

CREWSAFE®

# THE LEADING DESIGN IN MAN OVERBOARD SAFETY SYSTEMS



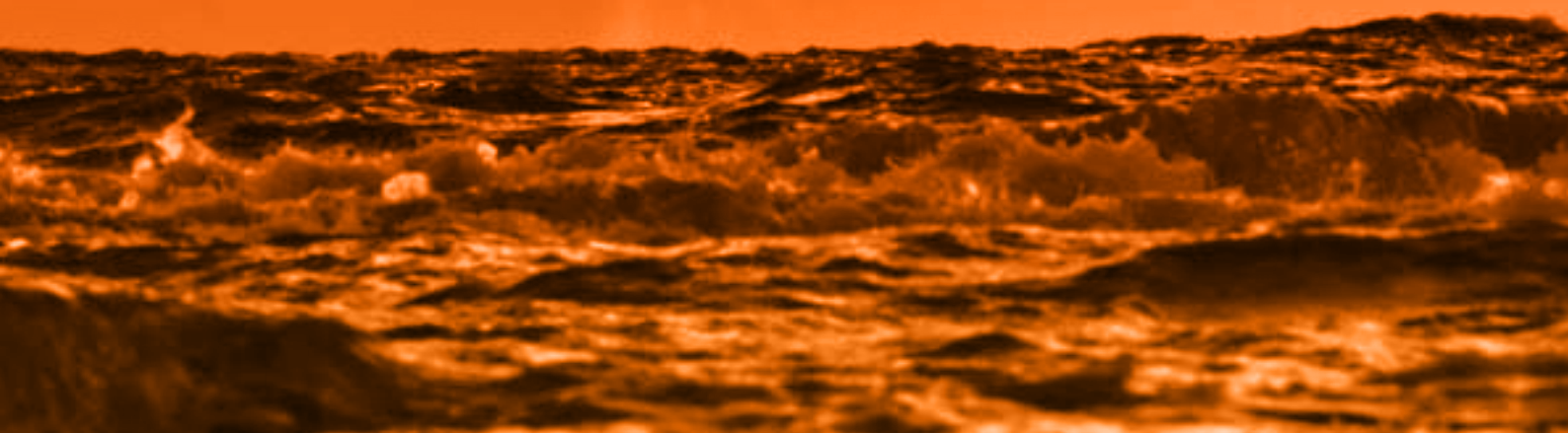
Protect your most valuable assets, your employees,  
with **Mobilarm Crewsafe** – the wireless safety system that  
automatically detects man overboard events.



**MOBILARM®**

ALWAYS ON WATCH

**“MAN OVERBOARD IS THE  
SINGLE LARGEST CAUSE  
OF MARINE FATALITIES”\***



\* Source: NMSC, 2005-2006

## **ALWAYS ON WATCH**

Mobilarm Crewsafe provides a new level of marine employee safety and security through crew location monitoring, automatic alarming and waypoint creation in a man overboard event.

## **REDUCE RISK**

Mobilarm Crewsafe can reduce or remove the risk of an undetected man overboard event by instantly alerting crew so they can respond quickly and efficiently.

## **MITIGATE CONSEQUENCES**

Man overboard events will happen, but how quickly you and your crew react can surely affect the outcome. The Crewsafe automatic man overboard alarm enables a faster rescue and greater chances of survival.



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# WHAT IS MOBILARM CREWSAFE?

Mobilarm Crewsafe is a wireless sensor network that constantly monitors crew safety. Each crew member wears a small "Tag" which communicates with the network.

The network automatically detects a man overboard event and alerts all crew to the emergency.

## A CREWSAFE TAG

Personal transceiver worn by all employees

- Automatically triggers alarm in man overboard event
- Also features Duress Button to manually activate alarm in an emergency
- Operates for a minimum of 48 hours between recharges



## B EXTERNAL ROUTER

Provides network coverage for exposed areas

- UV-stabilised case, heat-proof to 70°C (158°F) and fully sealed to IP67
- Strobe flashes in alarm mode
- Features switch input and relay output to connect to other devices such as sirens and warning lights



## C INTERNAL ROUTER

Provides network coverage for enclosed areas

- Emits audio alert and strobe flashes in alarm mode
- Features Alarm Button to manually activate alarm
- Switch input and relay output to connect to other devices such as sirens and emergency lighting



## D POWER DOCK

Stows and recharges Tags when not in use

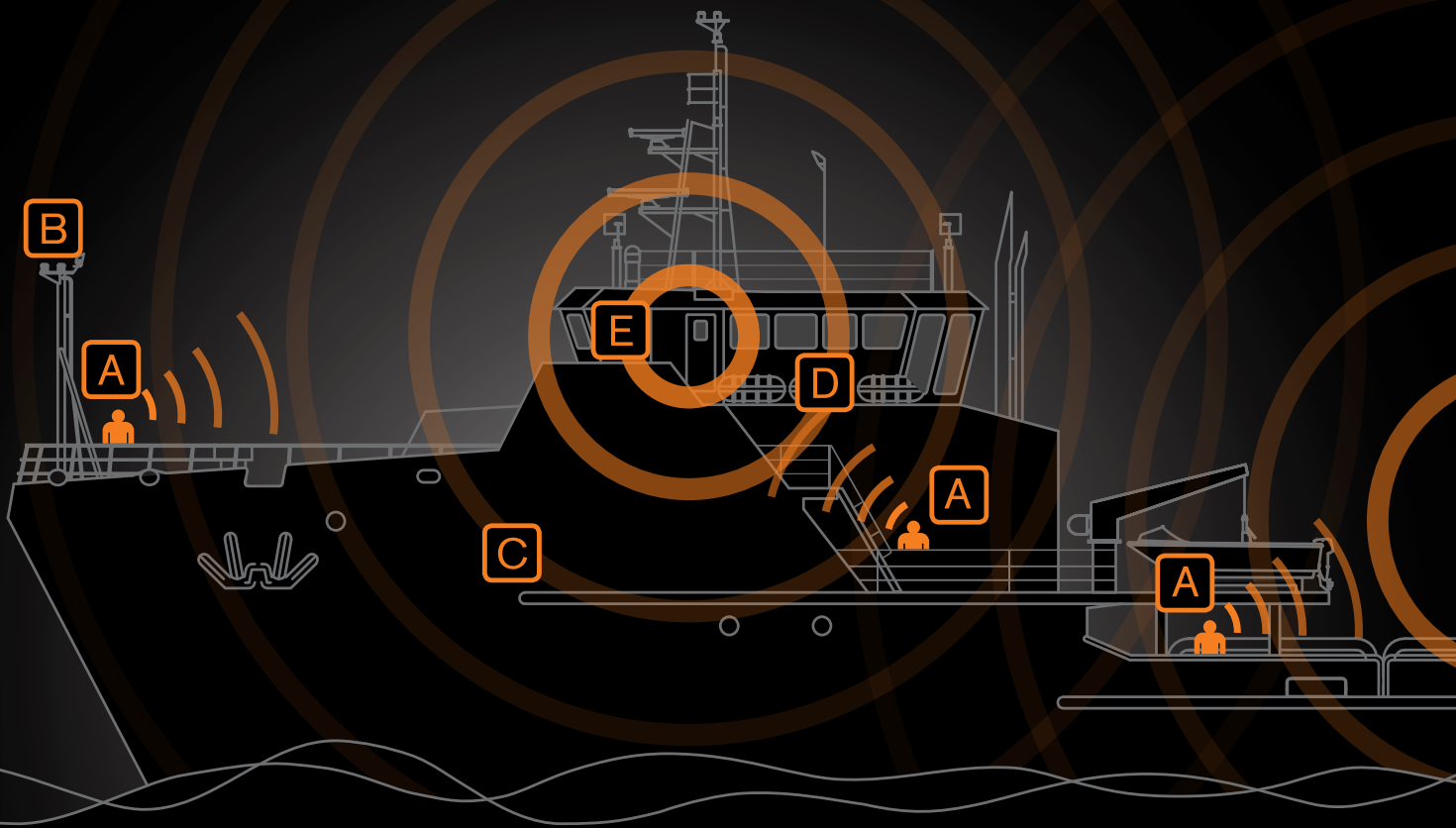
- Each power dock holds 4 Tags
- Tile up to 4 power docks together from single power source
- Indicates when fully charged



Mobilarm Crewsafe is fully scalable and additional routers can be added to the network at any time.

# HOW MOBILARM CREWSAFE WORKS

A wireless sensor network is installed on the vessel or facility to connect crew to the Crewsafe system, which monitors their safety at all times.



1

CREWSAFE  
MONITORS  
TAG SIGNAL

2

MAN OVERBOARD  
INCIDENT IS  
AUTOMATICALLY  
DETECTED

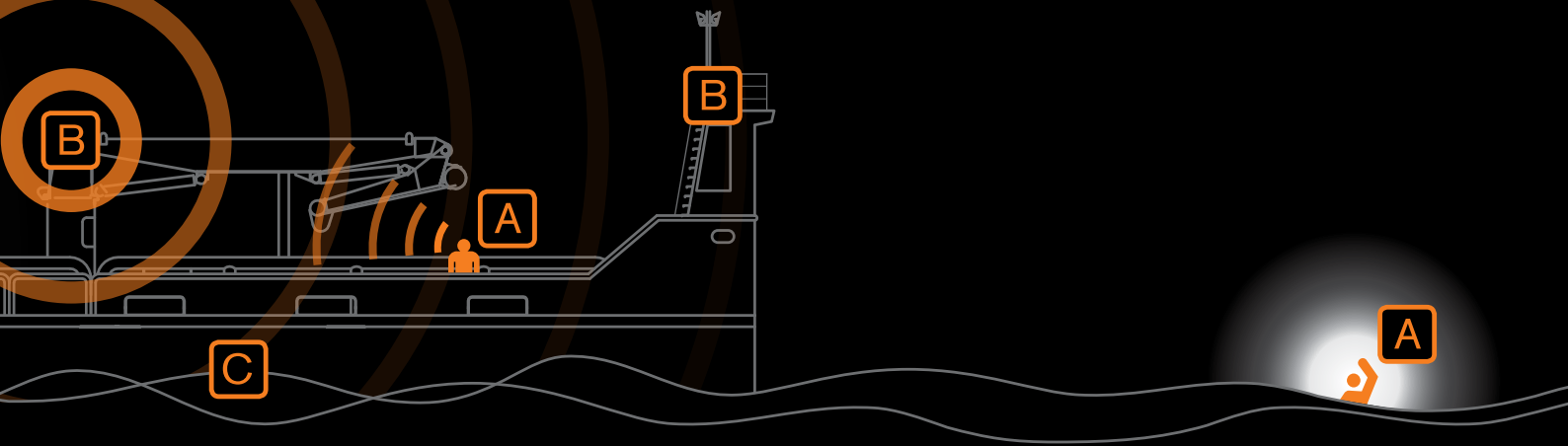
3

CREWSAFE LOGS  
A WAYPOINT  
AND RAISES  
THE ALARM

## APPLICATION FLEXIBILITY

Crewsafe is a highly scalable system that is suitable for any marine vessel, including:

- FPSO's and Production Platforms
- Drilling Rigs and Offshore Service Vessels
- Commercial Fishing Vessels
- Sailing Yachts and Powerboats
- Regulatory, Military and Customs Vessels
- Search and Rescue Assets
- Wharves and Loading Facilities



# 4

CREW REACT  
TO ALARM AND  
LOCATE MAN  
OVERBOARD

# 5

CREWSAFE  
STANDS DOWN  
THE ALARM WHEN  
MOB IS RETRIEVED

# CREW SAFETY MANAGEMENT AT YOUR FINGERTIPS

In a man overboard emergency, having access to clear, accurate information is critical to give crew the best chance of rescuing their crewmate.

Crewsafe instantly reports all emergency alarms and interfaces with GPS or navigation systems to provide essential track back data on demand. The entire network is managed from a single point of command with either the Windows®-based Crewsafe Management System, or the stand-alone Crewsafe Display Console.



Crewsafe Management System

## **E** CREWSAFE MANAGEMENT SYSTEM

Intuitive user interface to control all aspects of the Crewsafe® network

- Marine-grade, dedicated touch screen display
- Easy-to-use, requires no specialist training
- Straightforward menu navigation



- Use the Change View button to take a 360° look at the network
  - See crew's approximate location
  - Monitor network health and performance
  - Page individuals or groups of workers
- Use the Control Panel menu to log information such as vessel details, safety equipment and personnel files
  - Receive automated reminders and warnings when equipment needs servicing or replacing
- Use the Help menu to access comprehensive medical fact sheets (provided courtesy of the St John Ambulance Organisation)

## **F** CREWSAFE DISPLAY CONSOLE

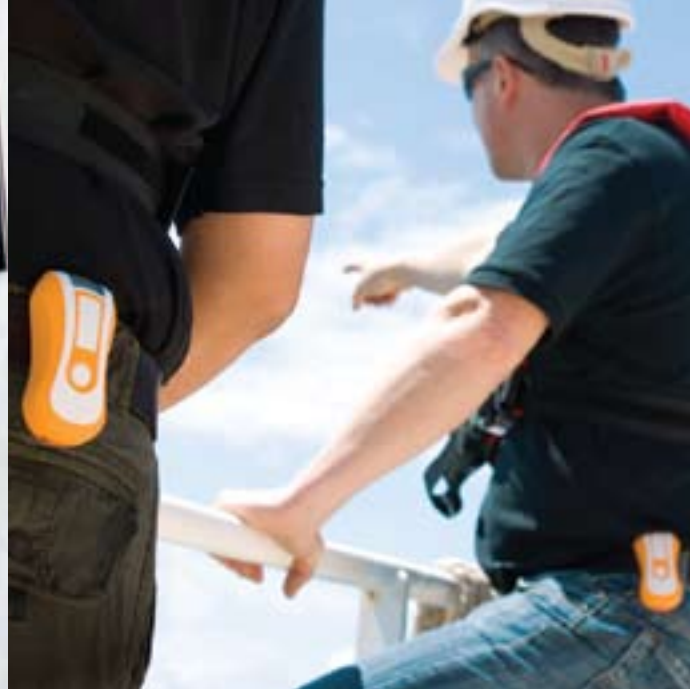
Suitable for smaller vessels, providing simplified monitoring of up to 12 Crew/Tags, network health, GPS signal and alarm notification.<sup>1</sup>

- Reports alarms and network faults via LED display and audio alert
- Can initiate general alarm, acknowledge/mute and cancel alarms
- Features switch input and relay output to connect to other devices such as engine cut-out, sirens and warning lights



Crewsafe Display Console

<sup>1</sup> When connected to a compatible NMEA0183 chart plotter or GPS



## LEADING DESIGN

The Crewsafe network can be easily expanded and customised to accommodate the unique requirements of any commercial marine environment, such as vessel or facility size, layout, construction materials and number of crew on board.

### Scalable

- Increase the number of routers as necessary to cover the crew's working environment
- Add more Tags to the network as the workforce grows
- Interface with external devices to implement additional safety and security measures

### Practical

- Ergonomic Tag design makes Crewsafe an integral part of the crew's safety equipment regime.
- Multiple incidents can be reported and tracked simultaneously
- "Fail-safe" methodology – Tag signal failure for any reason results in an alarm

### Reliable

- Industrial-grade specification for safe and long-lasting performance
- Features low battery warning and network fault alarms
- All external components rated to IP67 or better

### Cost Effective

- Modular system means you only install the components you need
- Optional service and maintenance plans
- Leasing options available<sup>2</sup>

<sup>2</sup> Terms and conditions apply. Ask for details.







## AUTOMATED CREW SAFETY MONITORING

Crewsafe offers a dedicated onboard marine safety platform that provides:

- Crew location monitoring
- Automatic alarm
- Manual duress alarm
- Waypoint creation<sup>3</sup>
- Individual and group paging
- Management of safety equipment and rescue assets
- Database of MOB recovery instructions, First Aid procedures and resuscitation techniques (courtesy of St John Ambulance), emergency contacts and other useful help files

<sup>3</sup> When connected to a compatible chart plotter

## CREWSAFE ESSENTIALS

With Crewsafe Essentials, creating a Crewsafe network couldn't be easier. Connect power to the Crewsafe Display Console and the Power Dock, turn on the Tags and a fully functional Crewsafe network is protecting your crew immediately.

If you have more people on board, add more Tags to the network, and if you need to extend network coverage, add internal and external routers as required. All Crewsafe components are fully compatible and are easily configured to your unique Crewsafe network in situ.

### **Crewsafe Essentials comprises:**

**1 x Crewsafe Display Console**

**2 x Crewsafe Tags**

**1 x Power Dock**

See back page for ordering information or visit [www.mobilarm.com](http://www.mobilarm.com)

Mobilarm is the world's leading brand in electronic marine safety equipment that protect and saves lives in the commercial marine workplace. Mobilarm delivers crew monitoring systems for use on vessels and in marine-based facilities, which generate automatic and immediate alerts in emergencies involving personnel.

### Ordering information

Part Number	Product Description
MOA-00170	Crewsafe Management System, 8.4" Touch-Screen
MOA-00160	Crewsafe Essentials (comprising 1 x Display Console, 1 x Power Dock, 2 x Tags)
MOA-00140	Crewsafe Tag
MOA-00150	Crewsafe Power Dock
MOA-00120	Crewsafe Internal Router
MOA-00110	Crewsafe External Router
MOA-00130	Crewsafe Display Console
MOA-00200	Mobilarm V100
MOA-00201	Mobilarm V100 Extended Warranty

For full product details, visit [www.mobilarm.com](http://www.mobilarm.com)

Specifications	
Personal Area Network	2.4 GHz ISM band
Wireless Network Protocol	IEEE 802.15.4
System Nodes Supported	Maximum 32 Routers and 48 Tags. Total number of nodes must not exceed 64.
Power Supply	11 to 30V DC
Compliance	
Safe Compass Distance	IEC 60945
Certifications	CE, FCC

AUTHORISED RESELLER:

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No system or device can be 100% fail safe nor can it guarantee safe rescue in an emergency. Installation faults and operator error will always introduce the possibility of undetected man overboard (MOB) events, as can circumstances and events beyond the equipment's design criteria. Actual time and success of rescue is therefore dependent on many contributing factors and as such, is outside the control of Mobilarm. Mobilarm systems should never be relied on as the only source of MOB notification and the owner, operator or master must exercise common prudence and good seamanship at all times. Installation and operation of a Mobilarm system in no way reduces the accountability of the owner, operator or master who has the primary responsibility for safety.

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