

# Fiobuoy Underwater Mooring Security System



A novel underwater mooring security system with applications within the coastal monitoring, marine survey, ocean research, defence, aquaculture, water production, port & harbour and offshore energy markets is available. The Australian sourced Fiobuoy system is the world's first submersible marine marker buoy and retrieval system. The device has won technology awards on the way to becoming a firm favourite with several prestigious organisations including the US Navy.

Although initially designed with the aquaculture market in mind, Fiobuoy first found favour within the defence market where it was quickly identified as having enormous potential in enabling sensitive equipment to be covertly secured underwater at deeper depths than previously possible. It allows valuable assets (scientific landers, mooring strings, monitoring packages, surveillance systems, etc) to be securely hidden underwater and retrieved safely at a later time.

After extensive evaluation trials, a major supply contract was secured with the US Navy and this proved to be a catalyst to similar sales to the Australian and Japanese navies. The US Navy evaluations demonstrated significant advantages of the system over other possible routes, including substantial "bottom line" savings.

The core product is available in both Time/Date and Acoustic "on demand" versions. Both versions currently have 100m and 200m depth models. In simple terms the Fiobuoy remains tethered close to the secured underwater package until triggered by pre-set time/date or acoustic command. The Fiobuoy then release itself and unwinds to the surface where it sits as a surface marker until collected. Its trailing rope is then used to recover the seabed assets.

[www.rsaqua.co.uk](http://www.rsaqua.co.uk)

Source: RS Aqua (UK)

Caption:

The Fiobuoy, coupled to an underwater asset.