

## SPEEDY AND DIRECT RESCUE !

**MOBOS®** is a unique Rescue System for water sports enthusiasts providing an immediate rescue of the person in need. It is self-contained.

### HELP YOURSELF !

It neither needs support of external 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!

Self-dependent rescue: **MOBOS®-System** consists of 2 units, both are GPS supported:

- + **MOBOS®-Beacons** and
- + **MOBOS®-Receiver**

The **MOBOS®-Beacon** relays its GPS position directly to the **MOBOS®-Receiver**.

Using its own GPS position and the received from the **MOBOS®-Beacon**, the **MOBOS®-Receiver** then evaluate the precise distance and bearing to the person in need. This life-saving data is displayed easy understandable on the screen of **MOBOS®-Receiver - the key for a speedy rescue, without time loss!**

The portable **MOBOS®-Receiver** is splashwater proofed to use it in any kind of boat, even in dinghies and inflatable vessels.

### RECEIVING RANGE UP TO 5.6 NM / 10 KM !

### PERFECT FOR INLAND WATERS !

Thanks to its independency and its self-contained functioning principle **MOBOS®-System** is also legalized for inland waters!

### NO COSTS – WORLDWIDE !

**MOBOS®** does not require a radio certificate (SRC, Short Range Certificate), is license free and free of charge and does not initiate costs.

**ALL OVER THE WORLD !**

**MOBOS®**

**TO FIND A DROP IN THE OCEAN!**

SAFETY HAS A NAME:

**Seareq**

**Safety and Rescue Equipment**

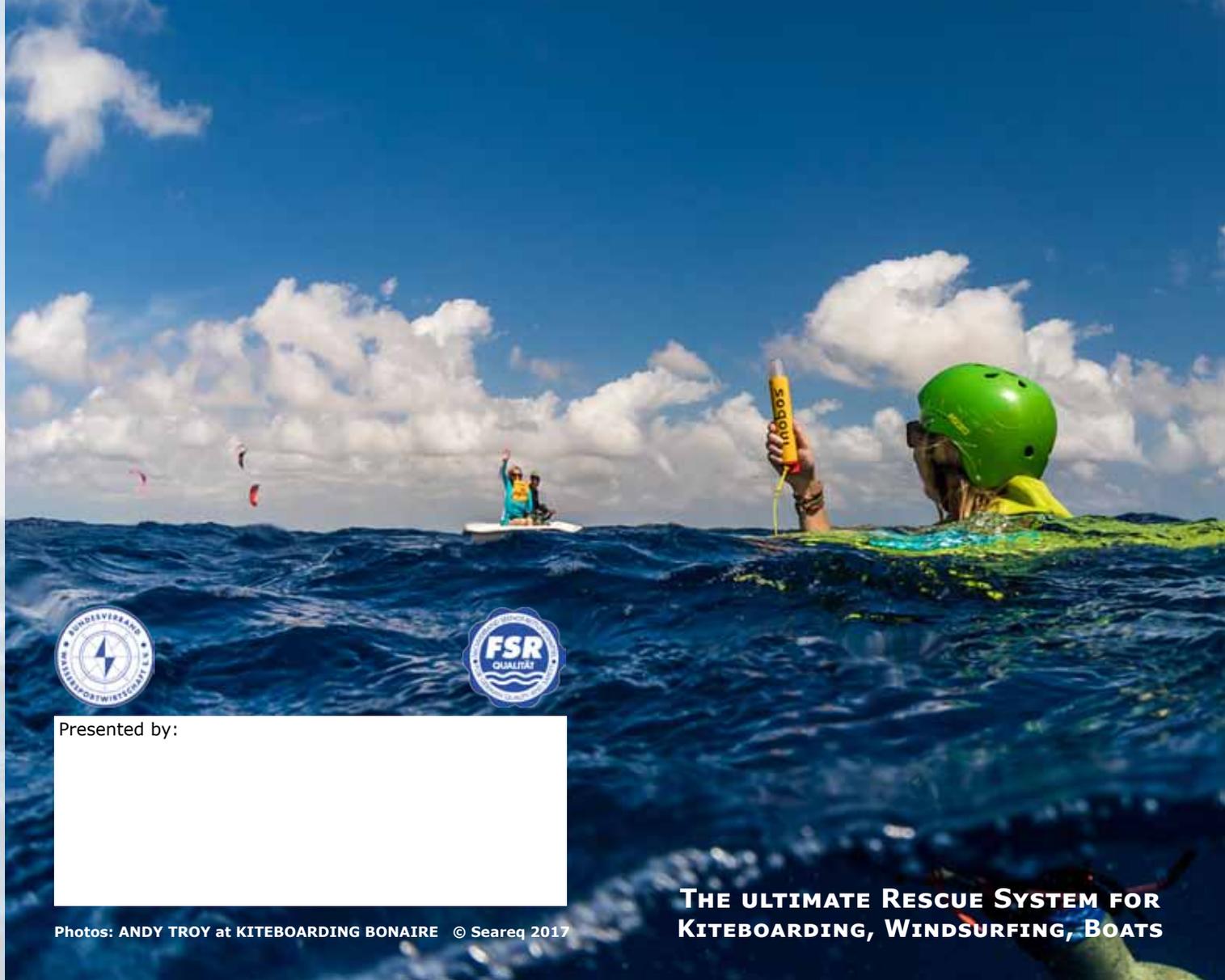
Technologie Park  
Friedrich-Ebert-Str. 75  
51429 Bergisch Gladbach  
GERMANY

T: +49 (0)2205 - 91 22 26  
F: +49 (0)2205 - 91 22 70  
@: info@seareq.de  
I: www.seareq.de

**ENGINEERING SAFETY**

**Made in Germany**

**mobos®**



Presented by:



Photos: ANDY TROY at KITEBOARDING BONAIRE © Seareq 2017

**THE ULTIMATE RESCUE SYSTEM FOR  
KITEBOARDING, WINDSURFING, BOATS**

# mobos®

The MOBOS®-Beacon is very compact and super-light. It doesn't restrict movements of the watersports enthusiast. It's measurements are **200 x 35 mm** (H x D) and it weighs **165 gram** only, incl. batteries! Thanks to its robust pouch made of cordura it's easy to attach to the equipment, vest or to the harness.



**MOBOS®-Beacon MTX-M; and attached to the equipment**

## IN A CLASS OF ITS OWN: MOBOS®-SYSTEM!

Maximum protection against any damages because all antennas are *inside* the robust housing!

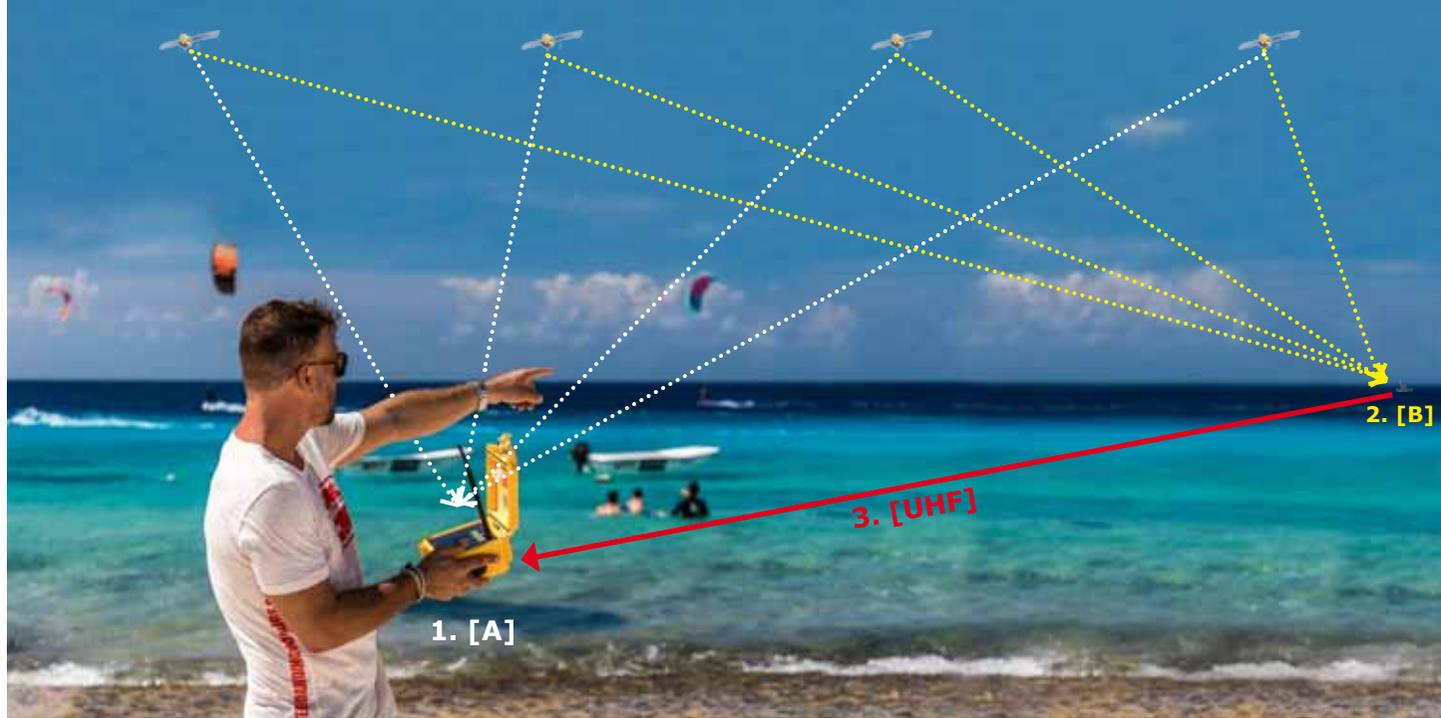
The screen of the portable MOBOS®-Receiver shows all life-saving data at a glance for a speedy rescue:

- + Distance and bearing to the person(s) in need
- + GPS coordinates of the person(s) in need
- + Total numbers of alerts and ID numbers of Beacon
- + Time, when the last signal was received
- + Status of battery
- + Directional arrow to casualty



**MOBOS®-Receiver shows all data of the persons in need at a glance - easy understandable, even under stress!**

**THE KEY FOR A SPEEDY AND DIRECT RESCUE!**



## How MOBOS®-SYSTEM WORKS:

1. The MOBOS®-Receiver is placed at the Kiteboarding-/ Windsurfing-Centre and determines its position [A] through the GPS satellites [*white arrows in figure above*]. It is then ready to receive any emergency call from the MOBOS®-Beacons.
2. Once MOBOS®-Beacon is activated it immediately flashes and relays the first alert directly to MOBOS®-Receiver. The staff is *instantly* informed about the case of emergency! Now MOBOS®-Beacon also begins to determine its GPS position [B] through the GPS satellites [*yellow arrows in figure above*].
3. After the GPS position is determined MOBOS®-Beacon then relays its position *automatically and directly* via radio frequency [UHF] to the MOBOS®-Receiver [*red arrow in figure above*].

Using the positions [A] and [B] MOBOS®-Receiver then evaluates the exact distance and bearing from the Receiver to the person(s) in need.

This life-saving information is displayed as an easily understandable graph on its screen [*see figure left*].

**MOBOS®: INDEPENDENT AND SELF-CONTAINED RESCUE**

## MULTIPLE MOBOS®-ALERTS AT THE SAME TIME

If several watersports enthusiasts getting in need and activating their Beacons at the same time MOBOS®-Receiver is able to receive, to evaluate and to display on its screen all MOBOS®-Alerts simultaneously!

Even in this extreme situation the staff of the centre sees all relevant data at a glance to rescue all casualties promptly!

## Permanent update of MOBOS®-Beacon!

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

## High-Performance Power-Management!

MOBOS®-Beacon is powered by 2 customary AAA Lithium batteries which can be changed easily by the customer; *no return to manufacturer due to battery change!*

Runtime MOBOS®-Beacon: 170 hours (1 week);  
Runtime MOBOS®-Receiver: 140 hours (5 days),  
powered by rechargeable Lithium-Ion battery.

**AT THE COAST AND ON ALL INLAND WATERS!**