

EXPOSURE

OLAS

© VERBOARD LOCATION ALERT SYSTEM

ABOUT US

Designed for high performance, Exposure OLAS lighting combines the latest advantages of LED technology with powerful Lithium-ion rechargeable batteries, creating very lightweight, highly compact torches with unrivalled power, functionality and versatility for their size. This includes the ability to combine high power search light options (visible up to 3 nautical miles), with red beam, and a variety of safety features in a very small, lightweight and buoyant casing.

Exposure OLAS wireless safety utilises market leading wireless technology to create a connected system around your vessel. An instant alarm, wireless engine shut off and NMEA 2000 connectivity all aid in fast recovery in an overboard situation.

Exposure OLAS are the official supplier for lighting equipment and onboard location alert systems for 11th Hour Racing Team. Providing the Team with premium gear and innovative solutions whilst sharing the vision; enjoy the ocean in all its force, whilst working to adopt mindful practices to protect it for generations to come.

Exposure OLAS are based in West Sussex, UK, the products are designed, developed and constructed in Britain.

OFFICIAL SUPPLIER TO



WIRELESS SAFETY



WHAT IS OLAS

OLAS is a scalable, wireless, safety system for use on sailing and motor vessels up to 80ft in length. OLAS creates virtual tethers to crew, family, pets and objects ensuring that if they fall overboard an alarm is triggered. OLAS is split into 2 product functions; OLAS transmitters and OLAS receivers.



TRANSMITTERS

OLAS transmitters are portable devices to be carried, worn or attached to crew, family and pets. They emit a Bluetooth signal, which is monitored by any OLAS receivers, creating a wireless tether.

OLAS transmitters that can be tracked:

OLAS Tag

Battery transmitter with up to 3 months continuous runtime.

OLAS T2

USB rechargeable transmitter with vibration alert and battery feedback.

OLAS Float-ON

USB rechargeable torch and water activated floating strobe.



RECEIVERS

The OLAS receivers track the OLAS transmitters. OLAS receivers are:

Guardian

Installed wireless kill switch and overboard alarm

N2K

NMEA 2000 connected MOB Alarm system

Core

Portable overboard alarm

OLAS mobile Application

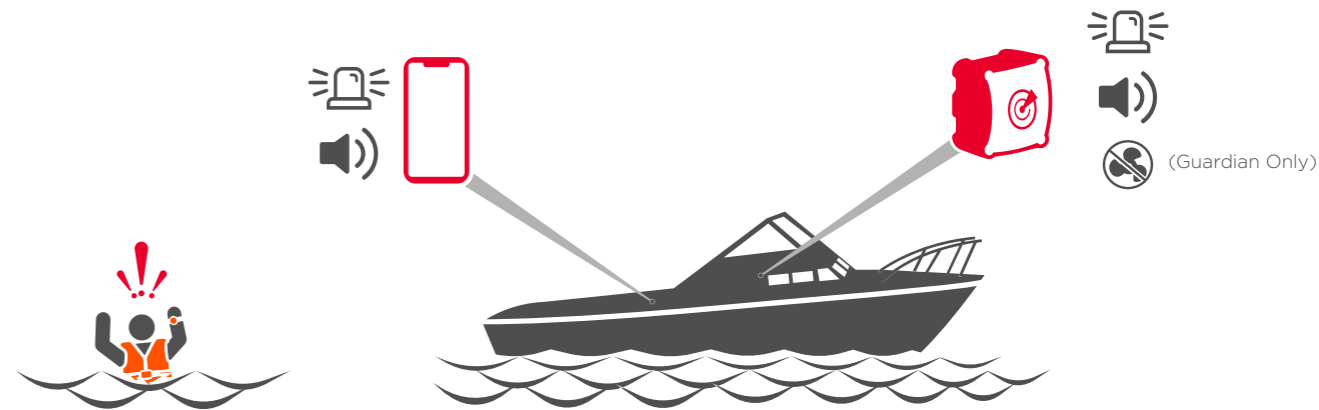
Portable overboard alarm and rescue aid

Extender

A repeater to increase the range of the Guardian and Core up to 80ft

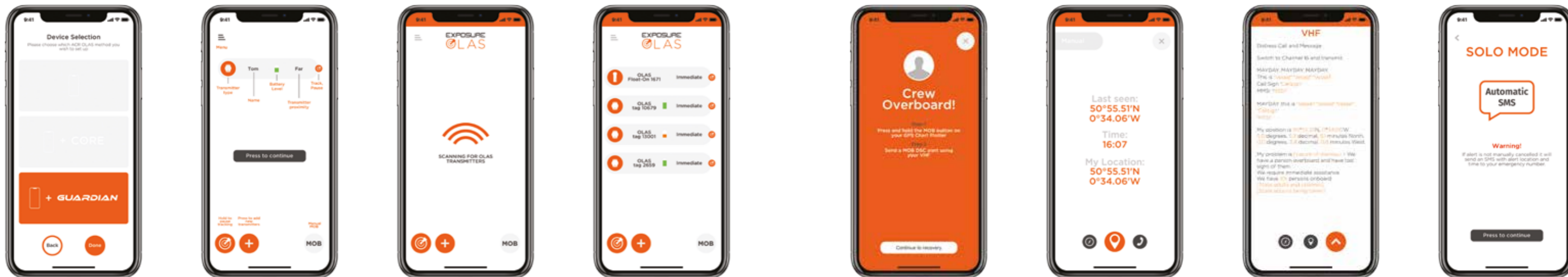


HOW DOES IT WORK?



OLAS transmitters are synced up with the receivers whilst in dock. The system then operates in the background, continuously checking to ensure all crew, family and pets are still within range. When the virtual tether is broken between a receiver and a transmitter, the receiver triggers an alarm, emergency light and OLAS mobile Application. Instant alert to an overboard incident enables rapid recovery to be actioned.

OLAS APP



The OLAS mobile Application allows the OLAS transmitters to be used as a MOB/proximity alarm creating a portable system that can be taken from vessel to vessel without costly installation. When an OLAS transmitter goes out of range an alarm is set off and overboard screens are activated. When the OLAS mobile Application is connected to the Guardian or Core it allows greater control over the OLAS transmitters that are being tracked, whilst also acting as an extra alarm and rescue aid.

The OLAS App has 4 key rescue features, automatically activated when the MOB alarm sounds:

1. Records and displays MOB Alert GPS position (no phone signal required)
2. Displays MOB mayday call with custom vessel information and MOB Alert GPS position
3. Clear arrow directing back to the MOB Alert GPS position
4. Solo mode - automatic SMS to custom number with MOB Alert GPS position



OLAS CORE

Power	5V USB
Box dimensions	92 x 90 x 38mm
Range	25ft
Emergency light	55 lumens
Buzzer output	85db

The Core gives skippers complete confidence that in the event of a MOB incident, the entire crew are alerted instantly and can take immediate recovery actions.

The Core wirelessly tracks OLAS transmitters around the vessel. When a person wearing a transmitter falls overboard the in-built alarm is triggered and a high-power emergency red light gives visual indication and illuminates the surrounding area, all within 4 seconds.



OLAS EXTENDER

Power	5V USB
Box Dimensions	92 x 90 x 38mm
Range	30ft from transmitter and 20ft from receiver
Connected Transmitters	Up to 15
Weight	110 grams
Battery Life	48 hours

The OLAS Extender is a compact, portable, wireless repeater for the Guardian wireless kill switch and Core overboard alarm. The Extender increases the overall system range up-to an 80ft vessel and can be used to cover signal black spots in vessels of carbon and metal construction.

The integrated rechargeable battery enables easy placement around the vessel for short term use, whereas the 5v power lead allows permanent attachment.





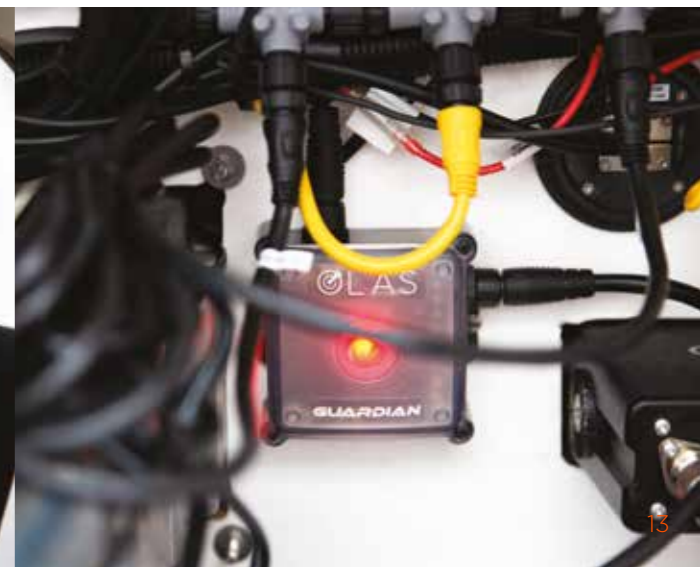
OLAS GUARDIAN

Power	10-32VDC
Box Dimensions	92 x 90 x 38mm
Switch Dimensions	32mm diameter
Range	25ft
Emergency light	55 lumens
Buzzer output	85db

The OLAS Guardian is a wireless engine kill switch that acts within two seconds of a person falling overboard. It has the dual function of also acting as an instant, Man Overboard Alarm system. Motorboat drivers are free to move around their boat with the added safety of a virtual cut-off switch if the physical cord is forgotten when returning to the helm.

Advantages

- Run alongside existing kill switch
- Crew restart after 5 seconds
- Inbuilt alarm
- Fast, easy installation
- Auto-Sync on start up
- Pause mode
- Driver and crew mode
- OLAS App compatible for advanced setup and external alarm





OLAS N2K

Power	10-32VDC
Box Dimensions	92 x 90 x 38mm
Switch Dimensions	32mm diameter
Range	25ft
Emergency light	55 lumens
Buzzer output	85db

The OLAS N2K tracks OLAS transmitters around the vessel. If an OLAS transmitter goes missing or the manual MOB button is pressed the N2K can alert in the following places:

- N2K's internal alarm and emergency light.
- NMEA 2000 networked chart plotters or MFDs.
- Exposure OLAS mobile App (iOS / Android).
- The vessels speaker (via the Connect).
- The OLAS Emergency light (via the OLAS Connect).
- Stop the vessels engine (via the OLAS Engine cable).

Why is it needed?

A NEMA connected, multi-location MOB alert ensures all persons onboard can react quickly and the MOB location is automatically placed onto the plotter, avoiding human 'forgetfulness'.

Who needs it?

Anyone worried about an overboard situation whether sailing solo, short handed, with crew, family, and even animals. OLAS give the piece of mind that all aboard.

What vessel is it designed for?

The N2K is suitable for most vessels due to its versatile functionality.

For outboard motor vessel the wireless kill switch system offers freedom whilst maintaining safety.

For larger motor vessels up to 100ft the MOB system can alert in multiple locations, including the chart plotter, if a passenger was to fall of the vessel, which could easily go unnoticed from the bridge.

For sailing vessels up to 100ft the MOB system can alert in multiple locations, including the chart plotter, if a passenger was to fall of the vessel, which could easily go unnoticed with crew working around the deck.

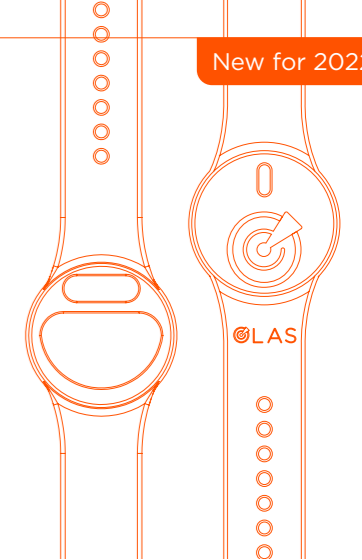
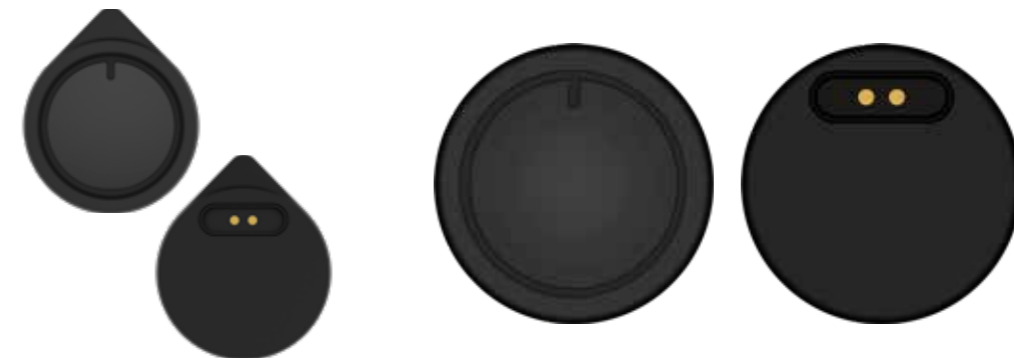
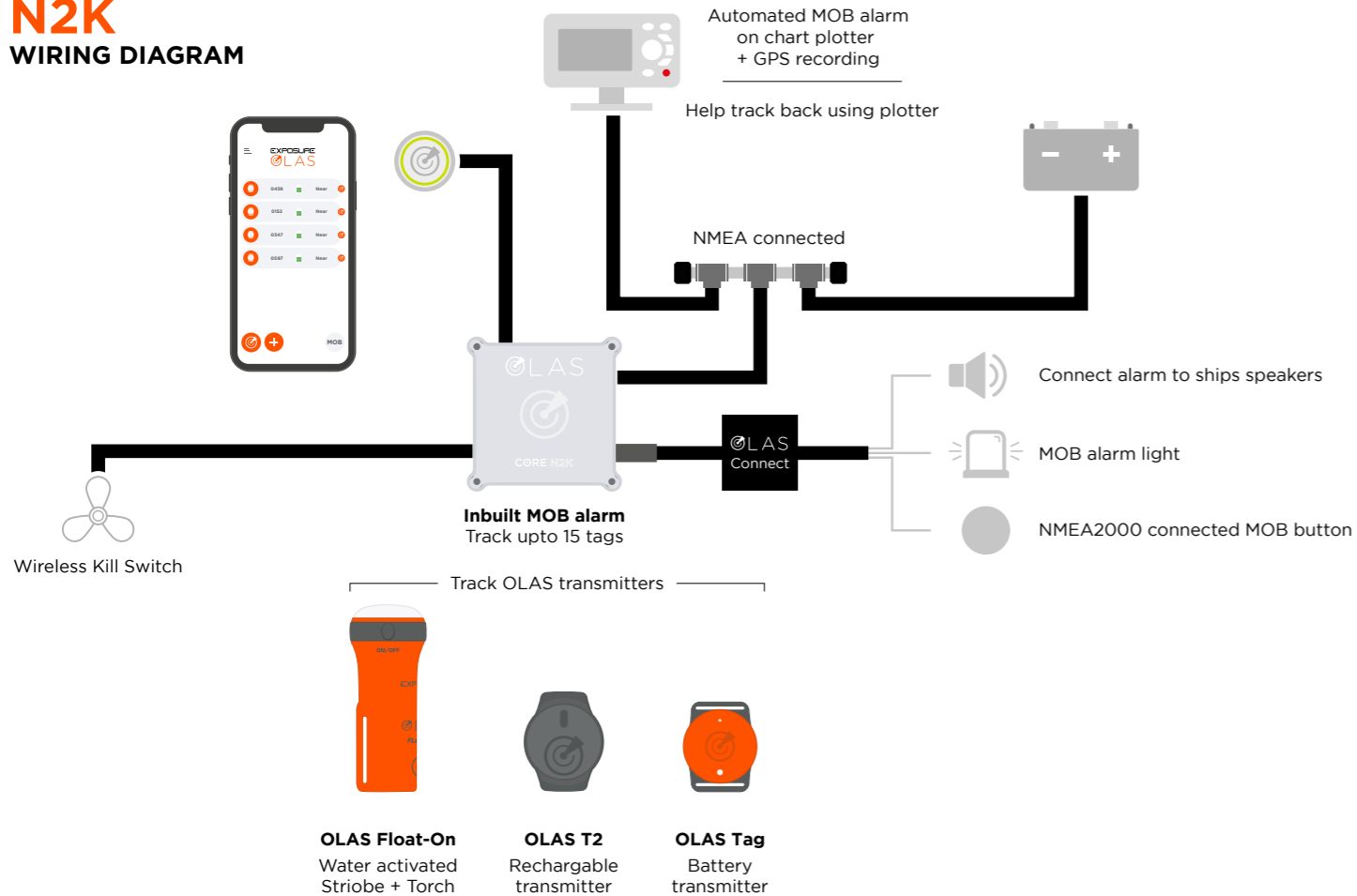
Additional plug-in cables:

The **OLAS Engine cable** plugs directly into the N2K to enable integration into the vessels engine stop system. This creates a wireless stop switch and enables OLAS Smart Lock.

The **OLAS Connect** plugs directly into the N2k and enables additional benefits.

- OLAS MOB button
- OLAS emergency light
- Wire into the vessel's speaker for additional Alarm

N2K WIRING DIAGRAM



OLAS T2

Weight	12g
Dimensions	38 x 38 x 9.5mm
Battery Life	170 hours (Standby)
Battery	USB Rechargeable
Chargetime	2 Hours

The OLAS T2 is a waterproof, compact, rechargeable transmitter which can be tracked by any OLAS Receiver. Integrated vibration and light indication ensure awareness of the tag status throughout its operation. For increased versatility the T2 is supplied with a silicone wrist strap, safety-break neck lanyard, pendant holder and belt clip. The T2 can also be used to stop and lock your engines if used with OLAS Smart Lock.



OLAS TAG

Weight	20g (excl. strap)
Dimensions	60 x 35 x 15mm
Battery Life	4 months
Battery	CR2477 (user replaceable)

The OLAS tag is a compact, 'Smart', man overboard system. It can be easily attached to adults, children, pets and objects such as overboard floatation devices. The tags are tracked by the OLAS Application on a mobile device or via the Core, Guardian and Extender. After seconds of the tag 'breaking' connection, the crew are alerted and the MOB rescue screen is activated on the OLAS mobile Application.

OLAS FLOAT-ON

Weight	45g
Dimensions	85 x 36mm
Battery Life	850 hours (Standby)
Battery	USB Rechargeable

Combines a MOB alarm, floating water activated strobe and pocket torch into a cost effective, compact device. The OLAS Float-On is tracked by the OLAS Application on a mobile device or via the Core, Guardian and Extender creating a multifunctional safety aid for all boaters. The automatic strobe gives visual location of an MOB. The pocket torch makes it a versatile tool to be carried at all times.

OLAS SMART LOCK SYSTEM

FOR OLAS GUARDIAN AND OLAS N2K



Smart Lock

Lock your ignition system
Prevent theft

The OLAS Smart Lock acts as a secondary key system for outboard engines. It prevents the vessels engines from being started to reduce the risk of opportunistic theft and restricting use to Smart key holders or those with the access pin code.



Smart Keys

OLAS App
OLAS Tag
OLAS Float-On

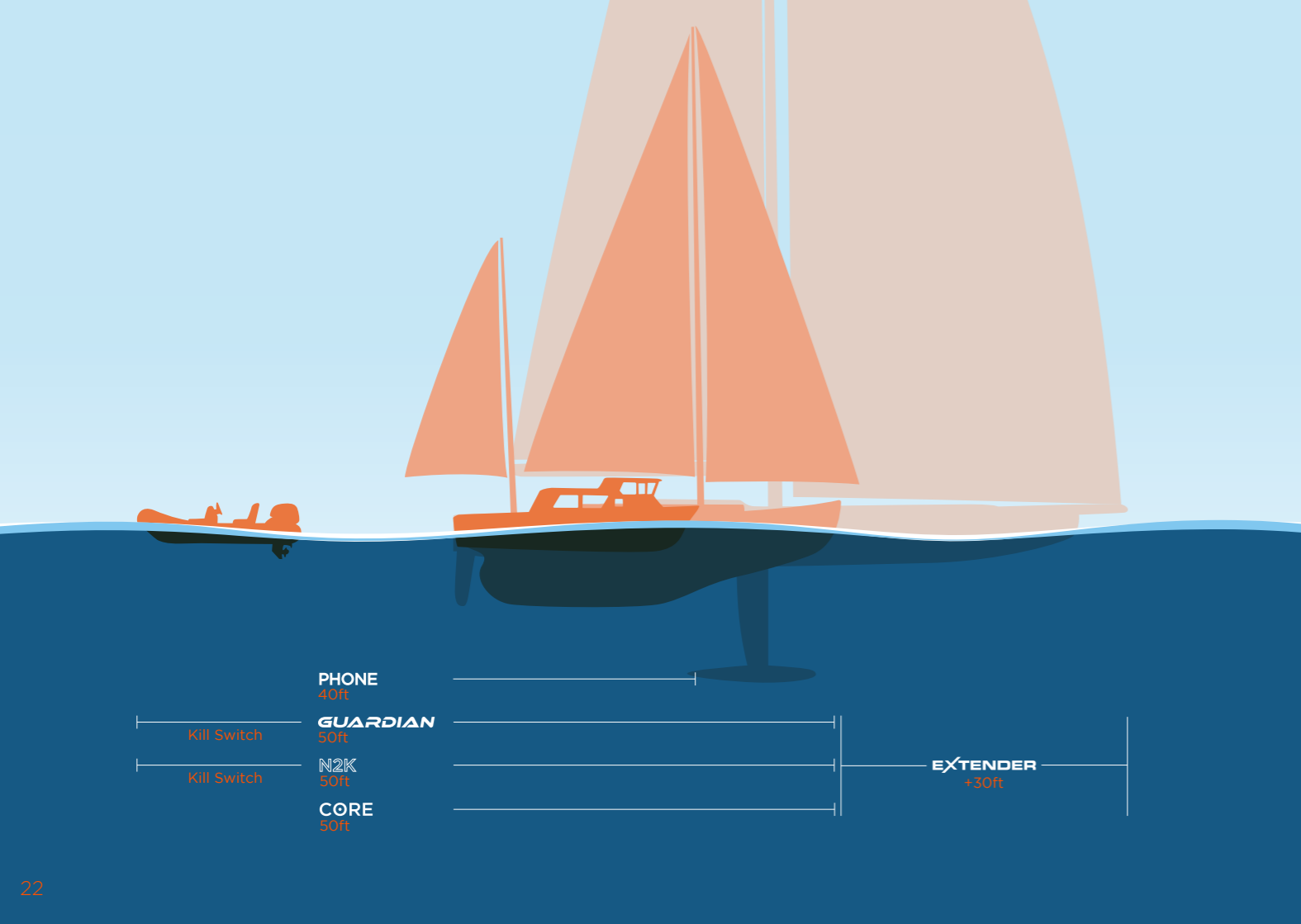
Any OLAS tag or Float-On can be allocated as a Smart Key using the OLAS App. If the user arrives at the boat with an 'OLAS Smart Key' the Guardian will automatically unlock.
If you don't have an allocated Smart Key with you then the OLAS mobile App can be used to unlock the Guardian using the custom access pin code.

1. Setup smart keys using the OLAS App
2. Stop the engine and activate Lock with the OLAS App or OLAS T2 tag
3. Walk away
4. Auto or manual unlock when you return to the vessel

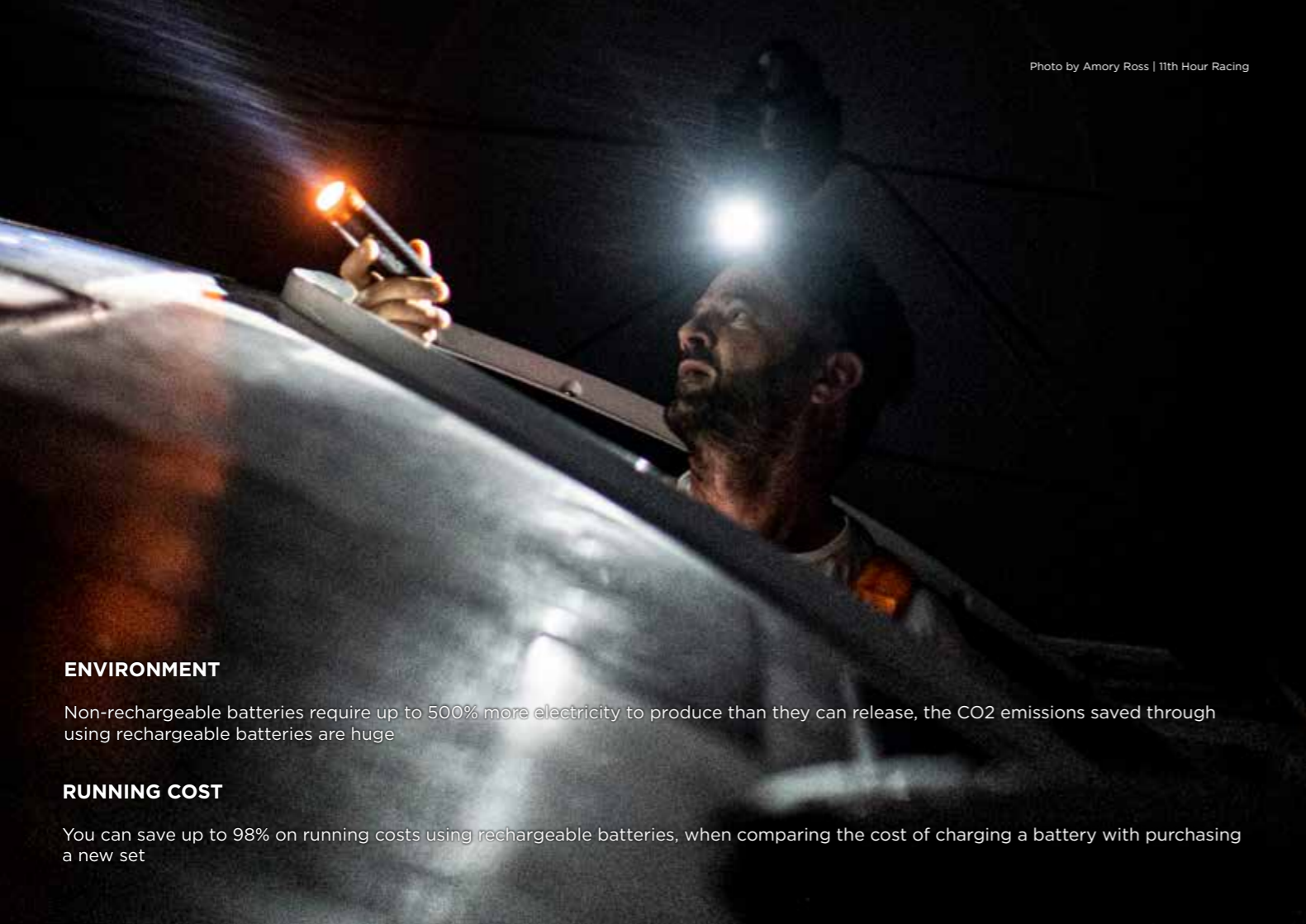
SCALABLE AND VERSATILE

The OLAS system can be scaled to suite your vessel length whilst the OLAS transmitters are interchangeable with all OLAS receiver.

System	Max. Vessel Length	Power	Max. Number of Transmitters	Min. Time Before Alert	Functions
OLAS Mobile Application	40ft	N/A	6	8 Sec	MOB alarm and rescue aid
Core (+OLAS App)	50ft	5V USB	15	4 Sec	MOB alarm (+external alarm and rescue aid)
Guardian (+OLAS App)	50ft	12/24V Wired	15	2 Sec	Kill switch, MOB alarm (+external alarm and rescue aid)
N2K (+OLAS App)	50ft	NMEA 2000	15	2 Sec	Kill switch, MOB alarm (+external alarm and rescue aid)
Extender (+Guardian/Core)	80ft	5v USB Rechargeable Battery	15	N/A	Extends the Core/Guardian range



MARINE LIGHTING



ENVIRONMENT

Non-rechargeable batteries require up to 500% more electricity to produce than they can release, the CO2 emissions saved through using rechargeable batteries are huge

RUNNING COST

You can save up to 98% on running costs using rechargeable batteries, when comparing the cost of charging a battery with purchasing a new set

PRODUCT CATEGORIES



WORK LIGHT

20 - 30-degree beam angle to illuminate wide areas.



SEARCH LIGHT

15 - 20-degree beam angle to illuminate large areas whilst searching.



SPOT LIGHT

Concentrated beam angle less than 9° for maximum beam distance.



Optimised Night Vision (ONV) Red and White

Instant access to red light to preserve night vision.



STROBE

High power strobe visible for over 3 nautical miles at night.



E-FLARE

High power red strobe light, designed to simulate a distress flare.

PRODUCT USE



HEAD TORCH

Designed to fit comfortably with minimal weight on the forehead.



POCKET TORCH

Designed to fit in a pocket, weighing less than 50 grams.



HAND TORCH

Designed to fit in the palm of your hand, weighing between 50-250 grams.

TECHNOLOGIES



MOB TECH

Patent pending water activated strobe technology - designed to prevent false activation.



OLAS

Bluetooth compatibility with OLAS mobile Application.



FLOAT

Precision engineering to ensure the light floats beam upright.



FUEL GAUGE

Traffic light battery level feedback (Green, Orange, Red, Red Flashing).



USB

Universal charging capability via USB ports.

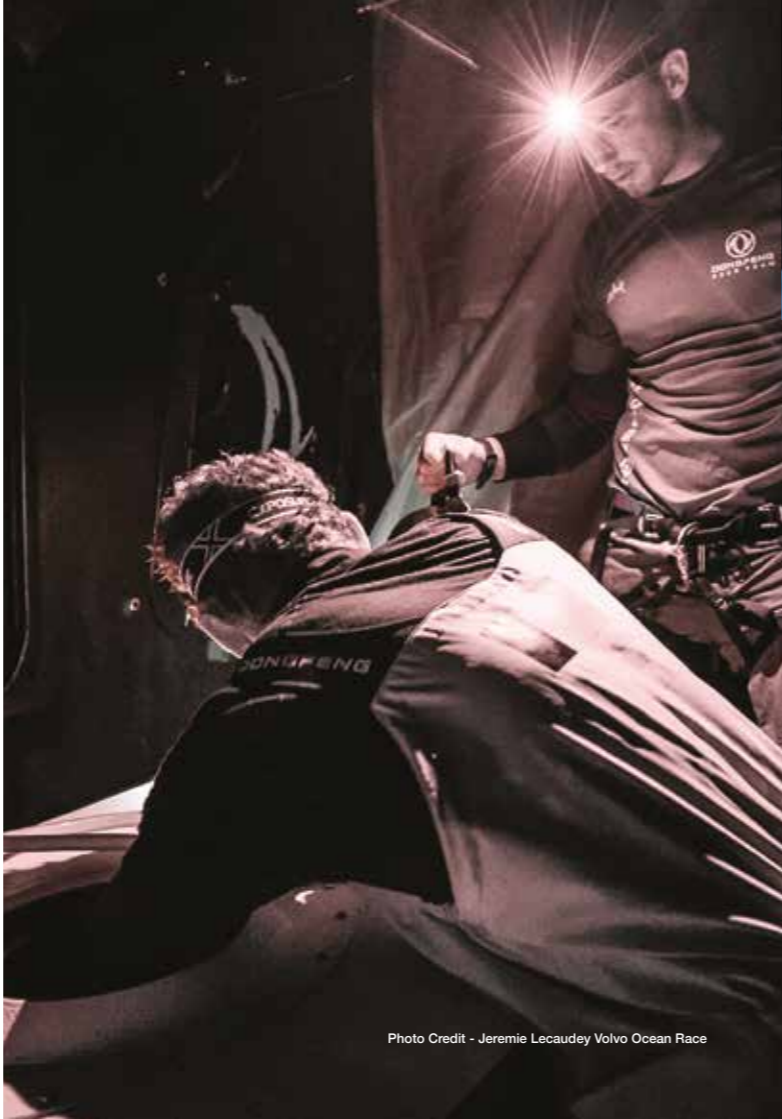


Photo Credit - Jeremie Lecaudey Volvo Ocean Race



SPOT ME

Output	250 Lumens (White)
Weight	35g
Runtime	5hrs
Depth Rating	1m



SPOT ME-R

Output	120 Lumens (Red)
Weight	36g
Runtime	5hrs
Depth Rating	1m



A compact waterproof strobe for sailors, paddlers, surfers and outdoor adventures. The unique 'click' single hand operation ensures simple operation when in distress.



RAW PRO

Output	200 Lumens (White)
Weight	43g
Runtime	1-25hrs
Depth Rating	5m

RAW XS

Output	200 Lumens (White)
Weight	45g
Runtime	1-25hrs
Depth Rating	5m

ACTION 9 SEARCH

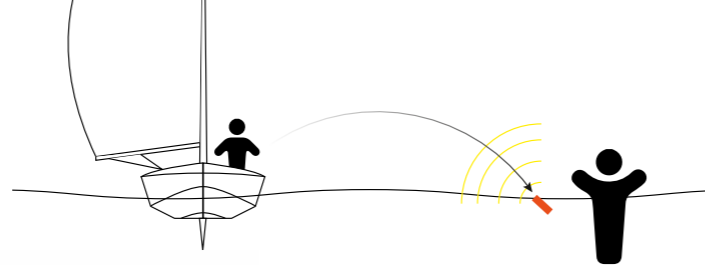
Output	1000 Lumens (White)
Weight	263g
Runtime	4-16hrs
Depth Rating	100m



A compact, lightweight headtorch with single click access to red or white outputs.

A compact, lightweight pocket torch with single click access to red or white outputs. Compatible with Exposure helmet brackets for side mounting (available separately).

Designed for maximum spotting ability to aid in search and rescue, or to act as a vessel's portable spot light.



PRODUCT MATRIX



MOB CARBON

Output | 1000 Lumens (White)
Weight | 95g
Runtime | 1.5-6hrs
Depth Rating | 5m



FLOAT-ON

Output | 160 Lumens (White)
Weight | 45g
Runtime | 1.5-12hrs
Depth Rating | 1m



A waterproof, floating search light with integrated water activated strobe (MOB Tech). Carbon and aluminum construction for maximum strength but minimum weight.

A waterproof, floating pocket torch with integrated water activated strobe (MOB Tech). A multi-functional safety aid for both novice and experienced boaters.

	SPECIFICATION						TECHNOLOGY / FEATURE				
	Lumens	Run Time	Weight (g)	Size	Output colour	Depth rating	MOB Tech	OLAS	Float	Fuel Gauge	USB
OLAS FLOAT-ON	160	1-12 hrs	45	83x34	White	1 m	✓	✓	✓	✓	✓
FLOAT-ON	160	1-12 hrs	45	83x34	White	1 m	✓		✓	✓	✓
MOB CARBON	1000	1.5-6 hrs	95	130x37mm	White	5 m	✓		✓	✓	✓
ACTION 9 SEARCH	1000	4-16 hrs	263	124x50mm	White	100 m				✓	✓
RAW-XS	200	1-25 hrs	45	70x30mm	White / Red	5 m				✓	✓
RAW-PRO	200	1-25 hrs	43	55x35mm	White / Red	5 m				✓	✓
SPOT-ME	250	5 hrs	35	50x24mm	White	1 m					
SPOT-ME R	120	5 hrs	36	50x24mm	Red	1 m					

A photograph of two crew members on a boat at night. They are wearing bright orange racing gear with the number '11' on the front. The crew member on the left is wearing a headlamp, and the crew member on the right is looking towards the camera. The background is dark, with some ropes and equipment visible on the boat.

CONTACT

Exposure OLAS

Bury Mill Farm
Bury
Pulborough
West Sussex
RH20 1NN
United Kingdom

Tel +44 (0)1798 839300

Email info@use.group