DATA.BUOY Systems

Oceanographic Data & Telemetry Buoys

With our extensive experience in designing and manufacturing oceanographic and navigational buoys, we are able to fulfill the most demanding customer requirements.

Our partner BSS specializes in the manufacture of medium and large buoys. Materials of choice are either shipbuilding steel or sea water resistant aluminium alloys like AlMg4.5Mn (AA5083).

Our standard buoy designs are ready to cover applications like deep sea moored telemetry/relay buoys, dry falling data buoys for shallow waters like the North Sea, wave riding buoys or spar buoys that are providing very stable platforms for oceanographic instrumentation even in heavy seas.

Besides providing solutions based on variations of our proven standard designs, we are always ready to develop fully custom solutions.

Instrumentation

We are able to deliver either the bare buoy structure or buoys fully equipped to customer specifications.

Previous projects instrumentation includes AADI weather station packages, acoustic telemetry to ocean bottom sensor platforms, GPS receivers and satellite or RF telemetry solutions.

For powering the buoy mounted sensors, we offer complete solutions based on solar power, or methanol fuel cells including the necessary rechargeable buffer battery packages.

Mooring

Besides delivering the surface buoys, we are also able to supply all essential mooring components ranging from anchors over mooring rope and necessary shackles to acoustic releases and floatation.

Our experience in many buoy projects enables us to provide our customers with cost effective, easy to deploy and service friendly mooring concepts ideally tailored to our buoys.

Service

In addition to supply the equipment, we also take care of deployment and service related tasks.

BSS is able to provide worldwide on site/on vessel support for deployment and repair. Short response times for delivery of spares and logistic friendly designs ensure maximum efficiency and minimized overhead throughout the entire project.

Product Specification

Spar Buoy Features
- Length 6500mm
- Diameter 500mm
- Submergeable to 100m.
- GPS + SatCom Antenna, Nav. lights, active radar reflector
- Mast integrated UHF/VHF antenna
- Marine grade solar panels 4x45W
- Power 7200Wh (lead-acid batteries)
- Power and battery charge controller (BPM)
- Integrated Modem+transducer
- Welded steel design, compartmentalized, protection anodes

www.develogic.de