

OceanStar

Marine Environmental Monitoring System

OceanStar is a field-proven marine environmental monitoring system that will provide sensor readings from the sea floor to your desktop within seconds, from anywhere in the world.

It is designed primarily for coastal monitoring applications, and will operate in the most remote locations, beyond the range of cellular or radio networks.

The unique underwater configuration of the OceanStar system enables the use of small, easily deployed relay buoys. The system has proven reliability in all weather conditions, including cyclones.

The OceanStar system consists of the following primary components:

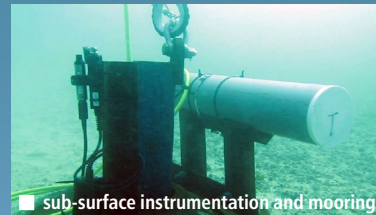
- An underwater electronics and sensor module
- Compact surface relay buoy, umbilical cable and mooring
- Iridium Satellite telemetry system
- Online data delivery system



■ compact satellite relay buoy



■ easy deployment



■ sub-surface instrumentation and mooring

Fastwave

OceanStar

Marine Environmental Monitoring System

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System Benefits:

- Near real time data from any coastal monitoring location in the world provides enhanced analytical, predictive and alerting capability
- Compact, lightweight relay buoy reduces cost and complexity of deployment
- High value equipment is sub-surface, reducing risk of loss through vandalism, theft, collision and extreme weather
- Proven system resilience and performance in cyclonic conditions
- Small relay buoys are ideal for very shallow locations, such as coral reefs
- Reduces the requirement for manual data sampling and data logger deployment/recovery
- Autonomous operation reduces the need for diver intervention and associated safety management
- On-line data delivery with email & SMS alerting capabilities

Features:

- Works in any location - system uses Iridium Short Burst Data telemetry to provide highly reliable, global coverage, with cellular options
- Sensor sampling and reporting intervals remotely configurable
- In-situ data logging as well as near real-time reporting
- System can be integrated with client specified sensor types
- Internal re-chargeable battery pack provides extended subsea monitoring endurance before re-charging
- Compact, easy to deploy relay buoy with no external equipment

Typical Applications:

- Marine water quality monitoring – outfalls, dredge plumes, aquaculture etc
- Oceanographic and marine environmental data gathering
- Maritime security monitoring
- Marine infrastructure monitoring