

# OSIL Installs Buoy Network in UAE



Ocean Scientific International Ltd. (OSIL) has installed a network of eight monitoring buoys off the coast of Abu Dhabi, UAE, in support of environmental monitoring. The rugged 1.2m coastal buoys are equipped with multiparameter sondes for water-quality monitoring plus GPRS telemetry equipment. The buoys are installed in water depths ranging from 6m to 16m, in various locations along the UAE coastline

amid extensive coral formations and seagrass beds.

The buoys are designed for extended deployment in harsh coastal environments in a range of water depths, and are extremely robust. The rotationally moulded PE hulls are foam filled to prevent the buoy sinking in the unlikely event that the outer hull is damaged. All instrumentation and cables are held internally and are protected by the rugged enclosed top section, which has been designed to minimise damage from the elements or interference. The stainless steel central structure removes the possibility of any corrosion issues, while offering good water flow for water quality sensors, while also providing a very high degree of protection for valuable, sensitive, or delicate equipment.

## Visibility in High-traffic Areas

The platforms also offer a higher visibility profile, easily seen in high-traffic areas, and are suitable for all applications, including scientific studies, water quality monitoring, coastal engineering projects, harbour and coastal monitoring, and maritime traffic control. A range of telemetry options are available (UHF/VHF, GSM, GPRS, Satellite), selected to suit both the location and application requirements. OSIL provide a complete data telemetry solution, including either desk top or web-based software packages to access the data.

OSIL produce integrated systems for environmental monitoring in all marine applications. Specialising in instrumented buoy platforms, current and wave measurement systems, dredge monitoring, oil spill detection, berth management and sediment corers, OSIL offers support for systems, including instrument calibration.