

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 & CO.

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, AIS etc. 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!

Seareq

ENGINEERING SAFETY
info@seareq.de

Made in Germany
www.seareq.de

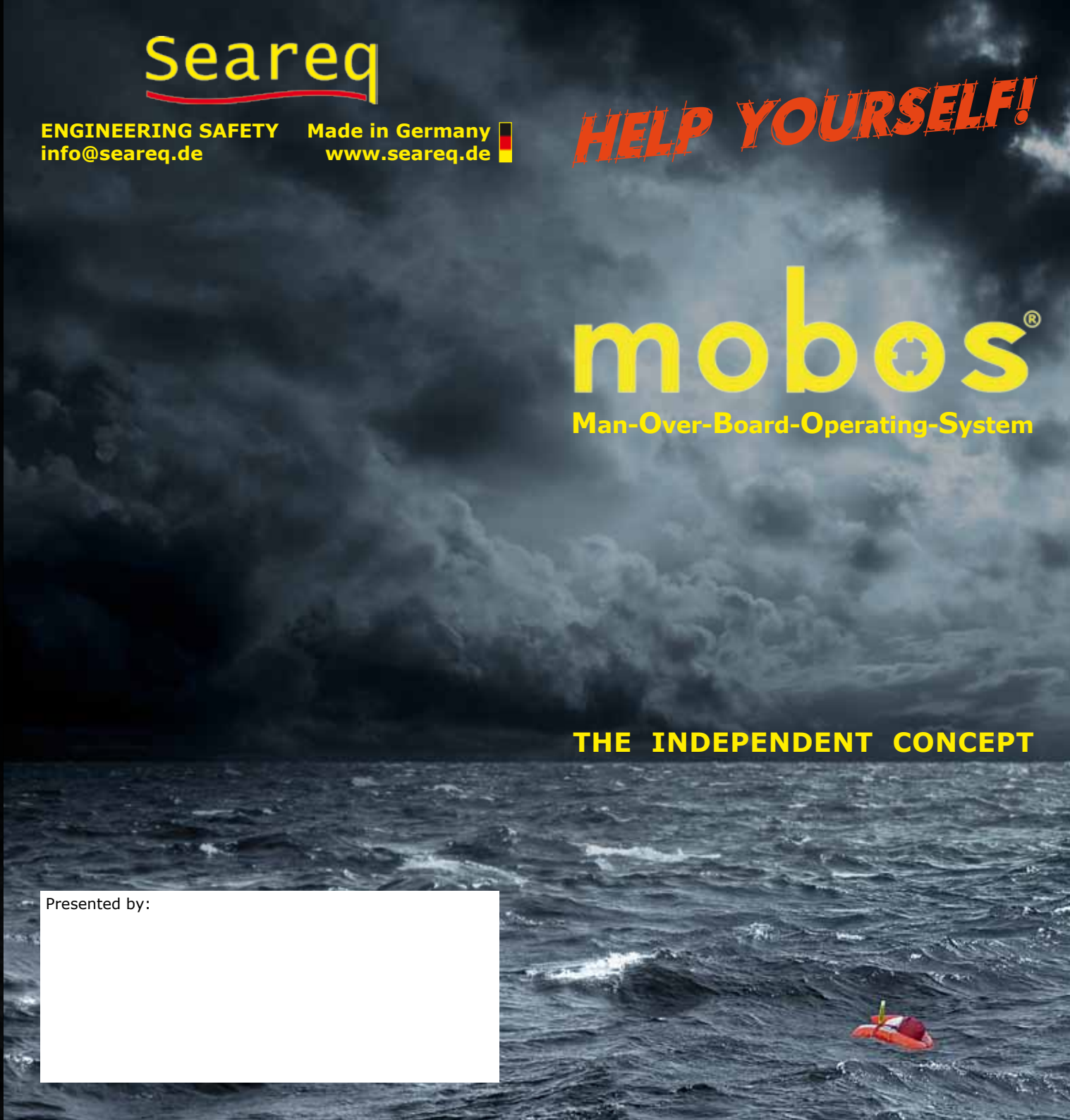
HELP YOURSELF!

mobos®

Man-Over-Board-Operating-System

THE INDEPENDENT CONCEPT

Presented by:



mobos®

Depending on the preferred lifejacket the MOBOS®-Beacon is available with an automatic switch or with hand control switch.

It can easily be attached into any automatic lifejacket — 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 lifejacket.



MOBOS®-Beacon with
hand control switch

MOBOS®-Beacon with
automatic switch

The MOBOS®-Beacon is powered by worldwide commercially available batteries which can be changed easily by the customer.

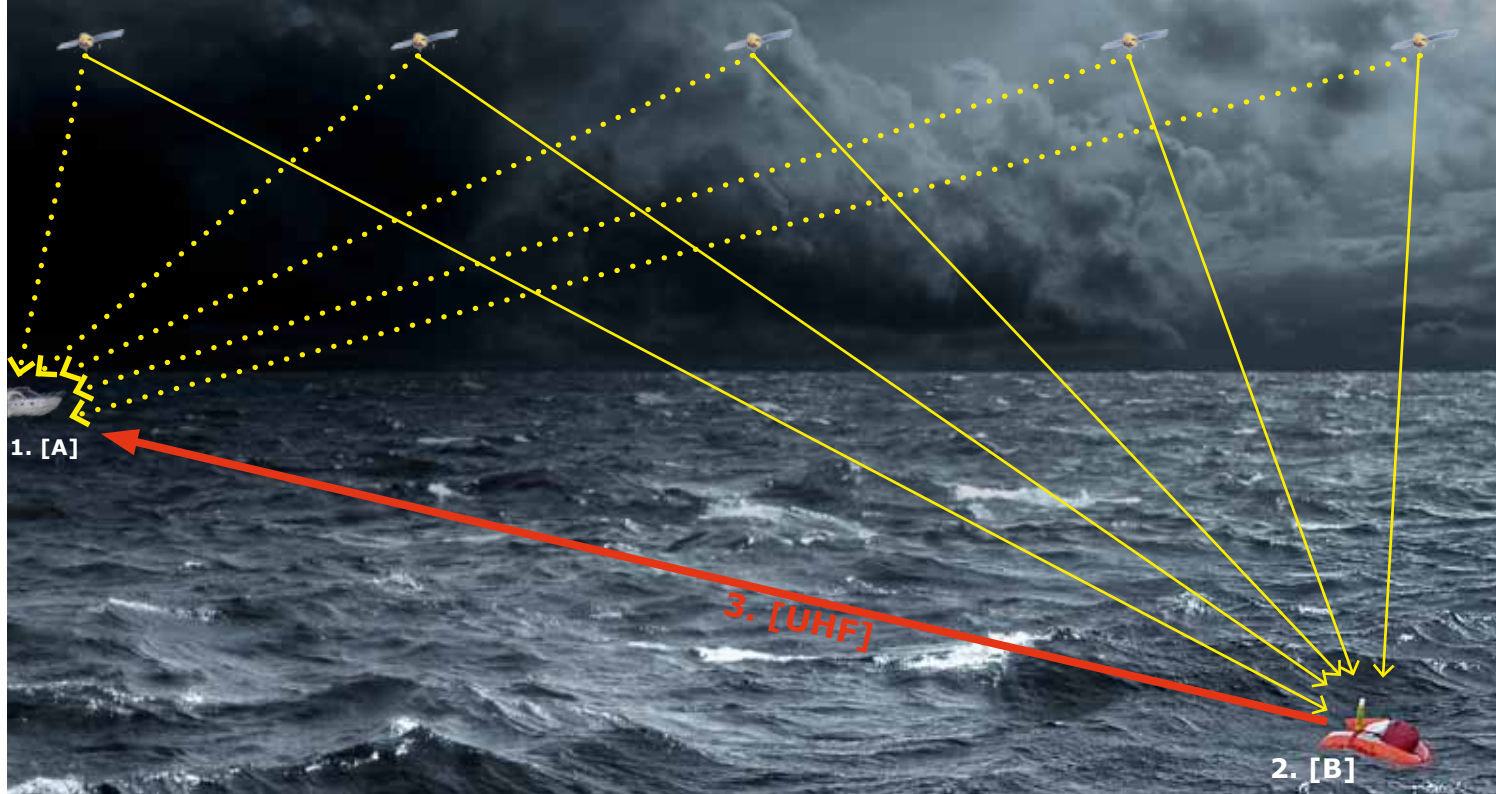
Furthermore it is very robust made: All antennas are protected inside. The housing is very carefully manufactured, shock proofed and without any sharp edges.

The MOBOS®-Receiver is available in a portable and water proofed case — very comfortable and handy. On request it is also available as permanent installation on the command bridge.

However, which model is preferred: The display screen of the MOBOS®-Receiver gives always precise information concerning the man overboard and is easy to understand even under stress!



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 the MOBOS®-Beacon relays its position automatically 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 man overboard. The skipper gets clear information about the position of the casualty.

Multiple alerts at the same time!

If several persons fall over board and several MOBOS®-Beacons relaying their alerts in the same time, the MOBOS®-Receiver is able to receive, to evaluate and to display all alerts simultaneously!

In this case the MOBOS®-Receiver indicates on its screen all relevant data concerning distance, bearing 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!