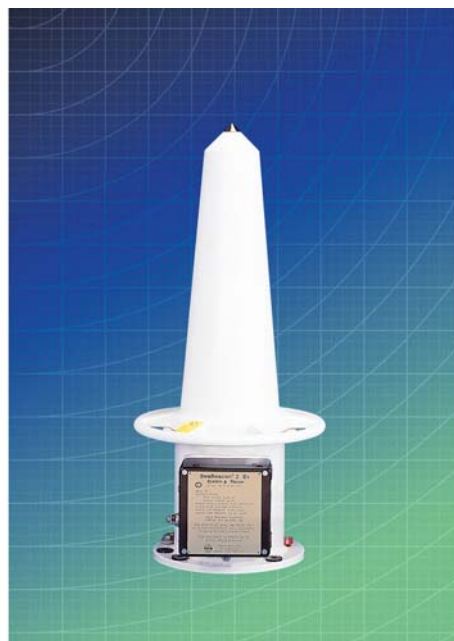
Tideland worked closely with the project engineers to develop a two-stage programme for the wellhead platform warning systems. The first stage was powered by a temporary system of batteries and solar panels and were designed to be replaced by the second stage when mains power from generators became available. All equipment is EX rated for use in hazardous applications from GMU to Zone 1, where required.

The main warning system consists of four flashing white ML-300EX lanterns fitted with LC-6EX lampchangers and a Tideland Sea Beacon 2 System 6 racon offering specially low power consumption. Audible warning is provided by an AB-68EX fog signal controlled by a VF-500EX fog detector with forward scatter IR for optimum performance. In addition, Tideland supplied the helideck warning light and all the temporary solar power equipment.

SeaBeacon 2 is an advanced, microprocessor-controlled racon weighing only 11.3kg. The version supplied is certified under ATEX for use in Zone 1 hazardous areas. It is protected by inert gas pressurization, monitored by a two-stage warning system which first alerts the user and then closes down the racon in the event of pressure loss.

Also ATEX-certified for Zone 1 operation, Tideland's ML-300EX lanterns feature a one-piece acrylic fresnel lens designed to deliver maximum beamed light for the lowest possible power consumption. They are fitted with economical 1.9A lamps, giving a range of 10 NM.

The Kupe field is expected to produce approximately 20PJ of sales gas per annum or around 15% of New Zealand's requirement as well as 90,000 tonnes of LPG and up to 1.7 million barrels of condensate annually. It is being developed by a joint venture between Origin Energy, Genesis Power, New Zealand Oil and Gas and Mitsui, with Origin nominated as the operator. The project, which is being managed under an Alliance arrangement with Technip as the major contractor, includes an unmanned wellhead platform with capacity for up to six wells and satellites, a sub-sea pipeline and utility lines to the shore, onshore processing



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facilities and an export pipeline.

Approved to ISO 9001:2000, 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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