Survited MARINE SAFETY AND SURVIVAL SOLUTIONS

PROUDLY OBSESSIVE







Safety Solutions Provider





Servicing & Maintenance



Marine Evacuation Systems

Introduction	Page 8
Marin Ark 2	Page 10
Marin Ark 1	Page 11
Marin Ark 109	Page 12
Superslide	Page 13
Marin Ark Over Capacity Liferaft	
Easyscape Slide	Page 15
Brude Evacuation System Chute	Page 16
DBC Evacuation Chute	Page 17
Transfer & Escape Equipment	Page 18
MES Crew Training	Page 20



Liferafts

Introduction	Page 22
Surviva	Page 23
Surviva Self Righting	Page 24
Surviva Reversible	Page 24
Ferryman	Page 25
Means Of Rescue (MOR)	Page 25
Seasava	Page 26
LR07	Page 26
LR97SR Self-Righting	Page 27
LR97 (R) Open Reversible	Page 28
Survitec Liferaft	Page 28
Self-Righting	Page 29
Open Reversible	
Means Of Rescue (MOR)	Page 30
Polar Code Liferaft Solution	Page 31
Hammar	Page 31
Liferaft Rental	Page 33



Lifeboats & Rescue Boats

Introduction	Page 34
Twin Fall & Single Fall Davit-Launched	Page 36
Free Fall Davit-Launched	Page 37
Davits and Re-Hooking	Page 38
Safelaunch ROC-LOC	Page 39
Safelaunch Release & Retrieval System	Page 39
Combined Davit Launched Liferaft/Rescue Boat Automatic	
Release Hook (SLA 3.5)	
Fall Prevention Device (FPD)	Page 40
RIBO	Page 41
SurvitecZodiac Fast Rescue Boat (FRB) 600	Page 42
DSB Inflatable Rescue Boats	Page 43
DSB Semi-Rigid Inflatable Rescue Boats	
DSB GP 470 FR (Flood Rescue)	Page 45
Engines & Prop Guards	Page 46



Personal Lifesaving Appliances (LSA)

Introduction	Dage 17
Immersion Suits	Page 48
Survival Suits	Page 51
Drysuits	Page 52
Lifejackets	Page 53
Single Chamber Lifejackets – The Workvest Range	Page 54
SOLAS/MED Approved Twin Chamber Lifejackets	Page 56
SOLAS/MED Approved Foam Lifejackets	Page 58
Rescue Lifejackets	Page 60
Man Overboard Equipment	Page 62



Personal Protection

Introduction	.Page 64
Portable Gas Detection	.Page 65
Emergency Breathing	.Page 66
Self Contained Breathing Apparatus (SCBA)	.Page 67
Chemical & Spill Protection	.Page 68



First Aid & Medical

Introduction	Page 69
First Aid Kits	Page70
Defibrillators	Page70
Eye Wash Stations	Page70
Emergency Showers	Page70
Oxygen Resuscitation Equipment	Page70
Stretchers	Page 70



Emergency Communication

Introduction	Page 71
Sailor Fire Radio	Page 71
Signalling Equipment	Page 72
Safety Signs & Manuals	Page 72
McMurdo Electronics Range	Page 73
PainsWessex & Comet Pyrotechnics Range	Page 73



Fire
Extinctior

Introduction	Page 74
Full Protection Water Mist	Page 75
Dry Chemical Powder System	Page 76
High Pressure CO ₂ System	Page 77
1230 Clean Agent System	Page 78
Inergen System	Page 79
Deck Foam System	Page 80
High Expansion Foam System	Page 81
Deep Fat Cooking System	Page 82
Fire Extinguishers	
Fire Accessories	Page 85

86

Fire Protection & Detection

Introduction	Page 86
MP Inert Gas Generator Solutions	Page 87
MP Dry Inert Gas Generator	Page 88
MP Nitrogen System	Page 89
Other Combustible Inert Gas & Nitrogen System	Page 90
Fire Detection and Alarm System	Page 91
AC/OX Gas Distribution System	Page 92
Fire Suits	Page 94









COMPLETE SAFETY SOLUTIONS PROVIDER -EVERYTHING YOU NEED TO REMAIN SAFE AND COMPLIANT.

Now that Survitec is the world's largest maritime safety business, we are in a position to turn the whole industry onto a different heading. We are already thinking more radically about how we can assist our customers in their pursuit of continuous improvement – how to do things faster, better, cheaper or easier.

With more liferafts, lifejackets, fire systems, safety products and service stations around the world than our nearest competitor, nobody can offer better last mile global coverage than Survitec can. We are determined to use our size and strength to take maritime safety in a different direction – one that delivers new benefits to your business.

Whether your requirements are for one-off product sales or for complete safety asset, our dedicated teams are always ready to listen to your challenges and are on hand to offer a comprehensive solution, tailored for your business.

Throughout our 160-year history, Survitec has remained at the forefront of innovation, design and application engineering and is the trusted name when it comes to critical safety and survival solutions.









DEDICATED GLOBAL SUPPORT WORLD'S LARGEST SUPPLY AND SERVICE NETWORK





500+ ACCREDITED SERVICE STATIONS

COVERAGE AT 2000 PORTS WORLDWIDE

8 WORLD-CLASS MANUFACTURING FACILITIES

12 OFFSHORE SUPPORT LOCATIONS

INTERNATIONAL PRESENCE IN 96 COUNTRIES



SERVICING & MAINTENANCE

MARINE EVACUATION SYSTEMS (MES), LIFERAFTS, LIFEJACKETS, LIFEBOATS, RESCUE BOATS, SURVIVAL SUITS & FIRE EQUIPMENT



With over 160 years' experience to our name, we ensure your equipment receives only the very best care and attention throughout its entire safety lifecycle.

We are the world leader in the supply, inspection, testing and maintenance of safety and survival equipment. Through our network of 500+ accredited service stations, we offer a truly global service covering over 2,000 ports worldwide. We have a renowned reputation for reliability of service and workmanship. Our work is always to the highest standard and our technical ability is continuously being upgraded with the latest equipment, facilities and training.

LIFEBOAT INSPECTION

Using our well trained and experienced lifeboat engineers we are able to meet both your annual and 5-year inspection requirements. This includes overload testing, LRRS and launching appliance maintenance and overhaul, and a full range of new lifeboat and davit supply and commissioning. These activities are completed in accordance with SOLAS III and IMO requirements, under our Classification Societies and Flag States' approvals, assuring our customers we meet and surpass the statutory requirements.

SERVICING CAPABILITY

- ✓ FULL SERVICING SOLUTIONS FOR MARINE EVACUATION SYSTEMS (MES), LIFERAFTS, LIFEJACKETS, LIFEBOATS, RESCUE BOATS, SURVIVAL SUITS & FIRE EQUIPMENT
- ✓ INFLATABLE TUBE AND GLASS FIBRE HULLS REPAIRS FOR RIBS AND RESCUE BOATS
- ✓ TESTING AND REFILLING OF GAS CYLINDERS & FIRE EQUIPMENT
- ✓ EACH SERVICE CERTIFICATE PRINTED WITH A UNIQUE CODE TO RECORD WHERE A SERVICE HAS BEEN CARRIED OUT

See page 35 for more information.



SERVICE STATIONS

- ✓ STRATEGICALLY LOCATED SERVICE STATIONS ENSURE MINIMUM DELAY IN THE DELIVERY AND COLLECTION OF EQUIPMENT
- ALL SURVITEC AND SURVITEC APPROVED SERVICE STATIONS ARE AUDITED AND APPROVED TO THE HIGHEST STANDARDS OF LEGISLATIVE ORGANISATIONS AND GOVERNMENT ASSOCIATIONS AS WELL AS THE PRODUCT ORIGINAL EQUIPMENT MANUFACTURER (OEM)
- ✓ OUR SERVICE STATIONS ARE REQUIRED TO STOCK A QUANTITY OF APPROVED SPARE PARTS
- ✓ ONLY APPROVED AND TRAINED SERVICE ENGINEERS ARE AUTHORISED TO CARRY OUT WORK
- SERVICE ENGINEERS MUST ATTEND REFRESHER COURSES ONCE EVERY THREE YEARS
- ✓ TRAINING, AUDIT AND CERTIFICATION RECORDS ARE TRACKED THROUGH A GLOBAL SERVICING DATABASE TO MAINTAIN CONSISTENTLY HIGH SERVICING STANDARDS

AT SURVITEC WHEN YOU PURCHASE YOUR SAFETY EQUIPMENT IT IS ONLY THE BEGINNING OF YOUR RELATIONSHIP WITH US. SAFEGUARDING LIVES THROUGH HIGH QUALITY SAFETY EQUIPMENT IS AT THE HEART OF EVERYTHING WE DO.

11

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MARINE EVACUATION SYSTEMS

The Marine Evacuation range of products epitomises everything that Survitec stands for - quality products, offering unparalleled safety coupled with real value for money. No other evacuation system in the world comes close to the superior design of Survitec Marine Evacuation Systems (MES) - designed alongside our fully reversible liferafts and fully enclosed evacuation slides and chutes, all stowed in one complete evacuation unit on your vessel.

Our design teams work tirelessly to continuously improve and extend our MES range of products, the result – an enviable MES portfolio to suit any operator requirements, making Survitec the supplier of choice for many operators globally.

In addition we offer an unmatched after sales service, our extensive range of services will ensure the customer is fully supported throughout the supply process. Such services include full consultation and technical services, provision of on-board solutions, all supporting technical documentation for Class & Flag approval, and regulatory compliance. Through our extensive servicing network we are also able to deliver your servicing requirements at a location convenient for you.

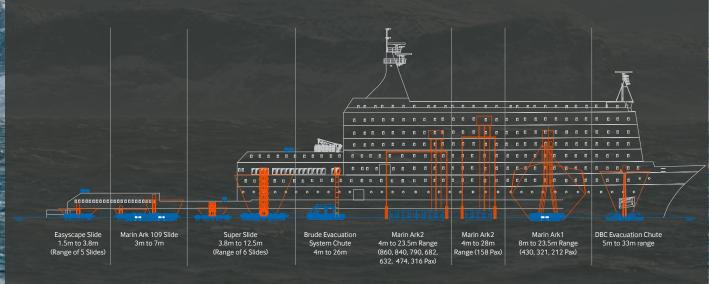
Finally, to help ensure your crew know what to do should you unexpectedly have to use your safety equipment in an emergency situation we offer 'Crew Training'.





CHOOSING THE RIGHT MARINE EVACUATION SYSTEM

Each installation of an MES system is custom-made to suit your vessel requirements. Considerations include vessel weight, type, evacuation height and number of passengers. MES options are available to suit your specific requirements across small vessels, ferries, larger passenger and cruise ships.



MES SYSTEM	BEST SUITED FOR	ADVANTAGES	APPROVALS	CUSTOMERS EMPLOYING SYSTEM
Easyscape Slide	Ferries and high speed vessels requiring a relatively lightweight system such as catamarans	Lightest system available and can deploy from freeboard heights up to 3.8 metres	SCG, TC, SOLAS, EC/MED	BC Ferries, BC Department Of Highways, French Navy, Hong Kong Ferries, Newfoundland Ferries, STQ, Venecian Ferries, Washington State Ferries, Norled, IDO, Rodne, Sonner
Superslide	High speed vessels requiring a relatively lightweight system such as fast ferries and catamarans	Lightest system available and can deploy from freeboard heights up to 12.5 metres	USCG, TC, SOLAS, EC/MED	Calmac Ferries, Conseil General de la Gironde, French Navy, Norled, Owen Sound Transportation, Egyptian Navy, Ven Trafikken, Delaware River and Bay Authority, Transport Canada/Bay Ferries
Marin Ark	Large vessels with high freeboard decks, ferries, naval vessels and world-leading ships in the cruise industry	High degree of functionality - twin chutes with fewer liferafts, requires minimal crew to activate and can deploy from up to 28 metres	SOLAS, EC/MED, TC	Princess Cruises, Celebrity Cruises, MSC Cruises, RCCL Cruises, NCL, Dream Cruises, P&O Cruises, Stenaline, P&O Ferries, Vikingline, BC Ferries, Balearia Ferries, Brittany Ferries, Bluestar Ferries, UK Navy, US Navy, Royal Australian Navy, Spanish Navy, Turkish Navy, Danish Navy
Marin Ark 109	Vessels with freeboard up to 7 metres	Robust Fully Reversible Liferafts with mini slide option	LR MED	Danish Navy & OVDS
Brude Evacuation System Chute	Ferries, RoPax, Cruise Ships and for Special Purpose Ships (Brude MES Chute SPS)	Most established technology (vertical chute) with many years of success and can deploy from up to 26 metres	USCG, TC, SOLAS, EC/MED	Acciona Trasmediterranea, Balearia Eurolineas Maritimas, Izmir Buyuksehir Belediye, Jadrolinija, Laziomar, National Ferries, Moby Spa, Naviera Armas, Norce Offshore, Petroleum Geo-services (PGS), Polarcus, Saaremaa Shipping, Tallinn Port, Østensjø Rederi, Torghatten Nord, Torghatten Trafikkselskap, FosenNamsos Sjø, Fjord 1, Norled, Bastø Fosen
DBC Evacuation Chute System	Medium to higher freeboard height vessels	Low cost, easy to retrofit, no electical or hydraulics required	TC, USCG, EC MED	Ontario Northlands, Northumberland/Bay Ferries, Blackball Ferries, C.T.M.A, DFDS, Anek Llnes, Brittany Ferries, Jadrolinja, Eckero Lines, Moby Lines, Alaska Inter-island Ferry Authority, Consiel General, Scandlines, Grimaldi Group, Eastern Shipbuilding, Ministry of Defence (UK). Delcomar, Whitlink

MARIN ARK 2

8 - 23.5 metres <860 persons

RAPID & SAFE EVACUATION OF UP TO 860 PASSENGERS IN LESS THAN 30 MINUTES

The Marin Ark 2 is one of the largest dry-shod MES in the world. The completely unique design offers carriage for 158 passengers and can be scaled up to accommodate up to 860 passengers if required. Features simple crew actions and robust fully reversible liferaft, with multiple buoyancy compartments providing the utmost stability and safety in the toughest sea conditions.

The innovative helical slide path integrates the benefits of a fully enclosed evacuation chute with the natural descent of a spiral slide - crew members can even ascend to assist other passengers if required. One of the most dynamic design features of this system is the integration of a service winch into the stowage unit. This allows the entire unit to be deposited onto a tug or truck during service periods thus in most cases eliminating the requirement for a crane during service.

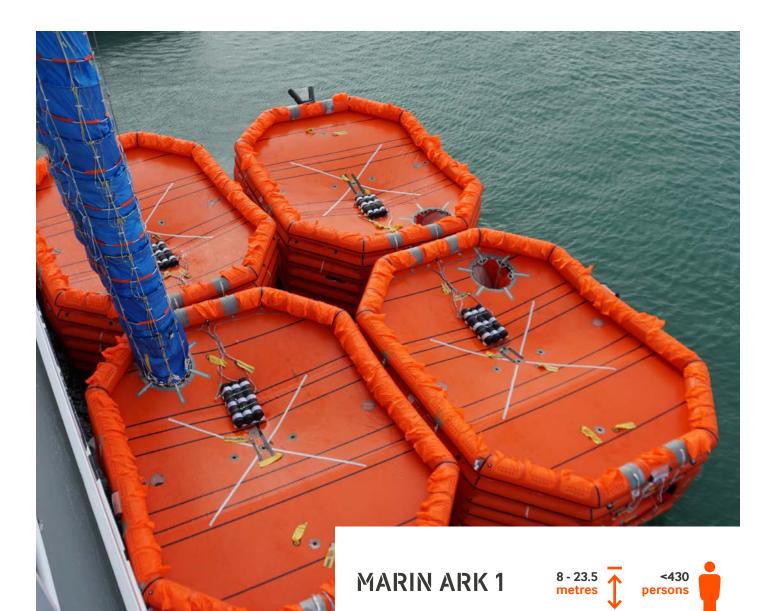


Queen's Award

The Marin Ark 2 was recognised with a Queen's Award for 'Continuous Innovation and Development'. It was selected not only for its innovative design, responsiveness to regulations and the need for improved passenger safety, but also for its global commercial success.

KEY FEATURES

- Designed with minimum crew actions to reduce the human element and improve reliability. All primary liferafts inflate & both helical slide path launch together in a single action
- ✓ Dual spiral slide path to the Marin Ark 2 allows for safe, rapid and controlled dry-shod descent for all evacuees
- Unique slide path design allows for crew ascent where necessary
- ✓ Fully reversible 158 person liferaft design with suspended floor ensures maximum thermal protection
- Revolutionary bowsing system and evacuation slide path designed to meet the challenges of modern wide beam vessels
- Flexible design allows for installation on the widest range of vessel configurations



- Compact all-in-one stowage design requiring minimal deck footprint
- ✓ Liferafts are fully reversible, ensuring the system inflates upright each and every time
- Evacuation chutes are fully enclosed ensuring no passenger is exposed to the elements at any time during evacuation
- Stowage design allows for easy system 'swap-out' during service, meaning minimal vessel downtime
- Available in symmetrical and asymmetrical options, enabling maximum design flexibility
- Tween deck and open deck stowage solutions also available

ENSURES UTMOST STABILITY IN THE TOUGHEST HEAVY SEA CONDITIONS

Marin Ark 1 is uniquely designed to ensure utmost stability in even the toughest heavy sea conditions. In the case of an emergency, the system is highly efficient and effective. One simple release action activates the deployment of the system, which is fully inflated and operational within 90 seconds of deployment.

The liferafts are fully reversible, ensuring Marin Ark 1 inflates upright each and every time, and evacuation chutes are fully enclosed ensuring no passenger is exposed to the elements at any time during evacuation.

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ONCE DEPLOYED THE SYSTEM IS UNIQUELY DESIGNED TO ENSURE UTMOST STABILITY IN EVEN THE TOUGHEST HEAVY SEA CONDITIONS.



PEACE OF MIND FOR SMALLER OPERATORS

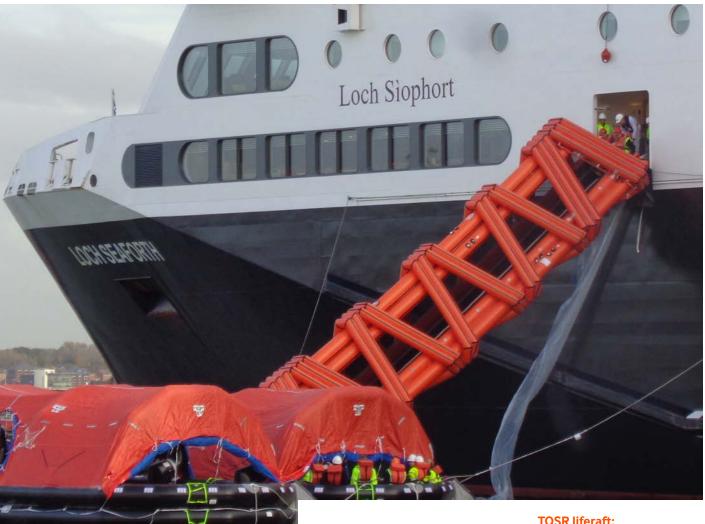
Using one Marin Ark liferaft together with a slide, the Marin Ark 109 MES can be launched, inflated and bowsed in 145 seconds with a capacity to evacuate 109 passengers in 15 minutes.

The Marin Ark 109 uses the same fully reversible liferafts as the 430 system, putting it in a class of it's own as a safety solution for smaller passenger vessels. The versatility of the liferaft design allows for deployment without a slide for very low embarkation heights, or together with two alternative slide configurations for freeboard heights up to 7 metres.

NOW SMALLER OPERATORS CAN BENEFIT FROM THE PEACE OF MIND OF KNOWING THEY HAVE THE ULTIMATE EVACUATION SYSTEM ON BOARD.

KEY FEATURES

- Liferafts are fully reversible, ensuring the system inflates upright each and every time
- Multiple slide configurations available to suit lower freeboard heights
- ✓ Designed for open deck and between deck evacuations
- ✓ Suited to vessels with freeboard of up to 7 metres



SUPER SLIDE

3.8 - 12.5 metres TOSR liferaft: 150 ORIL liferaft: 302 (2x151) LINK liferafts 50, 100, 150 persons

KEY FEATURES

- ✓ Simple and quick to install and re-install after service
- ✓ Electric remote release system which automatically performs a complete system deployment
- ✓ Float-free system operates before the water reaches the evacuation deck
- Max pax with ORIL liferaft is 397 persons in 17 minutes 40 sec
- Max pax with SOLAS canopied rafts is 750 persons in 30 minutes (fully MED approved)
- ✓ Unique, lightweight and small deck footprint
- ✓ Provides an alternative range of retrofit solutions

UNIQUE, LIGHTWEIGHT AND SMALL DECK FOOTPRINT

The Superslide, formally known as the Medium Inflatable Slide (MIS) is for vessels with freeboard heights of between 3.8 metres and 12.5 metres, incorporates a twin-track inflatable slide that deploys at right angles to ships' sides.

This system deploys at right angles to the vessel. The Superslide is packed together with either the 100/150 person Throw Over or Throw Over Self Righting canopied liferaft. When supplied for use with 100 Open Reversible liferafts, a second liferaft can be packed into the container so when inflated and bowsed it is immediately available for boarding. A second liferaft can be available for bowsing outboard of the receiving liferaft. Superslide available 3.8 metres to 12.5 metres in a range of five slides.

THIS TWIN TRACK INFLATABLE SLIDE SYSTEM IS CURRENTLY AVAILABLE FOR HEIGHTS BETWEEN 3.8 & 12.5 METRES.

MARIN ARK OVER CAPACITY LIFERAFT

50, 109, 158 persons

FLEXIBLE OPTIONS FOR SMALLER OPERATORS

To complement our range of Marin Ark Marine Evacuation Systems, Survitec offers a full range of Over-Capacity liferafts to suit any deck area.

Maintaining the same high standards already set by Marin Ark, Over-Capacity liferafts are fully reversible ensuring they inflate upright each and every time.

Over-Capacity liferafts integrate fully with the Marin Ark MES. The liferafts are deployed and then inflated alongside the primary Marin Ark MES where they are easily and efficiently connected. This ensures passengers benefit from a quick and safe transfer from Marin Ark into the Over–Capacity rafts.

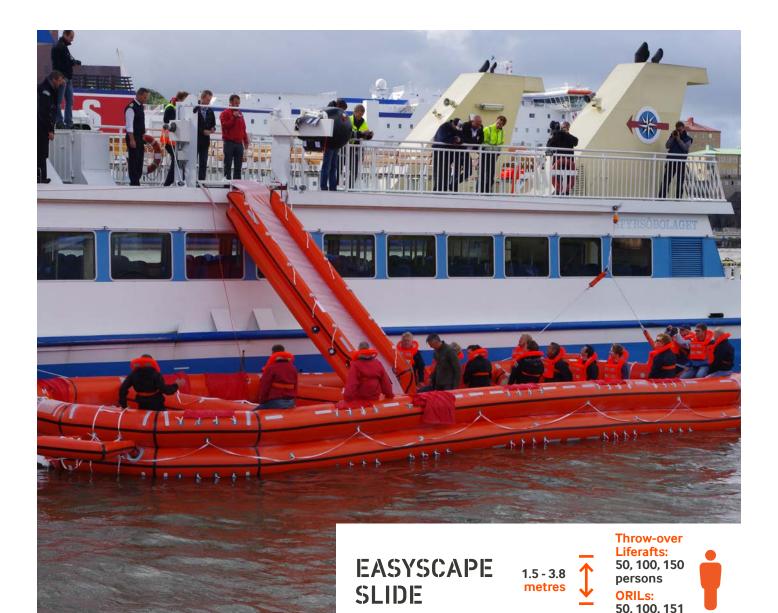
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OVER-CAPACITY LIFERAFTS OFFER GREAT FLEXIBILITY AND CAN BE INTEGRATED WITH ANY MES.

KEY FEATURES

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- ✓ All Over-Capacity liferafts are fully reversible
- ✓ Over-Capacity rafts can be fully integrated with any MES
- ✓ Available in various sizes, 50P, 109P & 158P, dependant upon the MES configuration
- Over-Capacity liferafts can be positioned on single, double or triple launching racks



- Specifically designed for high speed craft passenger ships (fast evacuation required)
- ✓ Small, light and easy to use slide submitted to an authorisation of use when a MES may not be required
- Facilitates the descent of passengers into the canopied or open reversible inflatable liferafts
- ✓ Increased safety for the low freeboard vessels
- ✓ Safer means of evacuation for passenger vessels (when evacuation deck < 3.80 metres)</p>

IDEAL FOR LOW FREE-BOARD VESSELS

The Easyscape Slide systems, which were formally known as the Small Inflatable Slide systems (SIS), are for low freeboard vessels. Easyscape slides and liferafts, or Open Reversible Inflatable Liferafts (ORILs), are stored near to evacuation points. Liferafts or ORILs are launched remotely, inflated and bowsed into position using either manual or automatic electric winches. An Easyscape slide is then inflated and deployed into the liferaft or ORIL.

persons

Easyscape Slide available 1.5 metres to 3.8 metres in a range of five slides with a maximum freeboard of 3.8 metres.

THESE LOW FREE-BOARD SYSTEMS ARE IDEAL FOR RAPIDLY EVACUATING VESSELS WITHIN 1.5 TO 3.8 METRES.

BRUDE EVACUATION SYSTEM CHUTE

EFFICIENT, FLEXIBLE, COST-EFFECTIVE AND EASY TO USE AT HEIGHTS UP TO 26 METRES

The Brude Evacuation System Chute is efficient, flexible, cost-effective, easy to use at heights up to 26 metres, and available in single and double-track formats for increased capacity.

Liferafts and evacuation station with chute are mounted in separate units, accommodating a flexible layout. During deployment system liferafts are dropped and winched into position from the evacuation station. The chute will then be lowered directly into the raft. For increased capacity, additional rafts can be dropped and connected to the system raft.

Max capacity single chute: 450pax



Max capacity double chute: 600pax



KEY FEATURES

- ✓ Available in single- and double-track formats
- ✓ For use at heights of up to 26 metres
- ✓ Zig-zag design offers controlled descent
- ✓ Additional liferafts are connected to system liferafts via an interface
- ✓ Easy to operate
- Room in the chute for crew-members to descend next to passengers and assist persons that are injured or disabled
- Service costs for the chute are minimized due to the on-site inspection
- ✓ Freestanding liferafts allows flexible service



- ✓ Chute systems are available in single formats
- ✓ For use at heights of up to 33 metres
- ✓ System comprises a vertical chute with a platform at the base
- ✓ Zig-zag design offers controlled descent
- ✓ Throw-over liferafts are secured to the MEC transfer platform via a tether line followed by 2 x snap shackle attachment points
- ✓ Easy to operate
- ✓ Max capacity is 400 persons in 30 minutes

FOR USE AT HEIGHTS OF UP TO 33 METRES

CHUTE SYSTEM

DBC Evacuation chute systems are efficient, flexible, cost-effective, easy to use at heights up to 33 metres, and available in single track formats to conform with differing flag states' regulations. A fabric descent chute and inflatable platform are stored in a compact housing either on the evacuation deck (inside or outside the vessel), or unobtrusively on the deck above.

During an emergency, a crew member releases the Marine Evacuation Chute (MEC) by the pull of a handle. The chute and platform fall to the water and the platform automatically inflates. At the same time, liferafts are launched from their racking systems. Once inflated they are attached to the platforms beneath the vertical chutes.

Passengers enter the MEC by way of their housings on the evacuation deck. Their descent to the attached platforms below is controlled by the engineered zig-zag vertical descent control mechanism. From the inflated platforms, they can be dry-transferred to liferafts.

TRANSFER & ESCAPE EQUIPMENT

Reduce the risks of transferring and evacuating personnel with safe access solutions. Survitec can supply Reflex Marine personnel transfer devices and Donut Safety Systems personnel escape products.



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REFLEX MARINE REDUCE THE RISKS OF TRANSFERRING PERSONNEL WITH A SAFE ACCESS SOLUTION

Industry leaders such as BP, Shell, Chevron, Transocean and ConocoPhillips have chosen Reflex Marine products for their transfer needs. The original FROG was pioneered over 20 years ago.

Since then the widespread success of Reflex Marine products has transformed the industry's view of marine transfer. With an unparalleled safety record, these carriers are involved in over one million safe personnel transfers around the world, every year.

KEY PRODUCTS

- ✓ WAVE 4 Device
- ✓ FROG-XT4 Transfer Device
- ✓ FROG-XT6 Transfer Device

DONUT SAFETY SYSTEMS

THE LOW COST ONE-TIME PURCHASE SOLUTION TO MEETING YOUR SAFETY CASE REQUIREMENTS

Donut safety systems offer an innovative range of portable personal escape products for the Offshore, Onshore, Marine and Renewables industry, providing controlled descents during emergencies, when conventional means are not possible.

KEY PRODUCTS

- ✓ Donut Offshore Descent Device
- Donut Safeland Marine Descent Device
- Donut Safeland Rescue Descent Device
- Donut Safeland Retro Descent Device
- ✓ Donut Multiple Escape Systems



MES CREW TRAINING

Purchasing your safety equipment is only the start of your relationship with Survitec. Not only will we equip your vessel with the very best marine safety equipment, we will also ensure that should you unexpectedly have to use your safety equipment in an emergency, you and your crew know exactly what to do. In support of this mission we provide customers with 'Crew Training' on our Marine Evacuation Systems (MES) product ranges.

TRAINING REGULATIONS

All Survitec Crew Training is conducted as per the SOLAS requirement which is defined as follows:

SOLAS CH III Regulation 19.3.3.8

If a ship is fitted with MES, drills shall include exercising of the procedures required for the deployment of such a system up to the point immediately preceding actual deployment of the system. This aspect of drills should be augmented by regular instruction using the onboard training aids required according to 35.4. Additionally, every system party member shall, as far as practicable, be further trained by participation in a full deployment of a similar system into water, either onboard a ship or ashore, at intervals of no longer than two years, but in no case longer than three years. This training can be associated with deployments required by regulation.



WHY SURVITEC

- Survitec has been providing MES systems training to passenger crews since 2003
- Survitec is the chosen training provider for the world's largest passenger ferry company
- Our Chief Technical Trainers have worked with over 5,000 crew worldwide and bring with them a wealth of experience
- Our fully equipped training facilities give your crew practical, hands-on experience
- We have a 100% customer satisfaction rate
- Our MES training service is available at multiple locations globally to suit customer demand

WHAT'S INVOLVED

We aim to provide MES Crew Training that is as practical as possible, this helps make sure that should the worst happen you are as familiar with the safety equipment onboard your vessel as you can be. A typical MES Crew Training day would start with a small amount of classroom work followed by a number of practical exercises including:

- MES operating sequence, deployment and evacuation cycle
- Emergency equipment familiarisation
- Pyrotechnics and electronics
- Liferaft familiarisation
- Passenger safety management
- Lifejacket donning
- Participant descent
- Stretcher descent
- Carry techniques
- Crisis control
- System abandonment

We run our training sessions with a maximum of 36 participants per session, a minimum of 20 participants are required to run the training session.

CERTIFICATION

On successful completion of the MES Crew Training course each crew member will be awarded a training certificate to help note and record their successful completion of this training course.





LIFERAFTS

Within our liferaft portfolio we offer some of the most trusted brands available including, RFD, SurvitecZodiac and DSB. Every brand shares the same key focus, ensuring Survitec offer customers longevity, quality and manufacturing excellence.

As the world-leader in critical safety and survival solutions, you can be assured of dealing with a robust, reliable and sustainable organisation that is equipped and experienced to handle your liferaft hire needs with minimum fuss. We can equip your vessel with its liferaft needs through product sale or a rental agreement.

In addition, we offer unmatched after-market solutions including the largest service network available across key ports and locations globally, helping to ensure your equipment receives only the very best care and attention throughout its entire safety lifecycle. We are also able to provide liferaft crew training, enabling your crew to be able to efficiently deploy the raft in an emergency.





RFD SURVIVA

6-25 persons (throw over) 12-25 persons (davit launch)

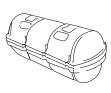
KEY FEATURES

- ✓ MED approved
- ✓ Fully enclosed double-skinned high-visibility canopy complete with retro-reflective tape
- ✓ Non-inflatable easy access boarding ramp
- High volume water pockets to ensure maximum stability when inflating
- ✓ Canopy fitted with LED light ensuring maximum visibility
- ✓ Fully insulated floor to ensure maximum thermal protection
- ✓ Stowed in lightweight, streamlined Glass Reinforced Plastic (GRP) containers enabling maximum deck space utilisation – various container options available
- ✓ Available with 'A' and 'B' emergency pack configuration
- Available in davit launch and throw over (cylindrical or flat) options

AVAILABLE IN DAVIT LAUNCH AND THROW OVER (CYLINDRICAL OR FLAT) OPTIONS

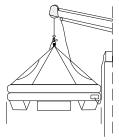
The Surviva throw over and davit launch liferafts are manufactured to the highest quality standards and stowed in a variety of containers designed to suit most deck spaces. All configurations are fully approved, ensuring suitability for vessels throughout the world.

Surviva liferafts are manufactured using a corrosion and abrasion resistant polyurethane (PU) coated textile, ensuring maximum durability.





Throw Over Flat Pack



Throw Over Cylindrical Container Davit Launch

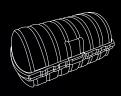
RFD SURVIVA SELF RIGHTING



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CAPACITIES FROM 25 TO 35 PERSONS ON BOARD

The 25 and 35 man Surviva self-righting throw over and davit launch liferafts are manufactured to the highest quality standards, constructed using a doublecoated corrosion and abrasion resistant rubber for durability, and stowed in a cylindrical container for ease of use.





Throw Over Cylindrical Container

KEY FEATURES

- ✓ Fully enclosed high-visibility canopy complete with retro reflective tape
- Non-inflatable, easy-access boarding ramp
- Fitted with external and internal lighting to ensure maximum visibility
- Complete with A or B type emergency packs which conform to SOLAS regulations

RFD SURVIVA REVERSIBLE



CANOPIED, FULLY REVERSIBLE LIFERAFT

The canopied fully reversible inflatable liferaft conforms to Resolution MSC.81 (70) of the IMO. It also meets ISO 15738:2002 (MED) (JG) (TC) specifications, as required in gas inflation systems for inflatable life-saving appliances.

The 50-person Surviva is ideal for use with the Slide MES. The 100-person consists of 2 \times 50-person liferafts packed in the same container and connected for maximum capacity.



KEY FEATURES

- Two super-imposed buoyancy chambers provide a high freeboard
- ✓ Suspended floor in between two buoyancy chambers
- Self-erecting canopy operated by a shuttle-like action provided by its own buoyancy
- Robust weather protection provided by a canopy regardless of the liferaft deployment method
- Each liferaft is furnished with boarding facilities, external and internal lighting, lifelines, a drogue (sea anchor), a rescue line and quoit as well as other necessary items of equipment

RFD FERRYMAN

25/30/37, 50/65, 100/130 persons

FITTED WITH LIGHTS FOR NIGHT DETECTION

Survitec's Ferryman open reversible liferaft (ORL) combines forward-thinking design with over 90-years of unparalleled knowledge and expertise in the marine safety industry.

Designed specifically for passenger vessels operating in coastal and inland waterways, and for high-speed craft, the fully open and reversible RFD Ferryman Liferaft remains the industry's premium ORL.

KEY FEATURES

- Manufactured from durable polyurethanecoated nylon material
- Lead weighted water pockets to ensure maximum stability when inflated
- Highly visible retro-reflective strips
- Fitted with lights for night detection
- Stowed in lightweight GRP containers with multiple container options available
- Can be packed with either an 'E', 'HSC' or 'SOLAS B' type emergency pack
 - Easy access boarding ramps located around the liferaft

KEY FEATURES

- ✓ Highly stable rectangular shaped
- Container is a distinctive bright orange to distinguish from a liferaft
- ✓ Compatible with a standard liferaft cradle
- Securing strap assembly specific to the MOR is available (hydrostatic release unit NOT included)
- ✓ Weight: 137 kg
- ✓ Container Dimensions: Length 1530 mm x Diameter 580 mm
- ✓ Manufactured from polyurethane fabric

RFD MEANS OF RESCUE (MOR)

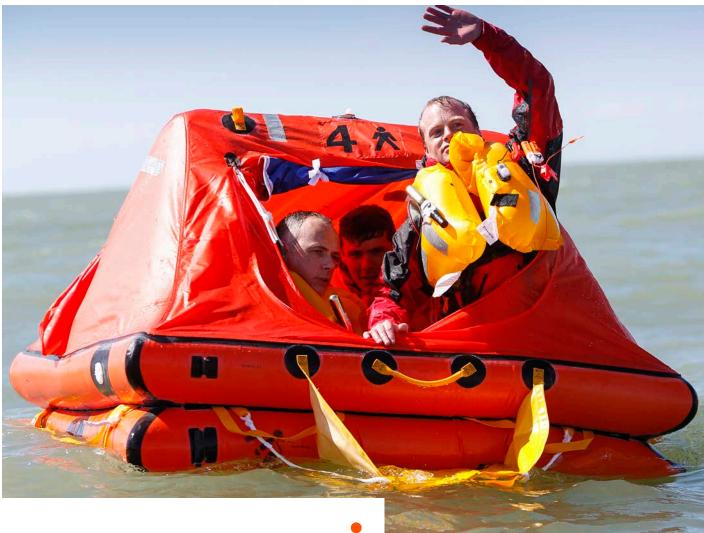


WATER-BORNE DEVICE THAT PROVIDES MEANS OF RESCUE

The RFD Means of Rescue device is a rectangular inflatable buoyant platform designed to rescue survivors from the water or another vessel. This MOR device is not classed as a liferaft; it is a water-borne device that provides a means of rescue in an emergency.

The RFD MOR is designed and installed in accordance with the regulations specified in IMO.





RFD SEASAVA

4, 6, 8, 10, 12 persons

CANOPIED, INFLATABLE THROW OVER LIFERAFT

Based on the highly successful SOLAS-approved Survitec Surviva liferaft range, the canopied inflatable throw over Seasava Pro-ISO liferaft has been developed specifically to accommodate the requirements of smaller vessels with limited deck space, such as fishing boats.

Meeting the stringent ISO9650-1 standard for inflatable liferafts, the RFD Seasava Pro-ISO liferaft is one of the most robust and durable smaller liferaft options available.



KEY FEATURES

- Extended service period of 3 years, reducing ongoing costs
- ✓ Manufactured from long-lasting, corrosion and abrasionresistant material
- ✓ High-volume water pockets to ensure maximum stability
- ✓ Simple-to-close canopy is manufactured to the highest SOLAS standards, providing added protection from the elements
- Semi-rigid boarding ramp allows for quick, easy and safe boarding
- Interior lifelines help occupants stabilise themselves during heavy seas
- ✓ Exterior pressure relief valves ensure excess CO₂ is not released into the liferaft
- ✓ Vacuum-packed for prolonged durability
- ✓ Insulated floor for increased comfort
- ✓ Comes with the following emergency pack options: <24, >24, or SOLAS B pack
- Orange, high-visibility canopy with retro-reflective panels to help facilitate the search and rescue process



DSB LR07

persons

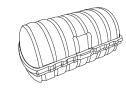
KEY FEATURES

- ✓ Manufactured from double-coated corrosion and abrasion resistant rubber
- ✓ Fully-enclosed double-skinned high-visibility canopy complete with retro-reflective tape
- ✓ Semi-rigid easy access boarding ramp
- ✓ Large water pockets to ensure maximum stability when inflated
- ✓ Fully insulated floor to ensure maximum thermal protection
- ✓ Available in both 'A' or 'B' pack SOLAS compliant emergency pack options

LARGE WATER POCKETS TO ENSURE MAXIMUM STABILITY WHEN INFLATED

The LR07 is the latest MED-approved liferaft from DSB which provides a quality product that is both durable and cost effective. Stability, insulation, visibility and ease of stowage all feature highly in the design of this liferaft.

Survitec's DSB LR07 davit launch liferafts for 6, 8, 10, 12, 16, 20 and 25 persons are compliant with relevant Marine Equipment Directives and offer a durable and cost-effective quality product. The design of DSB davit launch liferafts optimises stability, insulation, visibility and ease of stowage. As with all davit launch liferafts, each raft is designed to be deployed on a davit and have all passengers boarded before being safely lowered to the water.



Throw Over Cylindrical Container



Davit Launch Flat Pack



- ✓ The 25, 35 and 50 person options are available with SOLAS 'A' or 'B' emergency equipment packs
- ✓ The 100 person option is available with SOLAS 'B' emergency equipment pack

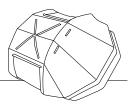
SELF-RIGHTING

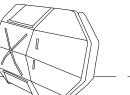
SELF-RIGHTING FEATURE ENSURES THESE RAFTS ALWAYS DEPLOY CORRECTLY

The Survitec range of self-righting throw over Liferafts are compliant with appropriate Marine Equipment Directives (MEDs). Equipped with all the safety features of conventional DSB liferafts, with additional self-righting capability. A jettison type may also be used in conjunction with the DSB Small Inflatable Slide (SIS) and CAT-Slide Marine Evacuation Systems (MES).

Davit launch liferafts are designed to be deployed and boarded at deck level before being lowered to the water in case of an emergency. Whereas throw over rafts will inflate on impact with water, the additional self-righting feature will help to ensure these rafts always deploy correctly.

EQUIPPED WITH ALL THE SAFETY FEATURES OF **CONVENTIONAL DSB** LIFERAFTS, WITH ADDITIONAL SELF-RIGHTING CAPABILITY.







Self-righting capability





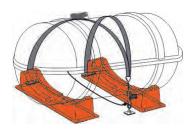
- ✓ Packed in GRP containers
- ✓ Supplied with HSC type emergency equipment packs
- Can be used in conjunction with the DSB CAT-Slide MES systems

OPEN, FULLY REVERSIBLE LIFERAFT

The LR97(R) Liferaft range for 28, 50, 100 and 150 persons holds EC-type approval under the International Code of Safety for High-speed Craft (HSC Code). As with all Open Reversible Liferafts (ORL), they can be boarded, on whichever side they inflate.

Galvanized steel or aluminium metallic deck cradle





Single or double GRP deck cradle

Single or multiple tilting cradle



- Manufactured using a durable polyurethane coated fabric
- ✓ Assembled using Thermobonding[™] (advanced hot assembly technique) ensuring
- Consistent (computer-controlled technique)
- ✓ Inert to aging factors in the marine environments
- ✓ Extremely strong and safe when loaded
- Easy to service and fit in small light glass reinforced container
- Throw over option can be dropped from a height of 36 m
- Grab bags are sealed in strong watertight bags, secured inside the liferaft

SURVITECZODIAC LIFERAFT



CAN BE LAUNCHED BY DAVIT OR DROPPED FROM UP TO 36 M IN AN EMERGENCY

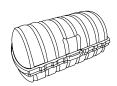
Built to meet the needs of small passenger vessels, fishing vessels and high speed craft, the SurvitecZodiac liferaft can be launched by a davit or dropped from up to 36 m in an emergency situation. Both the throw over and the davit launched options meet all of the required approval standards. Designed and manufactured out of our highly successful manufacturing facility in Chevanceaux, France, this liferaft is chosen for its advanced design and unique method of construction. Additionally, due to the fabric weight and structure, SurvitecZodiac liferafts are easy to service and fit in light, small sized but strong, glass reinforced plastic containers.



Xtrem Container



Low Profile Container (LPC)



Throw Over Cylindrical Container



Davit Launch

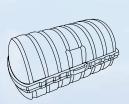
- ✓ Unique patented design
- ✓ The 25, 37, 50 and 150 person rafts are available with SOLAS 'A' or 'B' emergency equipment packs
- The 50-person raft is specially designed to be used in conjunction with the DBC/ SurvitecZodiac Marine Evacuation System (MES)
 - Available with standard or self-stacking container system

SURVITECZODIAC SELF-RIGHTING



UNIQUE PATENTED DESIGN

The Survitec range of self-righting liferafts meets the latest self-righting requirement introduced for roll on/roll off passenger ships. A unique patent design means the raft will self-right in less than 1 minute.





Throw Over Cylindrical Container

150 1

College Street





SURVITECZODIAC OPEN REVERSIBLE



CAPACITIES FROM 4 TO 151 PERSONS ON BOARD

Built to meet the needs of small passenger vessels, high speed crafts and fishing vessels, the Survitec Open Reversible inflatable liferaft (ORIL) range is the optimum choice for many operators. Ideal for accommodating up to 151 people, these rafts are immediately boardable after drop, allowing for safe and fast recovery of all passengers. Designed and manufactured out of our highly successful facility in Chevanceaux, France, the open reversible is designed and constructed to withstand arduous environments at sea, supported by its durable polyurethane fabric and superior inflation time.

All of the Survitec ORIL rafts are specifically manufactured to be compact when stored on-board, making them an effective choice when space and service time are at a premium.

KEY FEATURES

- ✓ Assembled using Thermobonding[™] (advanced hot assembly technique)
- Ensuring;
 - Consistent (computer controlled technique)
 - Inert to aging factors in the marine environments
 - Easy to service and fit in small light glass reinforced container
- Equipment packs sealed in strong watertight bags
- ✓ Paramount evacuation time
- Venturi technology allows for weight / volume savings (50-151 option)

SURVITECZODIAC MEANS OF RESCUE (MOR)

PROVIDE A SAFE TRANSFER OF SURVIVORS FROM SEA TO DECK

The MOR liferaft has been specially developed to meet the latest requirements of roll-on/roll-off (RO/RO) passenger ships and is fully approved for use thereon.

MOR liferafts are now mandatory on RO/RO passenger ships as they provide a safe transfer of survivors from sea level to the deck of a ship in rescue situations.

ship in rescue situations.

KEY FEATURES

- Manufactured with a durable polyurethane-coated fabric
- Assembled using ThermobondingTM, the advanced SurvitecZodiac hot assembly technique.
- Provides extreme strength and safety when loaded
- Supplied in light, short-sized, strong cylindrical containers
- Containers are a distinct orange colour
- Can also be used on the end of pontoons for rescue situations
- Suitable for 10 stretcher borne persons

HEATING BLANKET SYSTEM

POLAR CODE LIFERAFT SOLUTIONS

Designed to both meet and exceed polar code requirements, our polar code liferaft solution provides the ability to maintain the essential functionality of your liferaft at very low temperatures (down to -60 ° C) keeping the liferaft and associated equipment always ready for use and ensuring inflation. This is achieved using a heating blanket system which is placed over the liferaft container. This has been tested at -70 ° C after being kept for 50 hours at -70° C.

Build-up of ice and snow can prove dangerous on board your vessel as it reduces the crafts stability and this then increases the risk of capsizing. Using the heating blanket system provides a superior guard against excess ice and snow build up on the liferaft, allowing for increased protection.

The heating blanket operates through use of a thermostatic control unit which can manage up to five liferafts and accompanying polar code hydrostatic release units (HRU). It is easy to install on new constructions and perfectly adaptable for retrofits.

Designed for use on all Survitec SOLAS approved liferafts for any vessels looking to be compliant with polar code regulation requirements. The heating blanket has the added benefit of being easily removed when vessels are sailing outside of the defined polar code regions to improve blanket longevity, equally they are easy to fit onto your liferaft prior to entry into a polar code regions for quick and efficient use.



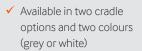
LIFERAFT STORED FOR 50HRS AT LIFERAFT INFLATED AFTER BEING -70 °C

KEY FEATURES

- ✓ Operating temperature: down to -60° C (tested down to -70° C)
- ✓ Available for the use with any Survitec Solas approved Liferaft



STORED FOR 50HRS AT -70 °C



✓ Heating blanket automatically stops or starts at +5° C

SAFETY AT SEA BEST SECURITY PRODUCT **OF THE YEAR AWARD** NOMINEE



HAMMAR

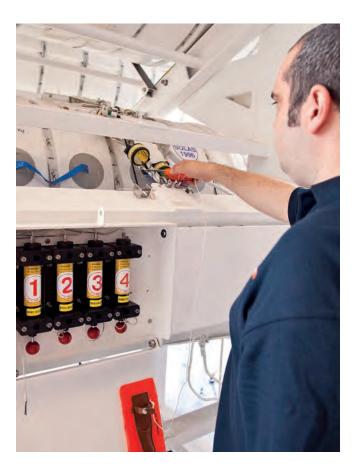
BETTER SOLUTIONS FOR SAFETY AT SEA

CM Hammar are the company behind the world famous, lifesaving H₂O hydrostatic release unit. They develop, manufacture and supply release units for liferafts and EPIRBs and Remote Release Systems for liferafts, evacuation systems and Lifebuoys as well as Hydrostatic Inflators for lifejackets.



KEY PRODUCTS

- ✓ H20 HRU Release Units
- ✓ MRRS Release Systems
- ✓ ERRS Release Systems
- ✓ Lifebuoy Release Systems
- ✓ Lifejacket Inflators



11 1 11 Page 34 www.survitecgroup.com email: info@survitecgroup.com

LIFERAFT RENTAL

SIMPLE, HASSLE FREE PROCESS

At Survitec, we understand the importance of effective, operational practices when your vessel is in port. Our rental and exchange concept, launched in 2008, changed the liferaft market forever. Today more than 10,000 vessels have Survitec rented rafts on board.

ALWAYS COMPLIANT, ALWAYS ON BOARD

Offering a variety of Survitec throw overboard and davit launch Extended Service Rafts – 30 months' service intervals are available. All our rental rafts are type and class approved, certificated and ready to use. Our staff around the world work hard to ensure your rafts are ready and where they need to be, when they need to be.

WORLDWIDE CUSTOMER SUPPORT

With over 3,000 marine professionals covering 105 countries and more than 2,000 ports, Survitec is unrivalled with our worldwide customer support network.

A SIMPLE, SEAMLESS CHANGEOVER

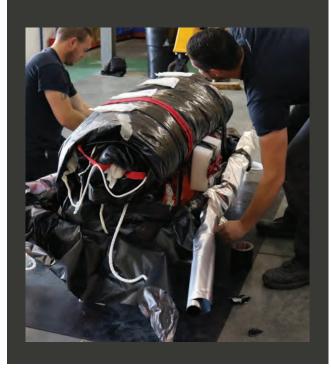
- ✓ No waiting
- ✓ No interim loan rafts
- ✓ No local repairs needed
- No on-board assessments
- ✓ No extra costs
- ✓ No complex agreements

CONVENIENT AND COST EFFECTIVE

With a Liferaft Rental Agreement you will experience several benefits for liferaft management. A key element of the Survitec concept is based on a single point of contact taking care of the due-date monitoring and arrangements for exchange of your liferafts. With this unique offer, you not only save time to focus on other operational duties, there is also a significant reduction in costs.

Our staff will be ready and waiting at your berth with your replacement rental rafts, ready to go. We offer a variety of class approved, certificated, and ready to use Survitec rafts:

- Throw overboard
- 🗸 Davit launch
- 30, 60 or 90-day due-date notifications when your rafts need exchanging





EXCHANGE RENTAL

- ✓ Liferafts are replaced with a new approved set
- ✓ Available in all key ports

- ✓ Supports short port stays
- ✓ Reduces the amount of handling

LIFEBOATS & RESCUE BOATS

Survitec supplies and maintains certified lifeboats, davits and release mechanisms to offshore, shipping and cruise customers around the world. Our experience and expertise are the foundations for our industry-leading services and products. We have grown our capabilities and our global network of bases to support your safety objectives.

Our boat range consists of a number of boat types including lifeboats, fast rescue craft, inflatable and semi rigid inflatable rescue boats. Leading brands within the Survitec portfolio include SurvitecZodiac and DSB. We offer an extensive service from initial product supply; servicing and inspection, maintenance and repair and supply of spare parts. Within our inflatable boat range are a number of custom options specifically designed for bespoke and unique rescue application.





LIFEBOAT INSPECTION

SOLAS Chapter III stipulates the need for servicing, annual inspection, a thorough 5 year inspection and load testing of lifesaving appliances (LSA), launching arrangements and lifeboat release & retrieval systems (LRRS).

Survitec responded to this approval requirement and offers an extensive inspection, servicing and maintenance programme available globally.

No matter what your requirements, merchant, cruise, ferry or offshore, Survitec Lifeboat inspection, repair and refurbishment services can help you keep fully compliant with existing regulatory requirements utilising our Global Safety and product network.

WHY SURVITEC?

- Keeping you compliant and safe to sail a reputable and certified safety supplier with over 25 years' global experience
- ✓ Flexible vessel and port arrangement with a growing team of over 90 service engineers available globally - if an engineer is not available at your local port we can send one out to you.
- ✓ Competitively priced for quality and peace of mind
- Multibrand lifeboat service provider allowing us to carry out the work required for all your lifeboat types and brand
- ✓ Improve your operational efficiency let Survitec service your complete safety portfolio including life rafts, fire systems and personal lifesaving equipment. Our cross-trained service engineers help to advance your operational efficiency
- Minimise the burden of administration let Survitec handle your 'due date monitoring' process
- ✓ One point of contact for all of your requests, logistics and invoice details



KEY FEATURES

- ✓ Designed and built to SOLAS/LSA regulations
- ✓ Approved by ABS, BV, GL, LR and EC Mark
- ✓ Capacities from 24 to 95 persons on board (POB)
- ✓ Seating for an average body of 82.5 kgs (SOLAS requirement) to 98kgs (common offshore requirement)
- ✓ Worldwide servicing available
- Tanker versions available for crude carriers, FPSOs, MODUs and production platforms
- Tanker versions include a compressed air supply to pressurise the lifeboat for a minimum of 10 minutes, to prevent the ingress of smoke, and an external water spray deluge system
- Buoyancy to self-right when fully loaded and in a damaged condition

WORLDWIDE SERVICING AVAILABLE

Our range of Davit-Launched lifeboats are designed and manufactured in accordance with the latest SOLAS regulations, MSC.1/Circ.1206 Rev 1, MSC.1/Circ.1277 and relevant MODU codes. Available in both single fall and twin fall davit-launched configurations to suit your operational needs.

Suitable for installation on merchant shipping, MODUs and offshore platforms, they are complemented by a full suite of survival craft davits.

Designed for use in harsh conditions and constructed using materials selected for their resistance to the corrosive marine environment, whilst ensuring a long and trouble-free operational life with minimal maintenance.



FREE FALL DAVIT-LAUNCHED

CAPACITIES FROM 24 TO 95 PERSONS ON BOARD

Our range of Free Fall lifeboats are designed and manufactured in accordance with the latest SOLAS regulations, MSC.1/Circ.1206 Rev 1, MSC.1/ Circ.1277 and relevant MODU codes.

Suitable for installation on merchant shipping, MODUs and offshore platforms, they are complemented by a full suite of survival craft davits.

Designed for use in harsh conditions and constructed using materials selected for their resistance to the corrosive marine environment, whilst ensuring a long and trouble-free operational life with minimal maintenance. 24 – 95 persons

- ✓ Approved by ABS, BV, GL, LR and EC Mark
- Capacities from 24 to 95 persons on board (POB)
- Seating for an average body of 82.5 kgs (SOLAS requirement) to 98 kgs (common offshore requirement)
- ✓ Suitable for offshore use: platforms, rigs and FPSOs
- ✓ Worldwide servicing available
- ✓ Tanker versions available for crude carriers, FPSOs, MODUs and production platforms
- Tanker versions include a compressed air supply to pressurise the lifeboat for a minimum of 10 minutes, to prevent the ingress of smoke, and an external water spray deluge system

- Buoyancy to self-right when fully loaded and in a damaged condition
- Designed for use in harsh conditions using materials resistant to marine corrosion
- ✓ The Survitec Survival Craft free fall lifeboat is designed, built and fitted out according to the latest SOLAS/LSA regulations
- It is suitable for installation on cargo vessels, tankers and offshore oil and gas platforms
- It is designed to be launched and recovered from a Survitec Survival Craft davit system and is backed by a worldwide installation, commissioning, maintenance and repair service provided by our own team of mobile engineers

DAVITS

FAST RESCUE CRAFT DAVITS

We supply a range of davits and winches designed to SOLAS and LSA code regulations. All of our products are inherently strong, reliable and built to perform in the toughest maritime conditions.

Winches, electric motors, control boxes, fall wires and associated equipment are supplied with davits. Standard electrical systems are based on IP56 for non- hazardous area installations.

EX-Rated electrical systems can be supplied and installed for hazardous area installations.

KEY FEATURES

- The only hook on the market that can have the 5 year overhaul and test completed on board
- ✓ Colour coded visual indicators
- ✓ Load over-centre design
- ✓ 100% EU product, designed and manufactured in the uk by Survitec
- ✓ No service exchange requirement
- ✓ Single operating handle for ease of operation



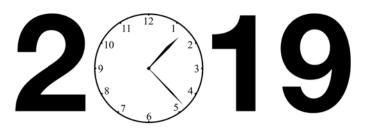
RE-HOOKING

In accordance with the latest re-hooking regulation update, MSC.1 / Circ. 1392, referencing lifeboat release hooks we are able to replace your lifeboat hooks to ensure you are compliant with the new SOLAS approval standard.

(MSC.320 & 321(89)). Our Safelaunch and RocLoc hook replacement options are known for being robust, easy to maintain and unambiguous operation. As a class approved re-hooking service provider we can fit our hooks onto any lifeboat.

WHICH LIFEBOAT LRRS ARE AFFECTED?

In response to an increasing number of serious accidents and fatalities with lifeboats, it was decided to implement new requirements for lifeboats with on-load release hooks – 'Lifeboat Release and Retrieval Systems' (LRRS). LRRS that do not comply have to be replaced at the first scheduled dry docking after 1st July 2014, but no later than 1st July 2019. An on load lifeboat hook or LRRS hook can release the lifeboat from the fall wires, with the lifeboat above the water level and with all the crew members inside the boat. The load will be still on the fall wires as the boat would not have touched the water. These type hooks are used on conventional twin fall lifeboats, partially enclosed lifeboats and tender lifeboats are included in these regulations. Free Fall lifeboats are not included.







ROC-LOC

THE AWARD WINNING LIFEBOAT RELEASE HOOK

The unintended or accidental deployment of release mechanisms has been pinpointed as the most common source of lifeboat accidents and incidents.

That is why we have developed Safelaunch - an 'on and off load' release system that fully conforms to SOLAS and the LSA code. Built to withstand the harshest marine conditions, it overcomes factors known to contribute to premature release including unstable design, corrosion and overcomplicated operating procedures.

KEY FEATURES

- IMO / SOLAS / LSA compliant
- Designed specifically for davit-launched lifeboats and rescue boats
- Visual indicators for additional safety
- ✓ Integrated fall prevention device (FPD)
- Design for use in all climates and conditions ✓
- ✓ Approved by ABS and USCG
- \checkmark Crew training available
- \checkmark UK manufacture with marine grade 316 corrosion-free stainless steel
- Simple lock and release system (improved cam pin eliminates critical tolerances)
- ✓ Failsafe locking pin used as a fall preventer device (FPD)
- Easily understood external visual status \checkmark indicators: identify safe position of cam locking pin without entering the lifeboat

The unique design is compatible with all existing davit-launched lifeboats up to 17 tonnes and can be installed from new - or retrofitted - to increase the operational safety of existing lifeboat systems.

Safelaunch® has type approval from DNV and Lloyd's Register, and has undergone a successful product design assessment from the American Bureau of Shipping.



SAFELAUNCH RELEASE & RETRIEVAL SYSTEM

The unique design is compatible with all existing davit-launched lifeboats up to 28 tonnes (our 14 tonne model x 2 hooks - Safe Working Load (SWL) 4.5 tonne, 6 tonne, 8.5 tonne, 9 tonne, 12 tonne and 14 tonne) and can be installed from new - or retrofitted - to increase the operational safety of existing lifeboat systems.

Safelaunch[®] has type approval from DNV and Lloyd's Register, and has undergone a successful product design assessment from the American Bureau of Shipping.

Safelaunch® is an offload/onload lifeboat release and retrieval system, designed and manufactured by Survival Craft to eliminate the common operating problems associated with other release mechanisms.

Safelaunch® meets the latest requirements of SOLAS, IMO and LSA codes and is approved by DNV in accordance with the EU Marine Equipment Directive (MED).

Safelaunch® can be installed in new lifeboats, or retrofitted to old lifeboats, as a class approved upgrade.





- ✓ UK manufacture with marine grade 316 corrosion-free stainless steel
- ✓ Simple lock and release system (improved cam pin eliminates critical tolerances)
- ✓ Failsafe locking pin used as a fall preventer device (FPD)
- ✓ Easily understood external visual status indicators: identify safe position of cam locking pin without entering the lifeboat

SAFELAUNCH SLA3.5

AUTOMATIC RELEASE HOOK

The Safelaunch SLA3.5 is an off-load fall-mounted automatic release hook for use with davit-launched liferafts and single-fall rescue boats.

With a safe working load of 3.5tonnes, the SLA3.5 is perfectly suited for various types of liferafts & rescue boats and their associated launching appliance and because of the inherent safety of the load-over-centre design it can only be released when the raft or boat is waterborne, with little (up to 150kg) or no load on it. It fully complies with the latest SOLAS & LSA Regulations.

The SLA3.5 has two modes of operation to allow for safe evacuation regardless of the conditions:

1. Automatic release when the craft becomes waterborne by engaging the Actuating Mechanism just prior to splashdown.

2. Manual release when waterborne if auto-release is not possible due to added load on the hook while being towed or when sea conditions worsen.

KEY FEATURES

- The only hook on the market that can have the 5 year overhaul and test completed on board
- ✓ Colour coded visual indicators
- Load over-centre design
- 100% Eu product, designed and manufactured in the uk by survitec
- No service exchange requirement
- Single operating handle for ease of operation



- Comes with a Lloyd's Register certificate as standard
- Marked with the date it first came into service
- Includes label warning that the strop should not be used for any other purpose
- ✓ Manufactured from Ultra High Molecular Weight Polyethylene (UHMWPE) rope
- Exceptionally strong yet easy to handle by the ship's crew
- Offers excellent resistance to UV and chemical damage
- ✓ Supplied with an instruction manual
- Supplied with safety warning tag to attach to the release handle in the lifeboat to remind operators to remove the FPD before activating the lifeboat release mechanism
- ✓ Fully compliant with the MSC.1/Circ 1327 guidelines
- Can be retrofitted to all existing release and retrieval systems

FALL PREVENTION DEVICE (FPD)

COMES WITH A LLOYD'S REGISTER CERTIFICATE AS STANDARD

Survitec's Fall Prevention Device (FPD) has been developed to help reduce the number of accidents caused by the failure of on-load lifeboat release hooks.

It is strongly advised that ship owners ensure all vessels are equipped with this sort of device to ensure compliance with MSC guidance circular 1327. Under the new regulations adopted by the International Maritime Organization (IMO) in 2011, all new on-load release mechanisms for lifeboats must have been evaluated against new design requirements by 1 July 2013. Any non-compliant hooks must be replaced at the first scheduled dry docking of the ship after 1 July 2014 but not later than 1 July 2019.

The FPDs are attached between the lifeboat and the fore and aft davit fall blocks providing a

second line of safety in case the loaded hook system fails while lowering or raising the lifeboat. The safety strops are removed before activating the sling release mechanism just before the lifeboat enters the water. The strops are then reattached before the lifeboat is retrieved from the water. All FPDs need to be in place before any drill, testing, inspection or maintenance work is carried out that requires people to be in the lifeboat.



SURVITECZODIAC RIBO

Offering speed and stability, Survitec offers a range of boats specifically designed for search and rescue operations in the most arduous of environments. The range includes varying sizes to suit multiple purposes and requirements, adapted to suit your operational needs. Offering complete seaworthiness, shock mitigation and low freeboard, these boats are ideal for optimising stability and manoeuvrability when critical support is required.

Designed and manufactured out of our highly successful manufacturing facility in Chevanceaux, France, the search and rescue boats are manufactured with durable neoprene fabric and a strong GRP composite hull, allowing for the transportation and rescue of liferafts with a capacity of up to 150 people.

KEY FEATURES

- Easily accessible and can be launched quickly with a lifting sling and release hook in any circumstances
- ✓ Adapted design for use on yachts
- ✓ Allows for either 5 or 6 passengers
- Equipment provided with boats includes: boarding ladder, towing line, boat hook, radar reflector and positioning light
- RIBO 600 and FRB 600 are equipped with self righting system suitable for use in difficult seas

THE RANGE INCLUDES VARYING SIZES TO SUIT MULTIPLE PURPOSES AND REQUIREMENTS, ADAPTED TO SUIT YOUR OPERATIONAL NEEDS.



SURVITECZODIAC RIBO 340



LENGTH 3.4 M

The Survitec RIBO 340 P Sling is a 'Non SOLAS' rigid/inflatable rescue boat with a capacity of up to five people. It refers to EC Directive 2002/35/EC for fishing vessels of 24 meters and over. This is linked to the Torremolinos Convention for fishing vessels that allows Marine Administrations the possibility to accept "Non SOLAS" rescue boat under 3.80 m but over 3.30 m with a capacity of 5 people (4 seated, 1 lying).

KEY FEATURES

- ✓ Length 3.40 m
- ✓ Launched by means of sling and approved release hook

SURVITECZODIAC RIBO 450



LENGTH 4.5 M

This rescue boat is equipped with a righting system and can be launched using a 4-point sling and approved release hook. The 450 is a SOLAS rigid/inflatable rescue boat approved with USCG and EC approval certificates. The RIBO 450 has a capacity of 6 people with one fixed bench and two tilting benches.

KEY FEATURES

✓ Length 4.5 m

 Launched by means of a four point sling and approved release hook

SURVITECZODIAC RIBO 600



LENGTH 6.0 M

The Survitec RIBO 600 can be sling launched using an appropriate release hook (SWL > 1500 kg). This boat features a wheel console with jockey seat, two further jockey seats, additional seating for two further passengers and additional space for a full stretcher. The 600 is a SOLAS rigid/inflatable rescue boat approved with USCG and EC approval certificates.

- ✓ Length 6.00 m
- Launched by means of a four point sling and approved release hook
- ✓ Self righting frame



SURVITECZODIAC FAST RESCUE BOAT (FRB) 600



KEY FEATURES

- ✓ 5 airtight compartments; 5 inflation valves; 5 overpressure valves
- ✓ Long shaft length
- ✓ Fuel tanks integrated in crew seats
- ✓ Three-way valve to switch fuel tank or shut off fuel line
- Dry batteries x 2 (no acid), battery switch and battery charger (1.48 V AC)
- Bow towing post and onload release shackle

- 1 aft towing V with snap hook; 2 towing points on transom
- ✓ Neoprene orange fabric
- ✓ Reflective taping
- ✓ Peripheral rubbing strake
- Glass-reinforced plastic composite rigid orange hull
- ✓ Hull drainage point

FUEL TANKS INTEGRATED IN CREW SEATS

The Fast Rescue Boat 'FRB' 600 is 6 meters long and can accommodate up to six passengers. It is equipped with a self-righting system and can be sling launched with an approved release hook.

This boat features a wheel console with jockey seat, two further jockey seats plus additional seating for two further passengers and additional space for a full stretcher.

SOLAS approved and distinguished from the RIBO 600 by the addition of a single point lifting frame. Available in engine sizes 75 or 90 HP and supplied with a bow only boat cover as standard.

FRB 600 SELF-RIGHTING SYSTEM IN ACTION









DSB INFLATABLE RESCUE BOATS

6 - 15 persons

INFLATABLE KEEL RESULTING IN EXCELLENT MANEUVERABILITY IN THE WATER

Inflatable Boats are available in several sizes including the 420, 470 and 530. Exceptionally lightweight due to ultra-light Hypalon fabric and smaller outboard engine, our boats require smaller davits making transport and servicing easier, more efficient and economical.

Built for a variety of end users including commercial marine and defence organisations, the Survitec Rescue Boats couple operator friendly, advanced performance capabilities with durability and innovative design.

All SOLAS approved rescue boats are supplied with wooden floorboards. When SOLAS approval is not required aluminium floor boards are available.

BUILT FOR A VARIETY OF END USERS INCLUDING COMMERCIAL MARINE AND DEFENCE ORGANISATIONS.

- ✓ Inflatable deep V shaped keel for improved maneuverability
- Fitted with radar reflector, compass and all standard safety equipment
- ✓ Reinforced Hypalon seams
- ✓ Hypalon fender tube is UV and abrasion resistant
- ✓ Inflatable keel resulting in excellent maneuverability in the water
- ✓ Advanced bow design increases internal space
- ✓ Low weight resulting in easier maneuverability
- ✓ Available in 3 sizes: 420, 470 and 530

DSB SEMI-RIGID INFLATABLE RESCUE BOATS

ADVANCED BOW DESIGN INCREASES INTERNAL SPACE

Survitec's range of Semi-rigid Inflatable Rescue Boats are heavyduty products designed and built to offer commercial marine and defence end-users with a product that incorporates maximum durability and increased manoeuvrability over an extended life cycle.

All Semi-rigid Inflatable Rescue Boats are built to the highest quality from marine-approved, environmentally friendly materials. Driven to consistently improve our customer offering, our range of Semi-Rigid Inflatable Rescue Boats meet and exceed our customers' expectations and remain unchallenged in today's survival market.

KEY FEATURES

- Self-draining concealed hull offering additional safety buoyancy
- ✓ Fitted with radar reflector, compass and all standard safety equipment
- ✓ Reinforced Hypalon seams
- ✓ Hypalon fender tube is UV and abrasion resistant
- Aluminium sandwich hull is sea water and capillary crack resistant
- Exceptional hull design results in excellent manoeuvrability in the water
- ✓ Sealed hull compartment with frames and stringers
- ✓ Advanced bow design increases internal space
- ✓ Fully furnished with approved safety equipment pack
- ✓ Sizes available: 3.9 / 4.3 / 5.1
- ✓ size 4.3 and 5.1 are also available with an approved jockey console

EXCEPTIONAL HULL DESIGN RESULTS IN EXCELLENT MANOEUVRABILITY IN THE WATER





(FLOOD RESCUE)



BESPOKE SOLUTIONS AVAILABLE

The DSB GP 470 inflatable emergency response boat is specifically designed to meet the needs of emergency services teams who require rapid response solutions in ever changing rescue environments.

Available in a number of floor options including an inflatable floor, segmented floor and roll-up floor. The inflatable floor combined with the inflatable keel facilitates smaller outboard engines for the same performance and allows for the boat to be easily stowed and transported, eliminating the need for boat trailers and allowing you to inflate your boat from almost any location.



- ✓ Stowage compartments
- ✓ Ultra-light, proven durable materials
- ✓ Multiple handles for lifting and towing
- ✓ Full warranty on spare parts
- Easy to pack and rapidly deploy
- ✓ Low fuel consumption
- ✓ High build quality
- ✓ Global service network for quick service capabilities
- ✓ Bespoke solutions available



ENGINES & PROP GUARDS

PATENTED PROP GUARD[™] PROPELLER PROTECTION

Survitec can supply a number of rescue and workboat ancillary items including SOLAS-approved engines and the patented Prop Guard™ propeller protection.

The Prop Guard[™] is a unique, patented propeller guard, with no moving parts, no electrical wiring, or hydraulic hoses. It can be easily installed in minutes with a few basic tools. It will vastly improve safety, and can give better overall performance.



PERSONAL LIFESAVING APPLIANCES (LSA)

For Survitec saving lives is undoubtedly of paramount importance to us. We believe your vessel should not only be equipped with the Personal LSA needed to meet your regulation requirements, but additionally using our expert design technologies should perform to the highest possible safety standards should it need to be used in an emergency. A key example of this is our lifejacket bladder design technology: our expert design team constantly push the boundaries in design, keeping you up to date with the most advanced technology in lifesaving equipment.

In addition, we offer a vast range of Survival Suits including both immersion suits and drysuits, available in multiple fabric technologies, size ranges and with a number of spare and accessory options. Our wide range of man-overboard (MOB) rescue & recovery systems and storage solutions are also available and can be tailored to accommodate your operational requirements.



OUR EXPERT DESIGN TEAM CONSTANTLY PUSH THE BOUNDARIES IN DESIGN, KEEPING YOU UP TO DATE WITH THE MOST ADVANCED TECHNOLOGY IN LIFESAVING EQUIPMENT.

SURVIVAL SUITS

SINCE JULY 2006, REGULATIONS FOR CARGO SHIPS AND BULK CARRIERS TRADING OUTSIDE THE PARALLELS 20 DEGREES NORTH OR 20 DEGREES SOUTH HAVE STIPULATED THAT ONE FULLY APPROVED IMMERSION OR ABANDONMENT SUIT MUST BE CARRIED FOR EACH CREW MEMBER. THE CREWSAVER IMMERSION SUIT RANGE ALLOWS YOU TO COMPLY WITH THESE REGULATIONS.



CREW ENDURANCE PLUS

The suit has a neoprene face seal and, combined with a mouth and nose mask, it ensures a comfortable and secure body seal. Five fingered integral latex gloves provide great dexterity and for extra insulation an overglove is stowed in its own sleeve pocket. The suit also features a one-piece durable metal zip, for dependability. Ankle adjusters add to the secure and comfortable fit. We have also added further safety aids including SOLAS grade retro-reflective tape on head, chest, arms and back, plus a buddy line.



- ✓ 40Mm nylon lifting strop harness with stainless steel d-ring
- ✓ 5 Finger integral latex glove for increased dexterity
- Additional over glove for increased insulation, can be stowed in its own sleeve pocket
- ✓ Unpacked and donned in under 2 minutes
- ✓ Fire retardant neoprene construction
- ✓ Waterproof zip and med/solas approved
- ✓ Reflective tape
- ✓ Withstands the impact of a jump into water from 4.5M
- Prevents a typical wearer's core body temperature from dropping by more than 2°c after six hours in calm water of 0-2°c

CREW ENDURANCE

The Crewsaver Endurance immersion suit is fully approved to the current SOLAS MED regulations. Made from 5mm fire retardant neoprene to provide good insulation and resistance to oil, sunlight and seawater.

Quick and easy to put on, each is supplied in it's own carry bag with donning instructions included. All seams are glued and blindstitched to ensure they are totally waterproof. Critical areas are taped for additional reinforcement and the foot sole is reinforced.

KEY FEATURES

- Unpacked and donned in under 2 minutes
- Waterproof zip and MED/SOLAS approved reflective tape
- ✓ 5 mm neoprene face flap and inside chin flap for dual protection
- ✓ Outer material neoprene
- ✓ Withstands the impact of a jump into water from 4.5 m
- ✓ Fire retardant neoprene construction
- Prevents a typical wearer's core body temperature from dropping by morethan 2 °C after six hours in calm water of 0-2 °C

CREW ENDURANCE 140N

The Crew Endurance 140N provides all of the same technical features as the Crew Endurance with the addition of a buoyancy pillow and lifting strop.

Providing over 140N of buoyancy enables the suit to be worn without a lifejacket, an attached buoyancy pillow supports the wearer when floating face up.

- ✓ Buoyancy pillow
- ✓ Unpacked and donned in under 2 minutes
- ✓ 40 mm nylon lifting strop harness with stainless steel D-ring
- ✓ Waterproof zip and MED/SOLAS approved reflective tape
- ✓ Withstands the impact of a jump into water from 4.5 m
- ✓ Fire retardant neoprene construction
- Prevents a typical wearer's core body temperature from dropping by more than 2 °C after six hours in calm water of 0-2 °C





CREW LATITUDE 140N

Building on the success of our past immersion suit designs, we introduced this fabric suit to our range specifically as an alternative to the neoprene suit for those needing a lightweight option.

Providing over 140N of buoyancy enables the suit to be worn without a lifejacket, an attached buoyancy pillow supports the wearer when floating face up.

KEY FEATURES

- ✓ Unpacked and donned in under 2 minutes
- 40 mm nylon lifting strop harness with stainless steel D-ring
- Supplied with whistle, buddy line and lifting strop
- ✓ Waterproof zip and MED/SOLAS approved reflective tape
- ✓ Withstands the impact of a jump into water from 4.5m.
- ✓ Outer material terylene textile + TPU
- Prevents a typical wearer's core body temperature from dropping by more than 2 °C after six hours in calm water of 0-2 x°C

CHILD IMMERSION SUIT

Crewsaver child immersion suits are fully approved to the current SOLAS MED regulations. They are made from 5mm fire retardant neoprene to provide good insulation and resistance to oil, sunlight and seawater.

Quick and easy to put on, each is supplied in it's own carry bag with donning instructions included. All seams are glued and blindstitched to ensure they are totally waterproof. Critical areas are taped for additional reinforcement and the foot sole is reinforced. The suit also provides thermal protection.

- Optional 50mm nylon lifting strop harness with stainless steel D-ring
- ✓ Unpacked and donned in under 2 minutes
- ✓ 5 mm 3 finger neoprene gloves, hood and boots
- ✓ Fire retardant neoprene construction
- ✓ Waterproof zip and MED/SOLAS approved reflective tape
- Prevents a typical wearer's core body temperature from dropping by more than 2 °C after six hours in calm water of 0-2 °C





This suit should be used with an approved lifejacket.



AS A SUPPLIER OF OFFSHORE SUPPORT SERVICES, IT IS IMPORTANT TO US, AND OUR CLIENTS, THAT THE SAFETY AND COMFORT OF OUR PERSONNEL WORKING IN HARSH CONDITIONS IS PARAMOUNT IN THE SUPPLY OF SAFETY EQUIPMENT - ALLOWING THEM TO BE CONFIDENT IN THEIR ENVIRONMENT. THE NEW GENERATION OF OFFSHORE SURVIVAL SUITS, NAMELY THE S1000, HAS BEEN THOROUGHLY CONSIDERED AND DEMONSTRATES THE PEDIGREE THAT SURVITEC ARE ABLE TO DRAW ON THROUGH CONSTANT LIAISON AND UNDERSTANDING OF THE INDUSTRY NEEDS.

TECHNICAL MANAGER JAMES FISHER AND SONS PLC

1000 SERIES TRI-APPROVED WIND ENERGY SUIT

DESIGNED SPECIFICALLY FOR THE OFFSHORE WIND ENERGY INDUSTRY

The new 1000 Series Offshore Wind Power immersion suit has been designed specifically for the renewable energy industry to provide the ultimate protection for personnel travelling over water.

Designed to exceed the requirements of the latest European aviation and marine standards, the suit boasts a number of practical attributes enabling the wearer to complete operational tasks, as well as survival characteristics created to protect in the event of an emergency.

The extremely robust suit structure is fully waterproof, breathable and inherently flame retardant. The interior offers increased insulation against extreme cold and improved thermal comfort with reduced thermal stress.

Offshore workers will benefit from enhanced protection from the durable watertight seals at the neck and wrists, and from the re-enforced Kevlar implemented into the knee, seat and elbow areas. The 1000 Series uniquely holds triapproval status, which means that it complies with the marine (SOLAS), aviation transportation (ETSO) and constant wear (CE-PPE) regulations.



This suit should be used with an approved lifejacket

KEY FEATURES

- Unique tri-approval status, which means that it complies with the marine (SOLAS), aviation transportation (ETSO) and constant wear (CE-PPE) regulations
- Multiple wearer options to support marine and/or aviation transportation
- Designed specifically for the Offshore Wind Energy Industry
- Exceptional in-water performance and survivability
- ✓ Dual and tri approved options available
- Inherently flame retardant material providing optimum protection against fire
- Reinforced protection on knee, seat and elbow areas

OPTIONAL ACCESSORIES:

- ✓ Helmet
- ✓ Fall Arrest Harness
- Rope Access Lifejacket



FREE STRATUM

ATACAMA DRYSUIT

3 LAYER BREATHABLE FABRIC WITH ENHANCED WATERPROOF PROPERTIES

With 3 layer breathable fabric, Crewsaver's Atacama Pro and Sport drysuits rival their namesake desert as the driest place on Earth. The Glideskin neoprene wrist and neck seals, plus latex socks, further help to keep the water at bay.

- ✓ 3 layer breathable fabric
- ✓ YKK Aquaseal flexible zip construction
- ✓ Articulated arms and legs for increased freedom of movement
- Reinforced seat and knees Leg pocket with D-ring attachment
- ✓ Glideskin neoprene wrist and neck seals
- ✓ Elasticated waist removable braces



LIFEJACKETS

BLADDER DESIGN TECHNOLOGY: OUR EXPERT DESIGN TEAM CONSTANTLY PUSH THE BOUNDARIES IN DESIGN, KEEPING YOU UP TO DATE WITH THE MOST ADVANCED TECHNOLOGY IN LIFESAVING EQUIPMENT. HERE WE OUTLINE SOME OF THE LATEST THINKING IN RECENT LIFEJACKET DESIGNS.

EXPERT DESIGN:

All our lifejacket bladders are designed ergonomically for everyday use, but without compromising your survival in the very worst scenarios. In normal conditions, the 3D sculptured shaping gives you maximum comfort and allows you to move freely and without hindrance. However, should an emergency arise and you find yourself in the water, you'll find our unique designs inflate quickly and reliably. They have buoyancy distribution to keep your mouth well above the water, known as mouth freeboard, and top-of-therange turning properties to safely float you on your back. Our inflatable chin support will also help to keep your airways clear.

TOP-OF-THE-RANGE MATERIAL:

Whether you seek comfort, functionality, approval, reliability, longevity or strength, we have a Crewsaver lifejacket to suit you and your workforce. Our design team carefully chooses the best and most appropriate materials for each product, ensuring the ultimate in comfort and longevity for the individual environment. We then combine our in-depth know-how with the latest technology to construct quality products which offer you the best possible performance. A great example of this is the Riverseal[®] fabric that we use in all our lifejacket bladders. Crewsaver was one of the first companies to incorporate this fabric into lifejacket designs, to provide the strongest and most resilient bladders on the market.

- High abrasion resistance High puncture resistance High tenacity nylon fabric Exceptional tear and breaking strength
- Approved to ISO-2402, SOLAS, UP and CAA

IT'S WHAT'S INSIDE THAT COUNTS:

The unique buoyancy distribution provides exceptional turning solutions even when wearing heavy clothing. The bladder is highly visible on inflation and hosts an impressive array of features including a built-in chin support, location beacon attachment points and dual lifting beckets. Spray hood^{*} includes additional piping and breather holes to keep it off your face and aid visibility

Slimline profile around the neck allowing you to move your arms more freely

Accessible twin lifting beckets, allowing your crew to get you out of the water as easily as possible

The most up-to date Hammar MA1 and UML Pro-Sensor operating head which prevents accidental activation by wave splashes

Unique bladder distribution providing turning solutions in less than 3 seconds

Crotch straps to reduce lifejacket ride up

EXAMPLE: CREWFIT 275 N XD WITH ADDED HOOD AND LIGHT

A built in inflatable chin support, comfortably supports your head and keeps your airways clear

Manual oral tube for additional air top up

Built in AIS attachment point, AIS can also be fitted as standard to activate automatically on inflation

Built in lifejacket light, whistle and spray hood

Attachment for fitting a PLB

Reflective tape to aid visibility

290 N inflation chamber providing exceptional turning speeds even when wearing heavy clothing

ISO APPROVED SINGLE CHAMBER LIFEJACKETS

THE WORKVEST RANGE

The Crewsaver Workvest range uses technology and expertise gained by Survitec through its work in the design and manufacture of lifejackets for the marine and aviation markets. The range provides absolute protection and performance to ensure your workforce safety is taken care of. By uniting our innovative ergonomic designs with ground breaking performance materials, the Crewsaver Workvest range aims to provide you with the winning formula.

The Crewfit XD range offers the ultimate in advanced comfort and performance technologies. Using a modular design the XD offers a choice of covers, inflation and harness options to best suit your requirements. Fusion 3D technology, as used in the XD and HF ranges, provide complete freedom of movement and ensures the lifejacket remains comfortable even during long periods of use.





CREWFIT 275N XD

Constructed using a heavy duty 500 D cover to maintain longevity of the lifejacket. An external indicator window* with protective panel and Pro-Sensor or Hammar firing mechanism means the status of the lifejacket can be checked by the user before use.

KEY FEATURES

- ✓ Fusion 3D ergonomic shape for comfort and freedom of movement
- Available with Heavy Duty 500 D, Fire Retardant or Wipe Clean cover
- ✓ With fabric shoulder panels for easy cleaning and comfort
- ✓ Indicator window with protection panel and Hypalon retainer *
- Twin waist adjusters
- ✓ YKK tri point quick burst zip
- Supplied with dual crotch straps
- The 275 N inflation chamber out performs approval and offers 290 N of buoyancy

- Built in chin support and twin lifting beckets
- Manual oral inflation tube for additional air top up
- ✓ S20 AIS and PLB attachment points
- Reflective tape to aid visibility
- CSL light attachment point
 *On Heavy duty 500D cover option







CREWFIT 150N XD

Constructed using a heavy duty 500 D cover to maintain longevity of the lifejacket. An external indicator window* with protective panel and Pro-Sensor or Hammar firing mechanism means the status of the lifejacket can be checked by the user before use.

KEY FEATURES

- ✓ Fusion 3D ergonomic shape for comfort and freedom of movement
- ✓ Available with Heavy Duty 500 D, Fire Retardant or Wipe Clean cover
- Indicator window with protection panel and Hypalon retainer*
- Twin waist adjusters
- ✓ YKK tri point quick burst zip
- ✓ Supplied with dual crotch straps
- The 150 N inflation chamber out performs approval and offers 190 N of buoyancy
- Built in chin support and twin lifting beckets
- Manual oral inflation tube for additional air top up
- S20 AIS and PLB attachment points
- CSL light attachment
- Reflective tape to aid visibility
 *On Heavy duty 500D

cover option





CREWFIT 150N HF

The Crewfit 150 N HF combines the very best in design, performance and comfort. The ergonomic Fusion 3D shape, High Fit profile and twin waist adjusters allow for easy donning, freedom of movement and ensures maximum comfort even during long periods of use.

Heavy duty 500 D front panels provide excellent durability for the working marine markets, whilst fabric shoulder panels ensure a comfortable fit. In addition, this compact and lightweight workvest includes a soft loop harness point and crotch strap fitted as standard. Also included is an external indicator window allowing the user to check the firing mechanism with ease when required.

KEY FEATURES

- ✓ Fusion 3D ergonomic shape for comfort and freedom of movement
- ✓ Compact High Fit profile for comfort
- ✓ Heavy Duty 500 D front body panels
- for maximum durability

 Indicator window
- Twin waist adjusters
- YKK guick burst zip
- Soft loop harness point
- Supplied with dual crotch straps
- The automatic 150 N inflation chamber out performs approval and offers 180 N of buoyancy

- Built in chin support and lifting becket
- Manual oral inflation tube for additional air top up
- S20 AIS attachment point
- Reflective tape to aid visibility
- CSL light attachment point







Heavy Duty Red

CREWFIT 150N

Latest developments from Crewsaver's continual programme of research and development brings you a traditionally designed lifejacket incorporating modern day technology.

The Crewfit 150 N and Crewfit 150 N Wipe Clean offers integral safety features such as the inflatable chin support. In addition, the lifejacket remains easy to regularly maintain, service and repack using a Velcro closure system to ensure efficient and cost effective solutions for your operation.

- The automatic 150 N inflation chamber out performs approval and offers 165 N of buoyancy
- Available in Heavy Duty or Wipe Clean
- Built in chin support and lifting becket
- Manual oral inflation tube for additional air top up
- Reflective tape to aid visibility
- ✓ Waist adjuster
- Velcro closure system
- ✓ Supplied with dual crotch straps
- ✓ CSL light attachment point

SOLAS/MED APPROVED TWIN CHAMBER LIFEJACKETS

SOLAS LIFEJACKET RANGE

Fully compliant to SOLAS standards, the Crewsaver twin chamber lifejackets offer the very best in performance features for maximum workforce comfort and safety.

ROPE ACCESS 275N 3D

Designed in conjunction with the world's leading offshore operators the Rope Access 3D 275 N is the only lifejacket of its kind available to date. Specifically designed for the offshore industry the Rope Access 3D 275 N includes an array of unique key features to aid both the comfort and safety of those operating at height.

The Rope Access 3D 275 N encompasses an ergonomic 3D design giving the user total freedom of movement and unique weight distribution providing the ultimate comfort. Additionally, the lifejacket includes extra features which allow the user to wear the lifejacket with any integrated fall arrest harness, giving the user one complete safety solution.



KEY FEATURES

- Red crotch straps to ensure visibility with an additional protective cover to prevent twisting and snagging
- ✓ Removable back strap for attaching fall arrest harness
- ✓ Easy to replace waterproof service labels
- ✓ Foam padded cover for added impact protection
- ✓ Easy to replace cover system, allowing you to replace the outer cover easily when required. Spare covers can be purchased separately including fire retardant, heavy duty and wipe clean options. This jacket comes with the wipe clean cover as standard
- ✓ Soft pull tabs helping to prevent snagging and accidental inflation
- PLB and AIS ready

Twin chamber 275 N

FUSION 3D



SEAWORK SPIRIT OF INNOVATION AWARD - SAFETY & TRAINING WINNER 2017



SEACREWSADER 290N 3D

Building on the success of the Seacrewsader 275 N, the 290 N 3D lifejacket offers a unique design allowing the user to remove the outer cover of the lifejacket. This provides the ability to replace covers easily when they are no longer fit for use, or the user needs to change application for alternative use such as to the fire retardant and heavy duty wipe clean option.

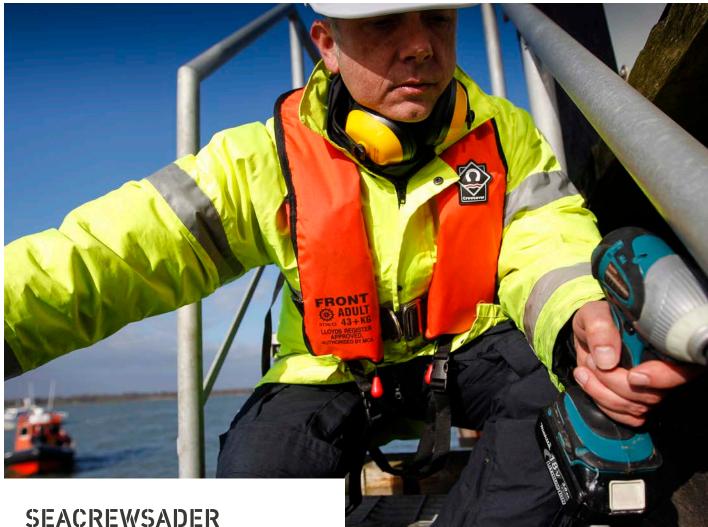
The Seacrewsader 290 3D encompasses ergonomic 3D design giving the user freedom of movement and unique weight distribution providing ultimate comfort. This 290 N twin chamber jacket also comes complete with plastic pockets allowing you to remove and replace service labels and donning instructions easily when covers are changed,all labels are also fully waterproof aiding long life.

- ✓ Twin chamber 275 N MSC 200 (80)/ SOLAS/MED-approved lifejacket
- Easy to replace cover system
- ✓ Waterproof service labels
- ✓ Can be used with a PLB and AIS
- ✓ Fusion 3D cover
- ✓ High strength plastic quick release buckle
- ✓ YKK QBZ Tri-burst zip
- ✓ Foam padded cover for added protection
- ✓ Spare covers can be purchased separately including fire retardant and wipe clean options









SEACREWSADER 275N

The Seacrewsader 275 N is designed to meet the SOLAS 2010 regulations according to MSC 81(70) as amended by MSC 200(80) and MSC 207(81). However, the lifejacket outperforms this requirement, providing increased performance in the most demanding working environments.

We have improved the body angle, mouth freeboard and face plane angles to ensure you are even safer at sea.

- ✓ Twin chamber 275 N MSC 200 (80)/SOLAS/MED-approved lifejacket
- Suitable for use with most immersion and abandonment suits (subject to compatibility testing)
- ✓ Easy to don and comfortable
- ✓ Improved body angle, mouth freeboard and face plane angles
- ✓ Fall arrest and deck harness options available
- ✓ Covers available in standard durable PU coated Polyester, wipe clean and fire retardant options





SOLAS/MED APPROVED FOAM LIFEJACKETS



Orange - Passengers

Yellow – Crew

LEADING THE WAY IN PASSENGER AND CREW LIFEJACKET SAFETY

PREMIER COMPACT

Since the Crewsaver Premier was introduced in July 2010, the lifejacket has led the way in passenger and crew lifejacket safety.

Driven by regulation changes for lifejacket accessibility on cruise ships, and customer demand for reduced bulk and improved storage options, Crewsaver has designed the Premier Compact - a 42% smaller alternative to the original Premier 2010.

The Premier Compact provides the crucial, continued safety and performance features of the previous and delivers improved storage options due to its significantly reduced volume and easy-stack profile. A unique design of the neck opening allows for increased wearer comfort, while durability is assured by the use of tried and tested quality components.

- Efficient use of storage space at only 17.4L 42% smaller alternative to the original premier 2010
- Easy pull-out pillow for intuitive donning
- A foam cut out for the buckle ensures easy stackand-stow, no folding or manipulation required
- Sacrificial stitch at the end of the waist belt to allow it to run free if caught, helping to prevent snag hazards
- Improved comfort and fit around the neck with reengineered neck aperture
- ✓ Buddy line and whistle stored in recessed pocket
- ✓ High visibility fabric, foam and webbing are a
- ✓ Proven success in the field
- ✓ Waist belt designed to fit chest girth of 1750mm
- Clear id windows for vessel identification







Infant





PREMIER - CHILD & INFANT

Since its introduction, the Crewsaver Premier lifejacket has led the way in passenger and crew lifejacket safety. The first lifejacket to be approved to MSC 200(80), it is now the jacket of choice among some of the most discerning superyachts and the largest cruise ships and commercial vessels worldwide.

KEY FEATURES

- ✓ Patented design neck system
- ✓ Easily adjustable waist belt
- ✓ Reflective strips
- Child and infant sizing

CRIB LIFE PRESERVER

This inherently buoyant baby life preserver is essential for emergency and rescue work. Built for maximum safety and comfort for the infant, it is made of soft PVC foam with the length easily adjustable to suit a wide range of sizes.

To make the crib easy to use and secure, it has a front opening zip and adjustable belt, coupled with a webbing safety line and hand loop for attaching to an adult. An optional lifejacket light is also available.

Please note this product would be carried in addition to the statutory requirements for lifejackets on vessels.





INSHORE 380N AS USED BY THE RNLI

The Inshore 380 N has open sides and a versatile adjustment system allowing it to fit most adults. It features 90 N of permanent buoyancy, provided by closed cell foam at the front and back, allowing you the maximum freedom of movement to swim and perform a rescue.

Should more buoyancy be required, an additional 290 N is available from a manually-operated inflation chamber fitted with a 60g $\rm CO_2$ cylinder.

KEY FEATURES

- ✓ Tested and developed in collaboration with the RNLI
- ✓ Fitted with a heavy duty cover
- Light, retro-reflective tape
- ✓ Twin flare pockets
- ✓ Integrated safety harness

- Spray hood and crotch straps fitted as standard
- Buddy line
- ✓ Approved to BSEN ISO 12402-2 and BESN ISO 12402-6DIRECTIVE 89/686/EEC



OFFSHORE 290N

The Crewsaver ALB Offshore 290 N Lifejacket is a twinchamber, 290-Newton lifejacket designed, tested and developed in collaboration with the RNLI, ensuring its complete suitability for use by rescue boat crews in offshore and extreme conditions.

A waistcoat style, the Offshore 290 N has open sides and a versatile adjustment system allowing it to fit most adults. It has one automatic buoyancy chamber and a second manually-operated chamber. This makes the lifejacket ideal for use in extremely rough conditions, or when supporting a survivor in the water.

- ✓ Twin-chamber lifejacket
- ✓ UML MK5I standard automatic inflation mechanism one chamber
- Halkey Roberts manual mechanism one chamber
- ✓ Supplied c/w Chest Harness, Twin Hook Safety Line, Flare Pocket, SOLAS/MEDapproved light, Spray Hood, Crotch Straps and Buddy Line
- Approved to BSEN ISO 12402, Directive 89/686/EEC

EVOLUTION 250N

The Evolution 250 N is a hybrid, general purpose, waistcoat style lifejacket designed for working in an environment where frequent water immersion is probable.

Constructed with 60 N of inherently buoyant foam, a 190 N quick turn inflation chamber provides you with all the benefits of a buoyancy aid coupled with the increased safety of a lifejacket.

KEY FEATURES

- ✓ Dual lifting beckets
- Dual crotch straps with back stowage pocket
- ✓ Back haulage handle
- Heavy gauge YKK quick burst zipped chamber cover
- 2 layer abrasion resistant, wipe clean, foamlined impact protective chamber cover
- ✓ Dual front cargo pocket
- ✓ Knife sheath pocket
- ✓ Ability to incorporate AIS or PLB systems
- Reflective tape to aid visibility
- Optional SOLAS-approved light
- Universal size suitable for adult sizes



SWIFT WATER RESCUE (SWR) BUOYANCY AID

The Swift Water Rescue (SWR) is a top-of-the-range multi-purpose emergency response 80 N buoyancy aid. Its one-size-fits-all design featuring intuitive waist adjusters, strategically positioned retrieval handles and a quick release belt makes this buoyancy aid an easy and economic choice for rescue teams. Designed to enable carriage of accessories, including VHF radio, ensures all equipment is easily stored and accessible.

- Side flaps for impact protection which can also be folded to stop build up of heat
- Reflective print to aid visibility
- Specially positioned handles to enable a swift retrieval
- ✓ VHF radio pocket with side zip entry for easy use
- ✓ ID Flag to allow own branding
- ✓ Quick release buckle with toggle
- Custom one size fits all fit to enable swift donning
- ✓ Anti snag buckle cover
- Velcro tab for cowtail attachment





MAN OVERBOARD EQUIPMENT

Survitec can supply a broad range of man overboard recovery products to help ensure you are fully equipped to keep your crew safe when out on the water, in dock or on a pontoon. Our comprehensive range includes rescue and recovery systems, man overboard retrieval devices, ladders and nets.

All our products are manufactured using the toughest, most hard wearing materials possible and available in multiple variations to suit your specific survival needs.

CREWSAVER PERSONAL RECOVERY DEVICE 'CPRD'

The CPRD is an ergonomic, safe and effective man overboard retrieval device (MOB), designed to assist in the retrieval of conscious and unconscious casualties from the water. Retrieval can be made horizontally without risking further injury to the casualty, or to the rescuer.

Available in a variety of sizes, each CPRD is tailored to suit the individual needs of your specific environment and application.

Constructed from high density delrin plastic rungs and steel rods, it is fitted with Marine Grade 316 stainless steel snap hooks. We have added lifting strops and heaving lines to aid a swift and practical retrieval. In its larger sizes, the Crewsaver PRD can be used as a scramble net on the side of a vessel and in rescue zones or other environments where casualties are in a position to recover themselves - such as canal locks or dock walls.

The CPRD is suitable for use by tugboat operators, standby vessels, cruise and ferry operators, MOD establishments, the Coastguard and other rescue organisations. It can also be put to work in many other applications.

There is a three year servicing requirement for each CPRD which is readily available through the Survitec international network.

SOLAS approval : LSA Code Regulation I/1.2, IMO Resolution MSC.81 (70) Part 1 Section 1.2 &1.4, SAE J 1960, ISO 4892-2

CPRD - FAST RESCUE CRAFT

The CPRD Fast Rescue Craft is a SOLAS approved Man over Board (MOB) retrieval device, ergonomically designed to assist in the retrieval of conscious and unconscious casualties from the water. Retrieval can be made horizontally without risking further injury to the casualty, or to the rescuer.

The device is available as a complete kit, in two sizes, and is supplied in a robust and highly visible case that is suitable for stowing in the craft. It comes complete with hypolon patch fixing kits to attach it to either side of the craft.

Constructed from high density plastic rungs and steel rods, it is fitted with Marine Grade 316 stainless steel snap hooks. We have added lifting strops and heaving lines to aid a swift and practical retrieval.

There is a three year servicing requirement for each Fast Rescue Craft CPRD which is readily available through the Survitec international network.



The Rescue Stretcher Kit is an ergonomic, safe and effective stretcher designed to assist in the retrieval of conscious and unconscious casualties from the water. Retrieval can be made horizontally without risking further injury to the casualty, or to the rescuer.

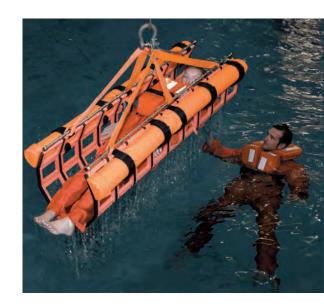
The Rescue Stretcher can be used in conjunction with a rescue swimmer, ensuring the casualty is easily transferred into it even when rescuing direct from the water. The stretcher is then quickly hoisted clear of the water and transferred back into the craft with a block and tackle or davit arrangement. Constructed from high density plastic rungs and steel rods, it is fitted with Marine Grade 316 stainless steel snap hooks. We have added lifting strops and heaving lines to aid a swift and practical retrieval.

Available in two sizes, 9x8 and 11x10, there is a three year servicing requirement for each Rescue Stretcher, which is readily available through the Survitec international network.

SOLAS approval : LSA Code Regulation I/1.2, IMO Resolution MSC.81 (70) Part 1 Section 1.2 &1.4, SAE J 1960, ISO 4892-2







PERSONAL PROTECTION

Accidents cannot be prevented, but how we protect ourselves from short and long-term injury is a crucial element in today's working environment. Therefore, Survitec have set up and built relationships over a number of years, with some of the world's leading personal safety equipment suppliers to ensure you, the customer, can be supplied with our broad range of key products within this category in order to meet your safety equipment needs. Key to the Survitec Personal Protection range includes our range of Self Contained Breathing Apparatus (SCBA's) and Emergency Escape Breathing Device (EEBD's), Portable gas detectors, chemical suits and spill kits.

Where required, our equipment includes spare parts and/or trained & approved service personnel to ensure that levels of safety are not compromised when faced with damage, misuse, recertification, loss or wear and tear.







The Gas-Pro Detection Unit

11

The Tank-Pro Gas Detection Unit



The T4 Gas Detection Unit

A VITAL PIECE OF EQUIPMENT FOR CREW MEMBERS ENTERING ANY ENCLOSED SPACE OR TANK.

PORTABLE **GAS DETECTION**

GAS DETECTION SOLUTIONS

A gas detection unit of any kind is a vital piece of equipment for crew members entering any enclosed space or tank. The SOLAS XI-1/7 regulation approved by MSC 93/94, requires all ships engaged in international voyages to have a minimum of one portable 4-gas detection unit on-board.

Survitec offer a range of gas detection units including the Gas Pro and the T4 detection unit.

THE GAS PRO DETECTION UNIT is the ideal solution for working in confined spaces around the vessel. Offering detection of up to 4 gases in a compact and rugged solution, Gas Pro has a built in pump & easy to read top mount display combining ease of use with user focused features.

THE T4 GAS DETECTION UNIT offers you compliance, robustness and low cost of ownership in a simple to use solution. A large single button and intuitive menu system allows the user to operate the unit even when wearing gloves.

THE TANK-PRO IS A GAS DETECTION

UNIT especially designed for tankers. It is made for use in inert environments where standard gas detectors just won't work. Tank-Pro overcomes this due to its dual infra-red sensors. One common hydrocarbon detection method is pellistor sensors. However, these sensors require the presence of oxygen to work, and if hydrocarbon levels get too high it can compromise the sensors' effectiveness.

EMERGENCY BREATHING

Emergency breathing devices can be an important lifesaving device for your crew in an emergency; they can be used for escaping an area with hazardous conditions such as fire, smoke and poisonous gases. All offshore vessels must carry at least two emergency escape breathing devices in their crew accommodation and machinery spaces to comply with current SOLAS regulations.



INTERSPIRO SPIROSCAPE EEBD

THERE CANNOT BE A SIMPLER UNIT THAN THE SPIROSCAPE.

Once it is donned, the user is able to focus on escape. This is made possible with the unique ambient air valve which automatically opens when the cylinder is depleted thereby eliminating the risk of suffocation inside the hood and no air is wasted on a low air warning alarm. The patented air distribution system expels $\rm CO_2$ from the hood optimising the use of air from the cylinder.

The air flow is activated by pulling the quick start tab. This simultaneously opens the zipper on the carrying bag, giving the user access to the hood. An anti-tamper tag verifies the integrity of the unit and the cylinder contents gauge can easily be read from the outside. The hood has a very flexible neck seal providing an effective seal and making the hood easy to don and comfortable to wear.

OCENCO EEBD'S FROM 2003 OR OLDER ARE NOW REQUIRED TO BE REPLACED

OCENCO M-20.2 EEBD

THE WORLD'S SMALLEST AND MOST DURABLE EEBD

A LIFE PRESERVER YOU WEAR ON YOUR BELT: The Ocenco M-20.2 compressed oxygen Emergency Escape Breathing Device provides up to 32 minutes of protection and can be donned in seconds by simply unlatching the case, pulling out the unit, and inserting the mouthpiece and nose clip. With the option to wear the M-20.2 EEBD on a belt it makes it suitable for use in confined spaces.

Additionally, if the environment is smoke filled, the compressed oxygen and mouthpiece combination allows the M-20.2 EEBD to be donned safely and easily, allowing the hood to be donned at any time during the escape to provide additional protection as a breathing bag against heat and chemicals that maybe present in the area.



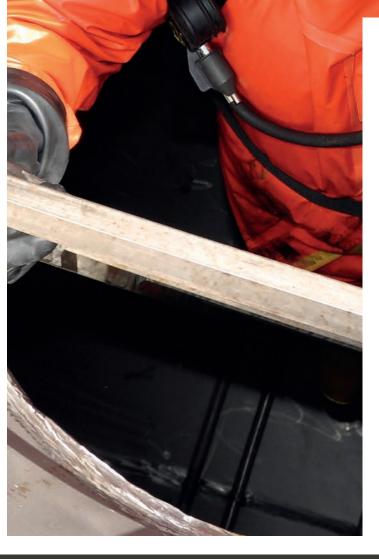
SELF CONTAINED BREATHING APPARATUS (SCBA)

EXCELLENT BREATHING PERFORMANCE

A self-contained breathing apparatus (SCBA), sometimes referred to as a compressed air breathing apparatus (CABA), air-pack, or simply breathing apparatus (BA), is a device worn by ships rescue workers, firefighters, and others to provide breathable air in an IDLH (immediate danger to life and health) atmosphere.

The term "self-contained" means that the breathing set is not dependent on a remote supply (e.g. through a long hose). An SCBA typically has three main components: a high-pressure breathing air cylinder, a pressure regulator and an inhalation connection (mouthpiece, mouth mask or face mask) connected together and mounted to a carrying frame. Our range is specifically chosen to meet maritime needs.





CHEMICAL & SPILL PROTECTION

EXCELLENT PROTECTION AGAINST HAZARDOUS CHEMICALS IN LIQUID, VAPOUR, GASEOUS AND SOLID FORM

Regulation 13 of the Control of Substances Hazardous to Health Regulations (2002) places a duty on employers to provide for appropriate emergency response, including immediate remedial action, in the event of a chemical spill. At Survitec we offer a range of emergency response kits to ensure this duty of care can be met by our customers.

All kits supplied meet with EA guidelines and legislation and assist with ISO 14001compliance. Kits can be tailored to meet your individual requirements and are supplied in a protective spill kit container, manufactured from high quality high density UV stabilised polyethylene with two or four wheels (depending on the kit) for easy movement.

LEADING PRODUCTS INCLUDED WITHIN THE SURVITEC RANGE:

- ✓ Chemical resistant clothing
- ✓ Trellchem Chemical Suits
- ✓ Drizit Spill Kits

FIRST AID & MEDICAL

Many of your medical equipment needs are available through the Survitec portfolio; this includes a variety of first aid kits, defibrillators, eye wash stations, emergency showers and oxygen resuscitation equipment. Soft pack first aid kits can be supplied for your lifeboat requirements and hard pack versions for your small passenger vessel requirements. Our entire range of products is specially designed for ease of use and is most importantly consistently reliable.





FIRST AID KITSEYE WASH
EQUIPMENTEMERGENCY
SHOWERSImage: Constraint of the second s

OUR ENTIRE RANGE OF PRODUCTS IS SPECIALLY DESIGNED FOR EASE OF USE AND IS MOST IMPORTANTLY CONSISTENTLY RELIABLE.

DEFIBRILLATORS



OXYGEN SYSTEMS



FIRE BLANKETS & BURNS KITS



RESUSCITATOR

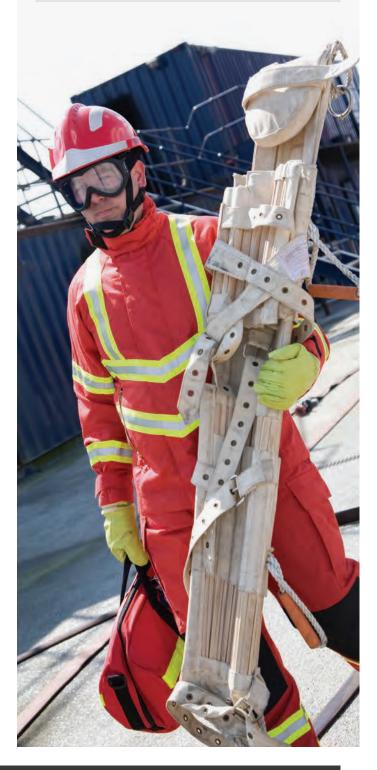


STRETCHERS

Our broad range of rescue and recovery stretchers means that no matter what environment you are working in we will have the product to cater to your specific rescue needs.

KEY PRODUCTS

- ✓ Neil Robertson Stretcher
- ✓ Basket Stretcher and Accessories
- Paraguard Excel Rescue Stretcher
- ✓ Scoop Stretchers Model S265 and 65 EXL
- ✓ Confined Space Rescue Stretchers



EMERGENCY COMMUNICATION

Finding yourself in a distressful environment is not something any of us would like to experience. However, our diverse range of emergency communication can be a vital tool for attracting attention and communicating your intentions to either those on board or other vessels. Our global distribution network supplies a range of quality approved brands to cater for a variety of vessel requirements and to suit your safety needs.

> NE EVACUATIC SYSTEMS

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On November 30th, 2012 the Maritime Safety Committee adopted Resolution MSC.338(91) among which, Chapter II-2 "Construction – Fire Protection, Fire Detection and Fire Extinction" mentions specifically the use of suitable radio equipment.

IN CASE OF FIRE COMMUNICATION IS VITAL FOR SAFETY AND

EFFICIENCY ON BOARD ALL VESSELS When it comes to one of the most extreme and dangerous situation crews can face – the outbreak of a fire – the need for efficient

communication for the coordination of firefighting is even more vital.

On November 30, 2012 the Maritime Safety Committee adopted Resolution MSC.338(91) among which, Chapter II-2 "Construction – Fire Protection, Fire Detection and Fire Extinction" mentions specifically the use of suitable radio equipment.

SAILOR FIRE RADIO



- 🗸 Echo
- 🗸 Robust design
- ✓ Waterproof (ip67)
- ✓ Large display
- Clear sound
- Large tactile buttons
- 🗸 Ribbed grip
- Interface to external accessories

SIGNALLING EQUIPMENT

If you do end up in any kind of distress and are in need of assistance, signalling equipment can be a vital tool for attracting attention and communicating your intentions to other vessels.

With this in mind, Survitec have created a signalling equipment portfolio to cater for a variety of vessel requirements.

KEY PRODUCTS

- ✓ max radar reflectors
- ✓ Daylight signal shapes
- ✓ Searchlights
- ✓ Signalling lamps
- ✓ Lotron strobe light
- Light sticks



SAFETY SIGNS & MANUALS

A number of safety signs and mandatory place cards are available to help ensure your efficient and safe operation. In addition we also supply safety manuals for vessels.

KEY PRODUCTS

- ✓ Safety signs
- ✓ Safety awareness posters
- ✓ Safety warning tapes
- ✓ SOLAS cards and charts
- ✓ SOLAS training manuals
- ✓ Fire training manuals
- Lifeboat & liferaft survival manuals

MCMURDO ELECTRONICS RANGE

McMurdo, a division of Orolia, is the global leader in emergency readiness and response including search and rescue and maritime domain awareness solutions.

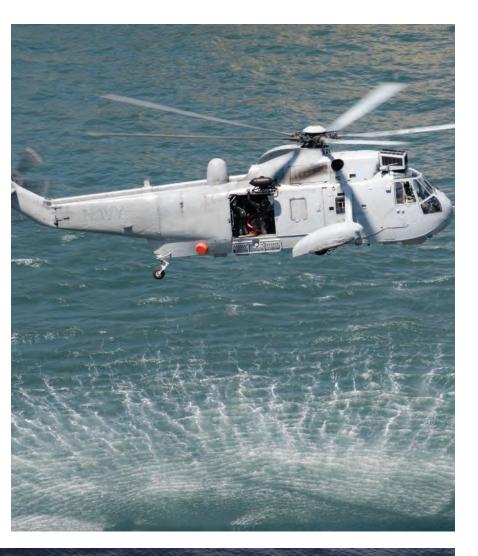
At the core of these solutions are resilient positioning, navigation and tracking products, technologies and systems that have helped to save over 37,000 lives since 1982.

KEY PRODUCTS









PAINSWESSEX & COMET PYROTECHNICS RANGE

Pains Wessex and Comet have been a leading supplier of marine distress signals for over 100 years. When you specify lifesaving equipment for your vessel, you need to know beyond any doubt that it is the most reliable and cost-effective available. With Pains Wessex advanced pyrotechnic marine distress signals, you can be sure you have made the right choice.

PYROTECHNICS CAN BE PURCHASED AS INDIVIDUAL UNITS OR IN PACKS INCLUDING; LIFEBOAT DISTRESS, SHIPS BRIDGE, OFFSHORE, COASTAL AND INSHORE PACKS.

KEY PRODUCTS

- Line Thrower Units Line Thrower Body Inc. Line and Line Thrower Rocket
- ✓ Man-overboard MK9
- ✓ Parachute Red Rocket MK8A
- ✓ Red Handflare MK8

- Lifesmoke MK9
- 🖌 Handsmoke MK8A
- ✓ Buoysmoke MK9
- Parachute Illuminating Rocket MK8A
- ✓ White Handflare MK8
- Day & Night Distress Signal MK8
- Personal Distress Signal Kits
- ✓ Poly Bottles & Grab Bags

FIRE EXTINCTION

Keeping crew and passengers safe is the number one priority whilst at sea. Over many years we have supplied Fire Extinction solutions for new builds and retrofit in addition to acting as your continued safety partner throughout the life of your vessel. Included in our portfolio is a range of marine approved loose equipment and a number of complete safety systems.

Through our innovative designs and efficient systems, our customers stay safe, while keeping installation and operational costs low.

All Survitec safety products are compliant with SOLAS and are approved by major Flag and Class' approval standards, including wheel mark where required. Our range of products are cost efficiency, easy to use and above all off you peace of mind. Furthermore, they are supported by our global service network.



NFF XFLOW WATER MIST SOLUTIONS

The NFF water mist system creates a mist of fine water droplets. Droplets in variable sizes circulate in the airflow, suppressing the supply of oxygen and absorbing the heat energy and that way it breaks the chain of combustion. Water is an effective agent for fire fighting as it is readily available and environmentally friendly. When water is added as mist it is most efficient at reducing and dissipating heat and thereby controlling, suppressing and extinguishing a fire.

KEY WATER MIST SYSTEMS INCLUDE:

- NFF XFlow Local Application Fire Fighting System
- NFF XFlow Total Flooding System
- NFF XFlow Accommodation System
- NFF XFlow Wet Pipe and Deluge Systems
- NFF XFlow Water Mist Deep Fat Fryer and Duct Systems
- NFF XFlow Mobile Water Monitor
 - NFF XFlow Water Mist Lance

FULL PROTECTION WATER MIST

THE NFF XFLOW WATER MIST SYSTEM PROVIDES RELIABLE FIRE PROTECTION BASED ON THE NEWEST TECHNOLOGY AND OFFERS A NUMBER OF ADVANTAGES:



QUICK RELEASE: Harmless to crew and machinery and can be released immediately, without prior evacuation, reducing the risk of damaging surrounding equipment.



COMPACT DESIGN: Uses water from the vessel's fresh water tank, with a backup connection for seawater. No dedicated storage space is required, increasing the overall productive space available on your vessel.



LOW WATER CONSUMPTION: The secret of the XFlow technology is the combination of very fine water droplets and water mist using small water consumption. The droplets cool down the fire and extinguish it while the water mist encapsulates and suffocates the fire by keeping out the oxygen.



HIGHER SAFETY LEVEL: Water is an effective agent for fire fighting as it is readily available and environmentally friendly. When water is added as mist it is most efficient at reducing and dissipating heat and thereby controlling, suppressing and extinguishing a fire.



STANDARD COMPONENTS: The water mist system uses a water mist nozzle with low working pressure and low water flow. The pipe system components such as fittings and valves are standard components, keeping installation and maintenance costs low.



POWDER SYSTEM



EFFECTIVE SOLUTION FOR GAS CARRIERS

The Dry Chemical Powder Fire Extinguishing System (DCP system) is designed for use on "B" and "C" class fires. The system uses dry powder which breaks down the chemical reaction within the fire and subsequently suppresses the flames almost immediately.

A COST EFFECTIVE SOLUTION

- Designed to keep material and installation costs low
- ✓ Standardised system components minimise maintenance and operational cost
- ✓ Modular units provide a flexible solution, reduce piping routes and eliminate the need for distribution piping
- ✓ Components can be installed on skid for reduced installation time and cost



- Proven time release and capacity capabilities
- ✓ A wide range of pressure vessels for powder are available to meet the demands for various system sizes
- ✓ Can be deployed by hand held hoses, fixed monitors, or a combination of both
- ✓ Up to 190 metre pipe and 33 metre hose for handheld pistol
- ✓ Up to 140 metre pipe for monitor
- ✓ Tested in minus 28 °C in long pipes
- ✓ Provides complete coverage to all areas in need of protection
- ✓ Powder penetrates into the smallest and even partially covered locations
- Can be installed as a central, modular or hybrid system



KEY FEATURES

- ✓ Options of manual or pressure operated cylinder top valves to quickly discharge the CO₂ gas
- ✓ No requirement for electrical power, water or machinery to release the gas
- The system is equipped with alarm devices which will pre-warn the crew to evacuate the protected space
- ✓ A safe release delay function to ensure the safety of the crew
- Sequential release design provides optimised protection to the enclosed space

COST EFFECTIVE SOLUTION FOR ENCLOSED SPACES

The CO_2 system is a total flooding system designed to suppress fires in machinery spaces of Category A, engine rooms, pump rooms and cargo holds. The system, proven to be fast and effective, has been supplied to hundreds of vessels worldwide.

BENEFITS

- ✓ A cost effective solution for optimal system performance, keeping both installation and operational costs low
- The system is available on rack modules to save installation time and cost
- ✓ Quick discharge reduces potential cost of damages
- ✓ Minimal and easy maintenance keeps operational costs low



1230 CLEAN AGENT SYSTEM

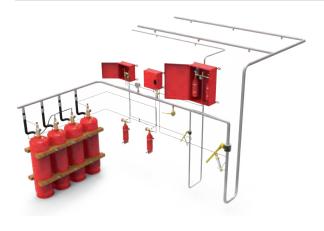
A CLEAN ALTERNATIVE.

Traditionally, fire extinguishing systems for the offshore and maritime industry have contained components harmful to the environment and personnel, such as Halon and CO₂. The 1230 Clean Agent System is a high quality, compliant fire extinguishing system using a clean agent. The system is both environmentally friendly and harmless to people. The solution is particularly suited for rooms with sensitive equipment and vessels where space is limited.

BENEFITS

- ✓ A high quality & compliant clean agent fire extinguishing system
- ✓ A true Halon replacement alternative with the possibility of utilising existing pipe installations
- ✓ Designed for optimum system performance
- ✓ Large nozzle coverage, with a unique nozzle discharge pattern
- ✓ Small pipe dimensions
- ✓ For service purposes, replacement fluid is available worldwide
- ✓ Saving installation space and weight
- ✓ Easy installation and low installation cost
- ✓ Safe for use in occupied spaces, with no risk of human asphyxiation
- ✓ Extinguishing fluid used has no measurable environmental impact

- Large nozzle coverage designed specifically for the offshore and marine industry, with a unique nozzle discharge pattern
- In many cases, existing piping arrangements can be utilised for Halon retrofits
- Extinguishing fluid used has no environmental impact





KEY FEATURES

- Inergen is the only fire extinguishing system that is frequently demonstrated with an audience inside the protected room
- ✓ It contains 8 % CO₂. This means that the body can absorb as much oxygen as it would in a normal atmosphere
- It is stored in cylinders as compressed gas and does not create fog in the protected room when released
- ✓ Inergen does not decompose or react with other components in the fire. This eliminates corrosion or residual harmful agents in the protected space
- Inergen has no Ozone Depletion Potential (ODP) and no Global Warming Potential (GWP)

SAFE FOR CREW, EQUIPMENT AND ENVIRONMENT

The Inergen system is a fire extinguishing solution for enclosed spaces. Inergen is a clean agent consisting of only atmospheric gases and can be applied on merchant marine and offshore structures.

BENEFITS

- ✓ Safe for crew, equipment and environment
- Can be released immediately when a fire is detected, avoiding unnecessary damage caused by the fire
- ✓ Is safe for use in occupied spaces
- Easy to install and operate



DECK FOAM SYSTEM

EFFECTIVE PROTECTION OF OPEN SPACE **AREAS**

The Low Expansion Foam fire extinguishing system (Deck Foam System) uses a non-toxic foam concentrate, water and air to effectively extinguish fires in open spaces. The system provides safe and effective protection, and is harmless to the crew and environment.

BENEFITS

- ✓ A cost effective solution, keeping both installation and operational costs low
- ✓ Designed for optimal system performance
- ✓ Components delivered on modular units reduces installation cost
- ✓ Minimal and easy maintenance keeps operational cost low
- ✓ Easy operation
- ✓ Modular skid based units provides easy installation and reduced footprint
- Corrosion resistance component materials and coatings provide a robust, low maintenance system
- ✓ For services purposes, foam concentrate replacements are delivered worldwide
- ✓ Flexible, high quality and compliant system



- ✓ Monitors, portable applicators and foam spray nozzles can be used individually or in conjunction to build an effective foam firefighting system that will quickly and effectively extinguish a fire. Effectively blankets fire and prevents further outbreak using non-toxic low expansion foam
- ✓ A balanced pressure proportioner guarantees reliable foam mixing
- ✓ Sturdy and compact foam monitors use jet or fog mode
- ✓ Fixed monitors are used to fight fire from a predetermined safe distance, while portable applicators and nozzles cover shadow areas not reachable by the monitors
- ✓ The monitors are adjustable and can be used in jet or fog mode and operated manually or remote hydraulically

HIGH EXPANSION FOAM SYSTEM

A SAFE AND COST EFFICIENT ALTERNATIVE

The High Expansion Foam Fire Extinguishing System (High Foam system) uses foam consisting of a synthetic foam concentrate, water and air. The system is designed as a total flooding system for machinery spaces of Category A, cargo pump rooms and other enclosed spaces onboard vessels or on offshore installations.

KEY FEATURES

- ✓ Fast and effective solution for machinery space fires with filling rate of 1.66 metre per minute
- ✓ The system can be installed as a total flooding solution for the entire machinery room or for individual compartments
- Quick activation of the system minimises fire and heat damage to equipment and structures
- The foam is not harmful and the cooling effect hinders the fire from reigniting after it is extinguished
- No hazardous decomposition products that could cause damage are formed
- Zoning provides options for selective and sequential release, which give optimised protection of your equipment and reduce water capacity needs

BENEFITS

- ✓ A cost effective solution
- Designed for optimal system performance, keeping both installation and operational costs low
- ✓ Do not require an external foam generating room. The high expansion ratio and the stable condition of the foam results in a very rapid filling rate with low water and foam concentration consumption
- ✓ The expansion ratio of 1:666 using internal air eliminates the need for extensive air ducting and fans
- Easy to install and operate
- ✓ Requires minimal maintenance
- ✓ For servicing purposes, replacement of the foam concentrate is available worldwide

11

QUICK ACTIVATION OF THE SYSTEM MINIMISES FIRE AND HEAT DAMAGE TO EQUIPMENT AND STRUCTURES.





DEEP FAT COOKING SYSTEM

PROTECT YOUR GALLEYS' DEEP FAT FRYERS

The Deep Fat Cooking fire extinguishing system is a fixed fireextinguishing system for galleys' deep fat fryers onboard ships. The system is approved by major Classification Societies and European Council Directive 96/98 on Marine Equipment (MED), has been tested according to ISO 15371:2009, and complies with SOLAS requirements.



- ✓ Provide protection for up to three deep fat fryers
- ✓ Easy and low cost installation with standard components
- ✓ All components on the galley hood in stainless steel
- ✓ All tubing and fittings of low pressure type
- ✓ Automatic operation with detection
- ✓ No electrical power required for operation available worldwide

FIRE EXTINGUISHERS

SURVITEC OFFER A RANGE OF FIRE EXTINGUISHERS FOR ALL CLASSES OF FIRE, IN BOTH STORED PRESSURE AND CARTRIDGE OPTIONS. MED, CE, BS EN3 APPROVED EXTINGUISHERS ARE AVAILABLE IN BOTH PORTABLE AND WHEELED OPTIONS.



WATER: The most commonly used extinguisher for Class 'A' only, involving carbonaceous materials such as wood, paper, textiles etc. As a fire extinguishing medium, water is cleaner than most other types , barring CO_{γ} , and is very effective.



POWDER: Dry powder fire extinguishers are the most powerful of all general purpose extinguishers as they chemically inhibit the fire as well as smothering it. Dry powder extinguishers are extremely efficient on class 'A' fires, and are also effective on class 'B' and class 'C' (gaseous) fires. BC dry powders can be used on class 'B' flammable liquid fires, class 'C' and fires involving electrical equipment.



FOAM: Foam fire extinguishers, with an AFFF additive (Aqueous Film Forming Foam), have the effect of enhancing the cooling action of water enabling the extinguisher to be used very effectively on Class 'B' Flammable Liquid fires, by sealing the surface and preventing re-ignition. They also feature a unique nozzle which ensures operator safety if in accidental contact with live electrical equipment. Fully tested to, and complies with, electrical conductivity test as specified in BS EN 3-2, clause 4, Annex A.



CARBON DIOXIDE: CO₂ fire extinguishers are for use on class 'B' fires and live electrical equipment.

FAT FIRE: Fat fire extinguishers are specially designed for extinguishing cooking oil fires in industrial kitchens and canteens.

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		Wood, paper, textiles and other carbon-aceous materials.	Flammable liquids, petrols and spirits.	Flammable gasses. For example propane and butane.	Fires involving burning metals.	Fires caused by electrical equipment where electric current may be present.	Cooking oil and fat. For example olive oil, maize oil, lard and butter.
Water	1	~	×	×	×	×	×
Foam	1	~	~	×	×	×	ABF Foam only
Dry Powder	1	~	~	~	×	~	×
Argon with Microfire D Powder	1	×	×	×	~	×	×
CO ₂ Gas	1	×	~	×	×	~	×
Wet Chemical	1	~	×	×	×	×	~





PORTABLE EXTINGUISHERS CARTRIDGE OPERATED

AVAILABLE IN POWDER, WATER OR FOAM

Survitec offer a range of portable, cartridge operated, fire extinguishers for all classes of fire. Standard models held in stock are Water, Dry Powder and Foam. We can also supply extinguishers for fat fires and metal fires. See the Survitec website for more information on the models and sizes available. Marine brackets are available for the extinguishers.



STORED PRESSURE EXTINGUISHERS

AVAILABLE IN POWDER, WATER, FOAM AND CARBON DIOXIDE

Survitec offer a range of portable, stored pressure, fire extinguishers. Standard models held in stock are Dry Powder, Foam and CO_2 . See the Survitec website for more information on the models available. Marine brackets are available for the extinguishers.



WHEELED EXTINGUISHERS

AVAILABLE IN POWDER, WATER AND FOAM

If you have high risk locations with limited access, Survitec offer a range of wheeled extinguishers which allow you to fight fires from a longer distance, giving you protection from heat and fire. Wheeled extinguishers provide you with the ability to quickly and easily move high capacity extinguishers nearer to the fire. These are available in Dry Powder, Foam and CO_2 approved to EN 1866 and MED 96/98 EC.



FIRE HOSES

The range of fire hoses supplied by Survitec is specifically designed for marine use. They are MED approved and can be fitted with a range of couplings, adaptors and nozzles to suit your vessel's requirements. They can be supplied with or without couplings. In addition we also supply fire hose storage options.

Additionally, Survitec can also supply hose for the transfer of drinking water.

FIRE COUPLINGS

Survitec can supply a range of fire hose fittings. The range includes gunmetal and light alloy hose couplings, adaptors, blank caps and washers covering both British and International styles plus standard slanges and international ship-to-shore flange adaptors. The options available include Instantaneous, Storz, NOR (Norlas), Nakjima (JIS), Machino, NH American, Barcelona, GOST, ROTTA, Guillemin, SMS, UNI, Nunan and Stove.

These items can be supplied fitted to the fire hose or separately as required.



A range of fire nozzle options are available to suit your operational needs these include:

- ✓ Attack Flow Nozzles variety of options
- ✓ Jet/Spray Nozzles variety of options
- ✓ Fog Lance Nozzles For use in 'hard to reach' places such as ships' holds
- ✓ Fog Spike Lance Kits For container fire fighting on board



FOAM CONCENTRATES

A range of portable foam equipment can be supplied, including self inducing and standard foam branchpipes and variable in line foam inductors, as well as mobile foam units.

To complement our range of Foam Firefighting Equipment, Survitec can supply a range of high quality foams which provide excellent costeffective performance with minimal environmental impact. Catering for all manner of fire and spill risk scenarios, the range includes both synthetic and protein based foams, available on short lead times, in 25 litre or 200 litre containers.

FIRE PROTECTION & DETECTION

Gas carriers, chemical carriers and oil tankers need a system to prevent fire and explosions in the cargo or void spaces and to prevent damage by air and moisture. This can be achieved by keeping the oxygen content below 8 %, a standard set by the International Maritime Organisation (IMO).

Key to our Fire Protection offering is our fire safety systems including our Inert gas generators built to produce an inert gas by burning oil or gas. Equally our Nitrogen generators can be used for the same purpose as the inert gas generators, but are generally chosen for smaller gas volumes.

GAS CARRIERS, CHEMICAL CARRIERS AND OIL TANKERS NEED A SYSTEM TO PREVENT CARGO FROM CATCHING FIRE.







KEY FEATURES

- ✓ Fully automatic operation
- ✓ A horizontal and recessed combustion chamber that prevents fuel oil spill through Salt Water drain line in case of misfire or dripping from fuel nozzle when not in operation
- ✓ Automatic turn down ensures best possible fuel economy
- ✓ Programmable Logic Controler (PLC), with specially designed burner ignition sequence, ensuring a flawless ignition of the unit every time
- ✓ Smart and solid design ensures reliable operation performance and easy maintenance

INERT GAS GENERATOR SOLUTIONS

SAFE TRANSPORTATION OF DANGEROUS CARGO

Vessels carrying cargos that produce hydrocarbon vapors require an inerting solution to eliminate the risk of explosions and fires in the cargo tanks. This can be achieved by keeping the oxygen content below 8 %, a standard set by the International Maritime Organisation (IMO).

The Maritime Protection Inert Gas Generator System is a combustion solution that creates inert gas from the burning process. The gas contains less than 5 % oxygen and ensures a non-explosive atmosphere in the cargo tanks and their piping arrangement. Maritime Protection inert gas systems, part of the Survitec total inert gas range, are based on conventional technology that is well proven. It has been used in the marine market used since the early 70's.

BENEFITS

- ✓ Space saving installation
- Easy to install and operate
- ✓ Best possible fuel economy
- ✓ Reliable operation performance and easy maintenance



MARITIME PROTECTION DRY INERT GAS GENERATOR

SAFE TRANSPORTATION OF DANGEROUS CARGO

Vessels carrying liquefied gas need an inerting solution to prevent explosions on sea voyages before and after dry-docking. This can be achieved by keeping the oxygen level below 1 % in the cargo area.

The Maritime Protection dry inert gas generator for liquefied gas carriers is a new concept based on a proven solution. It is a combination of the traditional inert gas generator based on combustion and a two stage dehumidification system, including a cooling and adsorption process, where the classical two bed adsorption dryer has been replaced with a compact rotating adsorption dryer. The dew point of the inert gas is lowered to the required specifications below minus 45 °C with oxygen content less than 1 %.

- ✓ Up to 50 % reduction in weight and foot-print compared to conventional systems
- ✓ Continuous regeneration of dryer
- Modern design for easy installation and maintenance
- ✓ 100 % automatic control, no manual adjustments required by operator
- ✓ Dew point below minus 45 °C reached 20-40 minutes after start, decreasing to below minus 60-65 °C
- Constant and uniform dew point during operation

- ✓ High grade steel (SST 904) used for the combustion chamber
- Mechanically simple and reliable centrifugal blowers due to low pressure drop in system
- ✓ MODBUS communication with IAS
- ✓ In dry air mode: no need of Inert Gas generator. Only cooler, dryer and dry gas blower in use time and cost



KEY FEATURES

- ✓ Unique generator design for flexible installation. It only requires access from two sides
- ✓ One of the smallest footprints in the market
- ✓ Standardised system range from compact sizes up to 5300 Nm³
- ✓ Standardised cabinets and skids where filtration package and membrane racks are split
- ✓ Special cabinet solution is available for vessels with low nitrogen flow requirements and very limited space
- ✓ Designed with long lasting membranes for maritime environments and ambient temperature up to 55 °C
- ✓ High quality filter system and unique operational functionality protecting the membranes

- ✓ No moving parts
- ✓ "State of the art", fully automated control and monitoring system that protects equipment from damage and costly repairs
- ✓ Functionality for maintenance cycles, and pre-alarm for critical conditions allows for easy maintenance planning

BENEFITS

- Long lasting and reliable system
- ✓ Flexible and space saving installation
- ✓ Predictable delivery time and time saving installation
- ✓ Easy maintenance
- ✓ Low maintenance cost

PROTECTION NITROGEN SYSTEM

WHEN RELIABILITY AND SIZE MATTERS

The system is designed to protect transportation of flammable and sensitive cargo. As an inert gas medium, nitrogen is the purest, and thereby the preferred, solution for applications where cargo contamination could be an issue.

Survitec is proud to present the reengineered Maritime Protection Nitrogen system, first introduced in 1984. The system is based on membrane technology and is designed in accordance with SOLAS, IMO MODU Code and other standards for the maritime markets. The system is delivered with all necessary approvals.

OTHER COMBUSTIBLE INERT GAS & NITROGEN SYSTEMS

Included within our Maritime Protection (MP) range are a number of additional systems, ensuring that Survitec can offer you a system solution that caters to your specific need.

THESE INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING:

- ✓ MP Flue Gas System
- ✓ MP Flexinert System
- ✓ MP Dual Fuel Inert Gas System
- ✓ Survitec Nitrogen Cylinder Central System
- ✓ MP Nitrogen Membrane Controlled and Modified Atmosphere System



MP FLUE GAS SYSTEM





KEY FEATURES

- ✓ The systems are approved by the major classification societies
- ✓ The detectors have a subtle design and are easy to install and set up with common detector base regardless of detector type
- Comprehensive fault diagnostics and detector condition monitoring allow rapid location of faults and minimize downtime

BENEFITS

- ✓ Safe for crew, equipment and environment
- Can be released immediately when a fire is detected, avoiding unnecessary damage caused by the fire
- ✓ Is safe for use in occupied spaces
- ✓ Easy to install and operate

RELIABLE WARNING

Based on standard components the systems are customised for your specific project and delivered with comprehensive design documentation.

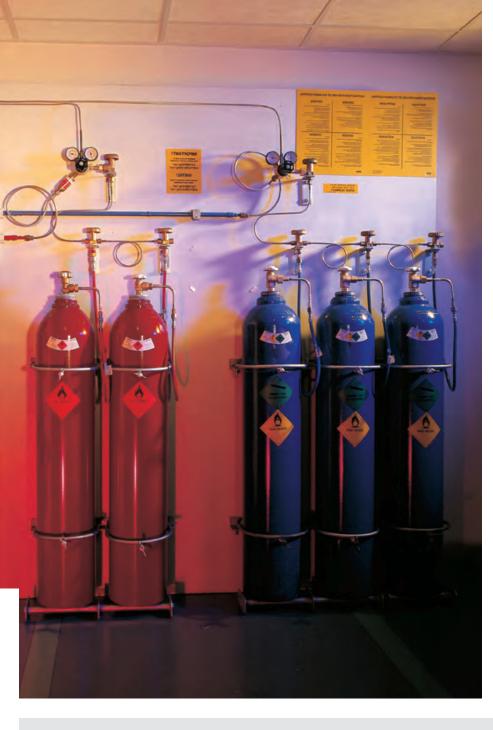




AC/OX GAS DISTRIBUTION SYSTEM

EFFICIENT AND SAFE GAS WELDING

The gas distribution central for acetylene and oxygen is the most safe solution onboard a ship or in an offshore installation.



KEY FEATURES

- Includes all items necessary for the gas central room, including signs, racks, equipment and brackets to be screwed or welded to deck and bulkhead
- Included are also pre-welded unions to be welded to the distribution pipes, and brazed to the evacuation pipes from the regulator safety valves
- Gas cylinders, cylinder trolley, clamps, bushings and outlet stations should be ordered separately in necessary quantities

BENEFITS

- ✓ Safe for crew, equipment and environment
- Can be released immediately when a fire is detected, avoiding unnecessary damage caused by the fire
- ✓ Safe for use in occupied spaces
- ✓ Easy to install and operate





FIRE BUDDY PLUS SUIT

The Firebuddy Plus fire fighter kit is our top-of-therange suit using softer flexible materials to give you more freedom of movement. The Firebuddy Plus Kit is an MED/SOLAS approved fireman's outfit comprising of jacket, trousers, helmet, leather gloves and rubber boots. Non-conductive gloves can be supplied as an optional extra if required.

- The jacket has a stand up collar, elasticated cuffs and is closed by a zip covered by an overlapping front
- The touch and close fastening and elasticated trouser braces allow for the suit to be donned quickly
- ✓ Generous suit sizing to allow for additional clothing
- ✓ Gloves, boots and helmet are en approved in accordance with med ships wheel
- ✓ Soft flexible materials to provide movement



One Piece Fire Suit

FIRE SUIT

The lightweight one-piece and two-piece firefighter suits, provide an ergonomic design for ease of movement.

With multiple pockets for storing accessories, this durable kit launders well, is colour fast and hard wearing requiring minimum maintenance. The complete fire-fighting PPE ensemble includes gloves, boots and helmet. The flash hood is also available as an optional extra.

KEY FEATURES

✓ MED approved

FIREGUARD SUIT

The Fireguard Suit is a two-piece garment with a two-layer construction of fire resistant natural fibre to EN532. It has been treated with Proban and a water repellent finish, which can withstand 50 washes without degradation.

The jacket has a stand-up collar, elasticated cuffs and is closed by a zip covered by a flap with touch and close fastening to front and collar. The trousers have an elastic halter and plastic adjuster allowing a wide range of wearers. The lower leg is tightened with touch and close straps.

KEY FEATURES

- ✓ SOLAS approved
- ✓ Supplied as a kit in a valise including Helmet (to EN397), Gloves – inner and outer, Rubber Boots (EN20345)
- ✓ One size only

FLAMEGUARD MK3 SUIT

The lightweight one-piece suit provide an ergonomic design for ease of movement.

With multiple pockets for storing accessories, this durable kit launders well, is colour fast and hard wearing requiring minimum maintenance. The suit is MED approved. The complete fire-fighting PPE ensemble includes gloves, leather or rubber boots and helmet. The flash hood is available as an optional extra.

KEY FEATURES

 Also available in two piece options with jacket and trousers or jacket and salopettes



Fire 04 HT Helmet



Fire Fighters Boots (MED)



Fire Fighters Boots (SOLAS)



Fire Fighters Gloves



ONE SUPPLIER, ONE PROMISE



- SAFETY SERVICE SIMPLIFIED





SAFETY ON BOARD YOUR VESSEL IS OF THE UTMOST IMPORTANCE. IN TODAY'S COMPETITIVE MARKET OPERATORS CONTINUE TO SEEK WAYS TO MAXIMISE THEIR EFFICIENCIES AND REDUCE COST WITHOUT COMPROMISING ON PERFORMANCE.

As leader of the marine safety industry, Survitec has taken on the task to develop a solution that makes sure vessels are kept safe and compliant while reducing complexity and total cost of ownership. Working in close cooperation with ship operators, managers and owners we asked how we could make operations easier and more efficient, from this SOLAS 360 was born.

SOLAS 360 is a brand-new, market-first concept with the aim of keeping vessels safe and compliant Providing operators with an all-encompassing safety solution covering the totality of their safet equipment supply and servicing needs, including liferafts, lifeboat, fire systems and loose safety equipment.

Learn more about how we map and pro actively manage services on all safety equipment, reducing risk andprovide high quality products and services at an affordable cost.



SERVICE COMPLETION GUARANTEE

Achieved through due date monitoring, proactive service planning, dedicated technical support and a customer portal, giving operators access to their compliance status and safety certificates. This combined allows us to offer a service completion guarantee before your certificate expiry.



FIXED, PREDICTABLE PRICING MODELS

Fixed predictable costs for all safety services expanding over five years allows customers to plan and manage their safety spend more effectively.



DEDICATED GLOBAL SUPPORT

For all requests, logistics and invoice details means less coordination, administration and most importantly less risk of error.

SERVICE COMPLETION GUARANTEE

Survitec guarantees to perform safety inspections on agreed equipment, in agreed ports, within the designated due date giving a minimum of five working days' notice.

Being safe and compliant is perhaps the most important part of operation. Survitec will handle operators safety needs with minimal disruption, allowing them to focus on day-to-day business activities. To achieve this, we have put many provisions in place, available to all SOLAS 360 customers.



CUSTOMER PORTAL:

Our online customer portal provides immediate access to each vessel's SOLAS compliancy status and safety certificates.



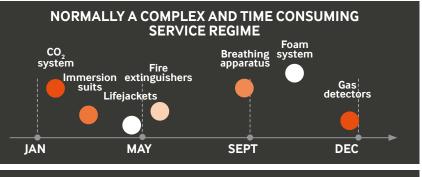
DUE DATE MANAGEMENT:

Survitec monitors your safety equipment due dates, notifies you 30/60/90-days prior to the next deadline and proactively supports our customers booking their next service-call.



HARMONISED DUE DATES:

Harmonised due dates achieved through proactive planning and resulting in fewer vessel visits.



AS ONE COMPLETE SAFETY PROVIDER, SURVITEC OFFERS PROACTIVE SERVICE PLANNING AND HARMONIZES DUE DATES



DEDICATED TECHNICAL SUPPORT:

X

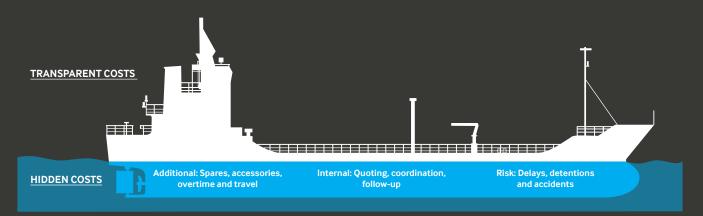
Survitec offers a team of technical experts, individually specialising in each product range, to assist with technical and compliance support, best suited to your needs.

FIXED, PREDICTABLE PRICING MODELS

HOW DO WE DO THIS AND WHICH COSTS ARE WE LOOKING AT?

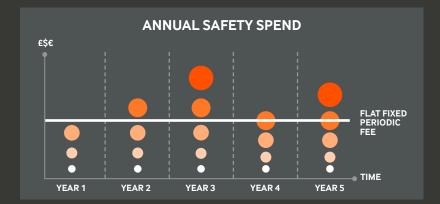
Predictable Costs:

Comparing the cost of a lifeboat inspection of two suppliers in a given port is easy. But what about travel charges, spares, accessories or the cost of coordinating and following up the inspection? Not to mention the cost should a lifeboat fail to perform in the case of an emergency.



SURVITEC AIMS AT SIMPLIFYING SAFETY PROCUREMENT FOR OUR CUSTOMERS AND PROVIDE FIXED, PREDICTABLE PRICING.

- All safety service inspections, mandatory spares, travel, overtime and liferaft exchanges for a five-year interval are calculated and averaged out to a fixed annualized price.
- By monitoring due dates and pro actively scheduling service jobs, Survitec helps reduce the need for costly, unplanned, last minute service jobs.
- In addition, fixed prices on other spares, service-jobs and replacement products are provided to make sure that is easy, quick and predictable for customers to make sure their ships are kept safe and compliant in a cost effective manner.



Internal Cost Savings: As a SOLAS 360 customer you can benefit from many advantages and systems that we have setup to help manage your safety more efficiently, in turn resulting in saving you time and money that can be utilised elsewhere within your business. Additionally, our complete safety management structure gives you the opportunity to remove all internal safety management spend if desired.



DEDICATED GLOBAL SUPPORT

SOLAS 360 enables handling of all marine safety needs through one dedicated team.

We understand that not only the safety equipment supplied and serviced is important to operators, but also the service received, to fulfil operators safety needs. Our dedicated global support structure allows customers to contact one dedicated team located close to the vessels operation, dealing in the desired currency, language and with one bank account for Survitec's complete range of offers and network globally. Having one team, one set of operating procedures and one system for support further helps to eliminate risk of error.

> SOLAS 360 OFFERS ONE TOTAL SOLUTION TO COVER ALL YOUR SAFETY NEEDS.

JUST SOME OF THE WAYS THIS IS ACHIEVED INCLUDE:

- OVERALL REDUCING OF OPERATIONAL BURDEN
- LESS COORDINATION
- ONE POINT OF CONTACT
- CONSOLIDATED REQUEST, QUOTE AND INVOICE PROCESS
- ✓ COMPLIANCE ADVICE & GUIDANCE
- PREDICTABILITY AND CONTINUITY OF SUPPLY
- 24/7 SUPPORT ACHIEVED THROUGH OUR GLOBAL CUSTOMER SERVICES TEAM

Through our complete safety management programme, you may also be able to benefit from having dedicated resource assigned to your account to support you with your enquiries and follow up your individual vessel needs.

Survitec

GET IN TOUCH

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