# Remote Controlled Lifebuoy

TOP 100 INNOVATORS
MTR 2018
ROHS CERTIFIED
IEC CERTIFIED
FCC CERTIFIED
CE CERTIFIED
QMS CERTIFIED
ISO 9001 CERTIFIED
INTERNATIONAL STANDARD CERTIFIED

**Innovative technology to save lives**

The Smart Lifebuoy is a life-saving device with propellers and a smart remote control system.

Material: PE/PU
Dimension: 115cm * 83cm * 21cm
Weight: 13kg
Buoyancy: 22kg
Draft: 0.2m
Max Speed: 4m/s
Endurance: 30mins
Communication Range: 500m
Power: Electric propulsion

Controlled by a simplified remote controller.
Users have reported no difficulty when using it for the first time.

# Powerful propeller & strong buoyancy

The two propellers can drive the lifebuoy
to 10kn at highest.

The lifebuoy provide buoyancy as large as 1.5 regular buoy to carry two person in a time

Battery Cabin

Water Jet

Flash Light

Handlers

Gopro Mount
(Record Scene)

Simplified
Remote Control

Bumper Strip

Public Safety & Water Rescue
Offshore Oil & Gas Platforms
Coast guards / Lifeguards
Lakes, Rivers, Reservoirs
Ships & Yachts
Sea Fire Rescue

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## Injury free & tangling free

The propeller is wrapped by a metal shell so as to protect the user from injury and avoid the propellers entangling with water plants.

### MAINTAIN VANTAGE POINT

The Smart LifeBuoy bright color and flash lights make it eminently noticeable in water and reduce the risk of the rescuer losing sight of the victim.

### LOW RESCUE COSTS

Reduces rescue costs because it is battery powered and remotely navigable requiring less in the way of fuel costs.

### ADVERSE WEATHER OPERATION

The Smart LifeBuoy rescue robot is a weather neutral platform that operates equally well in adverse weather and swift water.

### OPERATIONAL SAFETY

Remote control rescue reduces risks such as panicking victims and/or adverse water conditions leading to the rescuer becoming an additional victim.
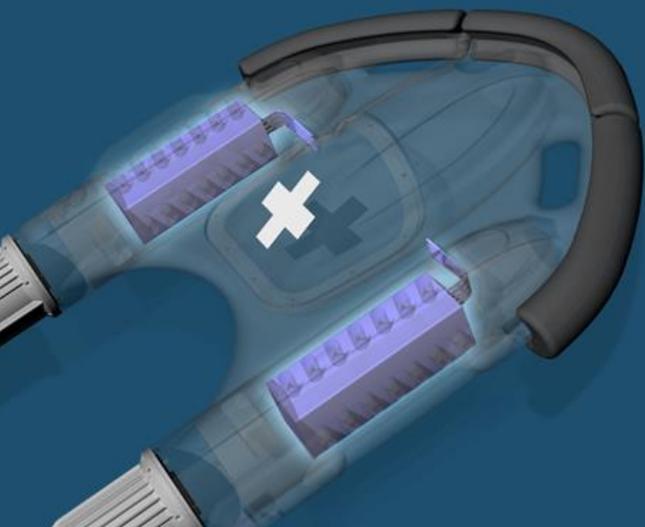
### DEPLOY FASTER

Smart LifeBuoy is quicker to deploy within minutes than other rescue vehicles like small vessels, Zodiacs, jet skis, etc.

### COMPLEMENTARY ASSET

Every water rescue is different and those charged with rescue should have as many effective tools at their disposal to tailor the quickest, safest response to each scenario to give every potential victim the best chance to be rescued.

## Reliable and safe

The battery is stored in an independent cabin so that the Dolphin 1 can keep functioning, even if the hull is damaged.
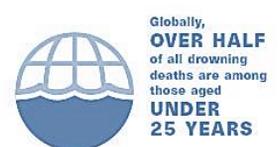
Solves the number one pain point of water rescues – panicking victims and the risk that they represent to another person attempting to rescue them in the water – by offering a remotely navigable, buoyant platform that has lights that can be seen at night and is much more resistant to adverse water conditions than other options.

Augments existing vehicular assets such as Zodiacs, jet skis, and other small rescue vessels by decreasing cost and increasing the efficiency of rescue missions.

Supplements existing water rescue equipment such as ropes, rescue lines, and ring buoys with a fast device that offers maximum assistance to swimmers.

The Smart LifeBuoy can operate in harsh environments surrounding offshore platforms, which commonly experience high seas and conditions unfavorable to rapidly deploying manned assets.

Unlike existing indirect rescue systems and assets, the Smart LifeBuoy deploy quickly and directly – reducing the heavy burden of costs (insurance, etc) associated with deploying rescue and recovery operations by platform staff or government response.

**372 000** people die from drowning **EVERY YEAR**

Globally, **OVER HALF** of all drowning deaths are among those aged **UNDER 25 YEARS**

There are approximately **42 DROWNING DEATHS EVERY HOUR,** every day

**MALES ARE TWICE AS LIKELY** to drown as females

The drowning death toll is almost **TWO THIRDS** that of malnutrition and well **OVER HALF** that of malaria

Drowning rates in low- and middle-income countries are **OVER THREE TIMES HIGHER** than in high-income countries
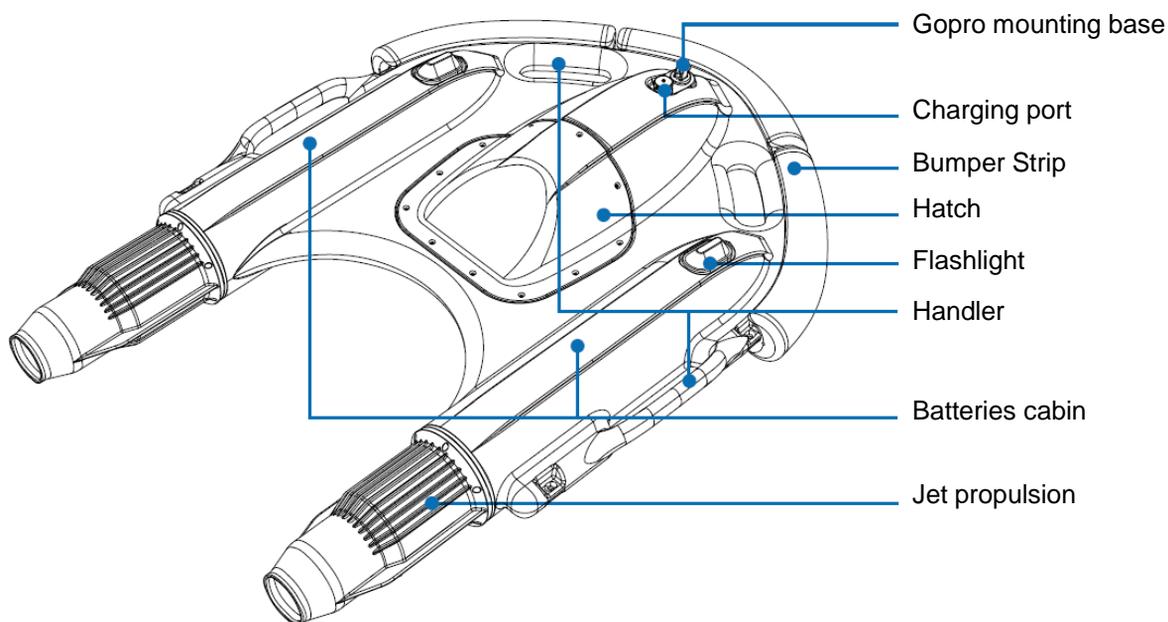
Drowning is one of the **10 LEADING CAUSES OF DEATH** for people aged 1–24 years in every region of the world (see Figure 2)

Alcohol use around water is an **IMPORTANT RISK FACTOR** for drowning in many countries, especially for adolescents and adults[5]

Gopro mounting base

Charging port

Bumper Strip

Hatch

Flashlight

Handler

Batteries cabin

Jet propulsion

**Fast** Launch in second

**Efficient** 80% better chance than lifebuoy to reach victim

**Safety** Make rescuer in safety place

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