

THE INDEPENDENT CONCEPT

MOBOS® stands for **Man-Over-Board-Operating-System**. It is self-contained and absolutely independent!

HELP YOURSELF!

It neither needs support of other rescue institutions (e.g. Coast Guards or MRCC, Marine Rescue Coordination Centres) nor support of further technologies such as Global Maritime Distress Safety System (GMDSS), Maritime Radio (VHF) and AIS!

TO RELIEVE SAR

MOBOS®-System was developed for a speedy rescue operation managed on one's own responsibility. It relieves the international emergency systems like COSPAS/SARSAT 406 MHz plus all affiliated institutions like SAR!

NO COSTS – WORLDWIDE!

MOBOS® is free of charge and license free!

- + No costs after the rescue operation
- + No radio certificate (SRC) is required

All over the world!

SPEEDY RESCUE

The system consists of 2 units, both are GPS supported:

- + the **MOBOS®-Beacons**
- + the **MOBOS®-Receiver**

The **MOBOS®-Beacon** relays its GPS position *directly* to the **MOBOS®-Receiver** onboard the boat. After receiving the data of the man overboard the **MOBOS®-Receiver** then shows on an easily understandable graph the precise position of the casualty.

THE KEY FOR A SPEEDY RESCUE!

MOBOS®
TO FIND A DROP IN THE OCEAN!

Safety has a name:

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ENGINEERING SAFETY

Made in Germany 

Help Yourself!

mobos®

MAN-OVER-BOARD-OPERATING-SYSTEM

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Presented by:



mobos®

Depending on the preferred PFD the MOBOS®-Beacon is available with an automatic switch or with hand control switch. It can easily be attached into any automatic PFD — even into tight SOLAS lifejackets — and does not impede movements and activities of the skipper. The MOBOS®-Beacon will be activated automatically through the self-inflation of the automatic lifejacket! Alternatively it can be attached with a pouch to any foam PFD.



MOBOS®-Beacon MTX-M
with hand control switch

MOBOS®-Beacon MTX-A
with automatic switch

The MOBOS®-Beacon is powered by worldwide commercially available batteries which can be changed easily by the customer. It is very robust made and its housing is very carefully manufactured, shock proofed and without any sharp edges. All antennas are inside MOBOS®-Beacon = maximum protected against damage.

Depending on the individual needs MOBOS®-Receiver is available in a portable splash water proofed case or permanently installed onboard. On request a customary Tablet PC (Android) can be used as portable screen which fits in all kind of cockpits.

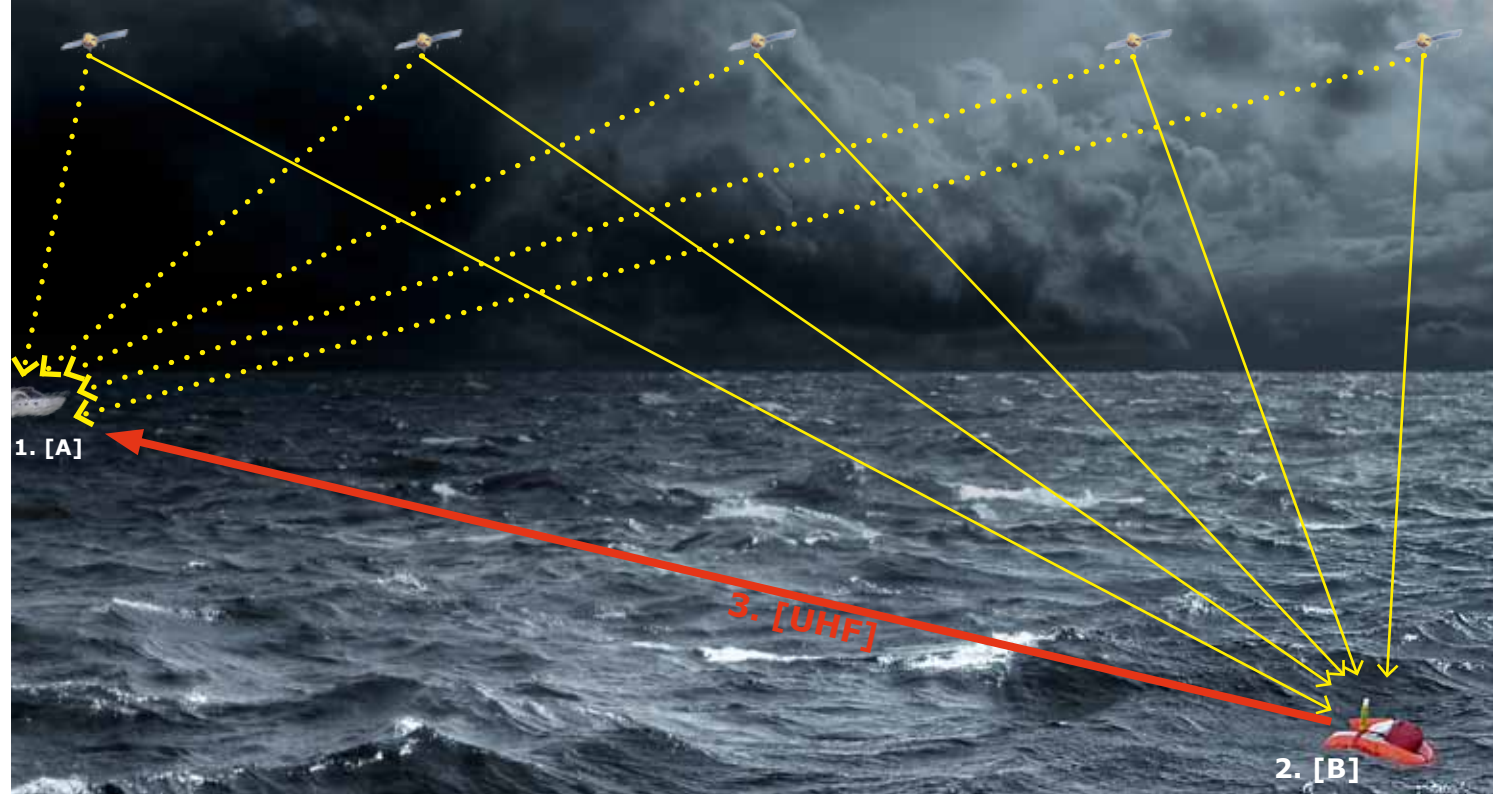
However, which model is preferred: The display screen of MOBOS®-Receiver is easy to understand even under stress!

All life-saving data at a glance:

Distance and bearing from the boat to MOB, his GPS coordinates, ID number of MOBOS®-Beacon, total number of alerts, status of batteries and much more!



INDEPENDENT RESCUE!



How MOBOS® works:

1. The MOBOS®-Receiver onboard the boat determines its position [A] through the GPS satellites. It is then ready to receive any emergency call from the MOBOS®-Beacons.
2. Once the MOBOS®-Beacon is activated it immediately flashes and relays the first alert directly to the MOBOS®-Receiver. The crew is instantly informed about the case of emergency! Now the MOBOS®-Beacon begins also to determine its GPS position [B] through the satellites.
3. After the GPS position is determined MOBOS®-Beacon then relays its position automatically and directly via radio frequency [UHF] to the MOBOS®-Receiver.

Using the positions [A] and [B] the MOBOS®-Receiver then evaluates the exact distance and bearing from the boat to the man overboard. This life-saving information is displayed as an easily understandable graph on its screen.

THE KEY FOR A SPEEDY RESCUE!

DIRECT RESCUING — WITHOUT SEARCHING!

The precise data on the screen of MOBOS®-Receiver makes a speedy rescue possible — without searching for the MOB. The skipper gets all information about the position of the casualty.

Multiple alerts at the same time!

If several persons fall over board and all MOBOS®-Beacons are activated and relaying their alerts, MOBOS®-Receiver is able to receive, to evaluate and to display *all* received GPS positions simultaneously!

Regardless of the number of alerts, the MOBOS®-Receiver shows on its screen all data of bearing, distance and GPS position of every drifting crew member.

Permanent update of MOBOS®-Beacons!

The MOBOS®-Beacon relays its GPS position every 15 seconds. Thus the crew is permanently updated regarding the position(s) of the person(s) in need.

MOBOS®: TO FIND A DROP IN THE OCEAN!