

# Personnel Monitoring, Location & Rescue Communication System

SC4 | 



**SUCCORFISH**  
M 2 M

# Guarantee the safety of personnel and lone operatives working in extreme conditions anywhere in the world

Revolutionary for those requiring the ultimate safety and rescue system, the SC4 provides total accountability and connectivity for personnel working in remote, dangerous or challenging global environments on land and sea.

Incorporating dual Iridium satellite and GPS/GPRS/GSM global technology as well as AIS SART, COSPAS-SARSAT 406-121.5 and ISM band radio, the SC4 transmits accurate, real time tracking, positional and communication data to within TWO METRES worldwide.

Its robust, non-intrusive, portable design makes it easy to deploy whilst a simple, multi-platform, SOS alert function instantly transmits casualty position and tracks actual movement until rescue.

No other product offers a single, 'all in one' solution or the same high level of personnel safety, communication and rescue for critical operational applications.



Personnel



- |             |  |                    |
|-------------|--|--------------------|
| Forestry    |  | Transport Engineer |
| Fisheries   |  | Pilot              |
| Lone Worker |  | Adventurer         |
| Offshore    |  | Renewables         |
| Coastguard  |  | Oil & Gas          |
| Agriculture |  | Exploration        |
| Covert Ops. |  | Tactical Operative |
| Anti-Piracy |  | Mining             |



## Key features | dimensions: 175mm X 120mm X 50mm, weight: 350g

Superior global operating functionality on land and sea from -40°C to +80°C and to a depth of 40m.

Built to MilSpec 810G standards to withstand extreme vibration, shock and temperature.

Automated or manual SOS activation provides live time tracking of actual casualty movement and not solely the position of activation.

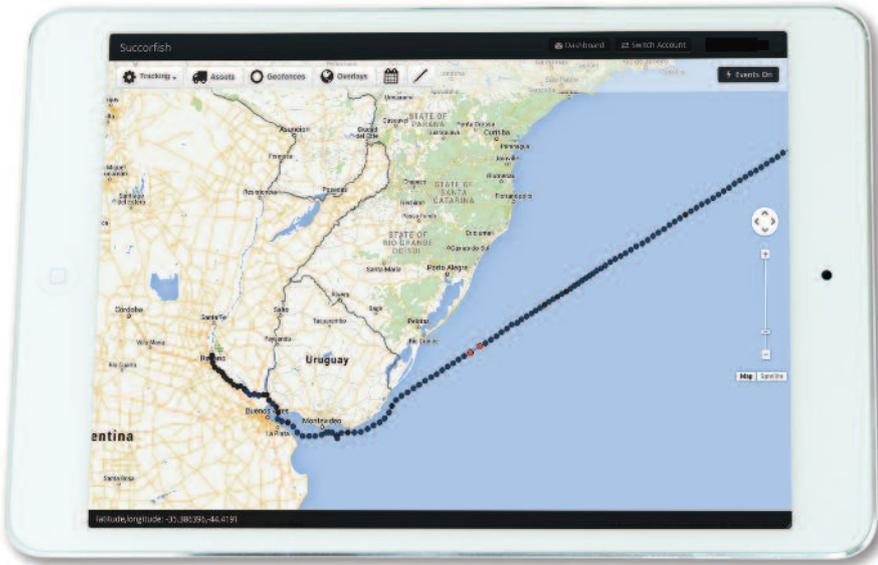
Man overboard (MOB) function transmits instant SOS to closest sources of maritime assistance through built-in AIS-SART transmitter.

Communicate directly with your own personal contacts via pre-programmed text and email beacons.

Subsea IPX marine capability to a depth of 40m.

**SUCCORFISH**

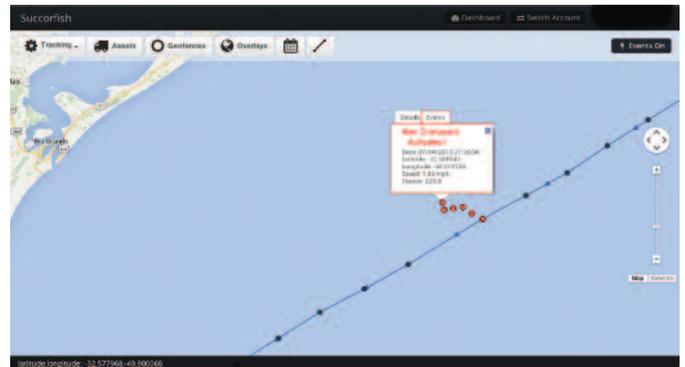
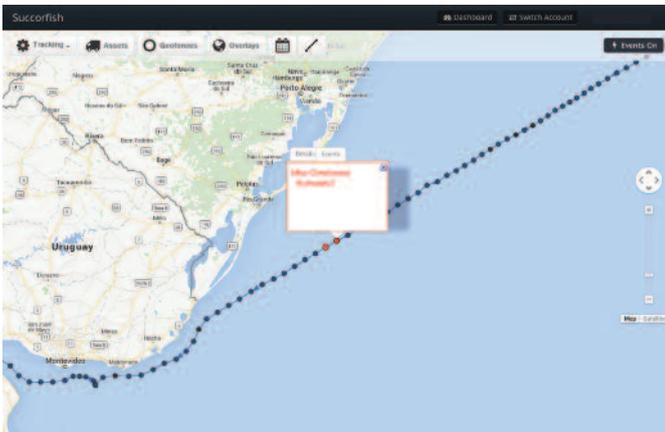
# Real time connectivity data is securely transmitted via a sophisticated but easy to use, graphical user interface (GUI).



Innovative SuccorfishM2M software and an accompanying download app. have been specifically created to meet the needs of industry and provide instant access to high worth asset data.

Valuable data including live operational position of personnel, secure text/email communication, SOS alert, casualty movement and rescue status is streamed back live to any PC, desktop or mobile device via a secure, tiered password protected, graphical user interface.

Users can allocate administrative permissions and pre-set specific data requirements including personal contact alerts for man overboard (MOB) emergencies. In addition to international AIS-SART and COSPAS-SARSAT assistance, this allows organisations to move fast and deploy proactive and life saving rescue strategies within seconds.



## Key features | software capabilities

Industry specific experience to ensure best practice of data availability, security, backup, disaster recovery and support.

Rapid response and constant feedback into the core system to ensure superior functionality.

SaaS model to reduce fixed costs and lower overall expenditure on hardware and management.

Remote, secure, online access and control from any internet connection.

**SUCCORFISH**

M 2 M



## SC4 | Technical Specification

Internal antenna array	Intelligent transmission protocol	transmission periods, SOS morse code message
PLB/AIS/SART/121.5/406MHz search and rescue beacon (SAR)	Auto man-over-board (MOB) activation	NMEA 0183/NMEA2000 capability
Positive buoyancy	GPS accurate to two metres	Man-over-board GPS location information utilising AIS-SART
Built to Milspec 810G/vibration/shock/temperature	MOB range distance of casualty to vessel 20 miles (clear LOS conditions)	Send device location and communication messages via e-mail and text
Global coverage via LEO satellite (Iridium) constellation	Manual PLB emergency activation	Local and 'online' GUI software
Real time GPS position	USB and wireless charging options	Encrypted AES 256 data protocol
GPS, GLONASS, Beidou, Galileo and SBAS	Independent six year battery life cell for emergency operation	1.8" communication display screen option
Navigates to -162dBm and tracks to -166dBm providing improved performance in harsh environments	Motion sensor for unit activation - max battery life	Send and receive communication messaging
Simultaneous multi-constellation positioning	Bluetooth BLE4.0	Multiple intelligent device power management options
9 axis motion tracking engine	Waterproof to 40m - dive ready	Multi-constellation GNSS
Operational depth to 40m	Audio and visual status confirmation	Ultra-sensitive GPS
3G Quad band GSM module	Auto check in and location report position via on-line mapping software	Satellite-based augmentation system (SBAS) compliant
Iridium 9603 (SBD) modem	ISM band radio	WIFI
Triple axis accelerometer	Data output onto onboard plotter, visual display	
	SOS L.E.D – operational during emergency	

## Associated Products |



(please ask for more details)



SC2 - A hard-wired, fit for purpose, asset communication hardware system offering superior pole-to-pole connectivity and designed for robust applications.



SC4-X - A new, revolutionary elite operator messaging hardware system delivering secure, two way, subsea communications to a depth of 40m.

## SuccorfishM2M | all enquiries please contact

SuccorfishM2M is at the cutting edge of designing and manufacturing robust, fit for purpose, hardware, software and data communication solutions for assets working in the most extreme environments.

Based in the UK but with a manufacturing facility in the US and distribution partners worldwide, our machine-to-machine products are designed by experts to withstand the toughest operating conditions. They are the preferred choice for organisations requiring a sophisticated yet cost effective, 'fit and forget' asset monitoring and data capture system. See [www.succorfish.com](http://www.succorfish.com) for more details.

T: +44 (0) 191 447 6883  
 E: [sales@succorfish.com](mailto:sales@succorfish.com)  
[support@succorfish.com](mailto:support@succorfish.com)  
[www.succorfish.com](http://www.succorfish.com)

SuccorfishM2M Ltd  
 (Head Office)  
 The Barrack's Building  
 Clifford's Fort  
 North Shields Fish Quay  
 Tyne & Wear  
 UK  
 NE30 1JE