



Maritime safety and security

SECULMER

LOCATING A PERSON OR OBJECT IN DANGER AT SEA USING A TETHERED BALLOON

SECULMER is based on the idea of a brightly coloured tethered balloon equipped with a light signal that floats well above the waves at the end of a halyard attached to the person or craft in distress. The ultra lightweight balloon, made from a gas-impermeable fabric, is incorporated into clothing or equipment. By simply pulling on a toggle, the balloon inflates and the halyard extends. Those coming to assist can immediately pick up the message and carry out a vertical rescue below the balloon's location.

The SECULMER system is designed for maritime professionals - fishermen, RNLI, tug crews and anyone involved in operations at sea - for crews in long-distance races, those practising watersports (sailing, surfing, angling, etc.), and for use in surveillance and scientific research (drift buoys, ocean measuring equipment and monitoring hazardous areas). The system establishes a new and simple alarm signal everyone can recognise - "Balloon in the air - vertical rescue required".

Partners

Companies

Ulmer Aéronautique, Sophia
Antipolis [\[Project Developer\]](#)
Air Liquide, Grenoble
Uship, Auray
Voile Russo, Hyères

Research centers

Ifremer, Brest
Onera, Salon-de-Provence

Funders

- Fonds Unique Interministériel
- Région Bretagne
- Collectivités territoriales PACA

Labelisation

29/04/2008

Overall budget

2 459 K€