

OceanSENSE Leak Detector Delivers 100% Record



A leak detector engineered by OceanTools, UK, has delivered a 100% detection record across a recent series of major North Sea projects. The OceanSENSE-DH diver-held leak detector, which was launched by OceanTools in late 2010.

According to Kevin Parker, managing director of OceanTools, OceanSENSE has been used on numerous North Sea projects and has achieved a 100% detection rate. The success of OceanSENSE in the North Sea has led to global interest in the technology and

we have recently delivered two OceanSENSE-SW ROV mounted single wavelength units for the detection of Champion Clear Dye for a major European oil company. "We also hope to announce sales of further Clear Dye configured systems to a major subsea contractor in the near future."

OceanSENSE is compact and lightweight and can be operated by an ROV team, meaning that no additional personnel are required. The compact design allows the units to be mounted on a wide range of ROVs. As the system uses high-intensity light-emitting diodes (LEDs) for excitation of the fluorescence, there are no safety issues as may be found with older, less efficient, laser-based leak detection systems. The OceanSENSE units can be configured to detect any combination of fluorescing materials, including fluorescein, rhodamine, hydrocarbons, hydraulic fluids (with certain added tracers) and chlorophyll. The OceanTools development team has also been producing variants on OceanSENSE including OceanSENSE-Micro; OceanSENSE-Pelagic, a Pelagic 100-detecting version; and OceanSENSE-AUV, an AUV-mounted version.