



Over the past 40 years Survitec has gained an intimate level knowledge of the offshore operating environment. We have a detailed understanding of the safety and survival protocols required, industry accreditation and compliance, human factors such as comfort and thermal burden and survival in extreme environments. This also extends to maintenance demands and the logistical requirements of moving large numbers of people and assets globally.

Leveraging over 150 years total experience in the design, engineering, manufacturing, testing and qualification of survival equipment, Survitec has developed a range of immersion suits for those working daily in the most unpredictable and hazardous environments. We have worked closely with the world's largest helicopter operators to ensure the latest sizing information and feedback from offshore workers has been applied to develop a range of practical suits built to fit today's offshore work population.

Each fully accredited solution has been tailored for a number of unique applications including passenger transit, front and rear aircrew, search & rescue, winchman, wind energy, maritime operations and training. The quality and thought behind each suit, and the service that accompanies it is what truly sets Survitec apart. Combining this with the world's largest servicing and support network, Survitec are the only company able to offer complete through-life management and the very best care on a global basis. Our suits are available in a number of flexible contracting options, including purchase and our comprehensive rental service. Operators can rent assets from Survitec, delegating their complete duty of care with complete confidence. This includes the provision, handling, storage, tracking, inspection, preventive and scheduled maintenance of our survival suits.

# Over 4 years' experience and expertise

Over 150 flights per day



To over 500 offshore locations

1.5M asset movements annually



35000 suits used monthly

24hour support across
the globe



contactor logistic support sites around the globe

50 wholly owned service stations



600+
3rd party service stations

Ensuring the safety of over

1.6M

people every year

# COMMERCIAL SURVIVAL RANGE

#### **SURVIVAL SUITS**



1000 Series Gen 2 Suit (Tri Approved)



1000 Series Passenger Suit



1000 Series Coastguard Passenger Suit



Arctic Suit



1000 Series Front Aircrew Suit



1000 Series Rear SAR Winchman Suit

#### **AVIATION IMMERSION SUITS**



Aircrew Coverall



1000 Series Gen 2 Suit (Dual Approved)



1000 Series Gen 2 Suit Split Neck



Passenger Training Suit



Over the Side (OTS) Mid Layer Suit



Rescue Swimmer Immersion Suit

#### AVIATION LIFEJACKETS



MK50 Passenger Lifejacket



MK51 Aircrew Lifejacket



Shark LAP Lifejacket



Halo Passenger/ Aircrew Lifejacket

## MARINE LIFEJACKETS



MK28 Passenger Lifejacket



MK44 Aircrew Lifejacket



3D Seacrewsader Rope Access Lifejacket



3D Seacrewsader Lifejacket





The Survitec range of immersion suits possess an incredible pedigree in the both the commercial and military domain. Our transit use, constant wear and quick don abandonment suits have been in service from the early 70s across the North Sea, Caspian Sea and American, Canadian and Australasian offshore territories. Survitec has worked hard to continually develop this technology and in 2006 with the introduction of additional European Aviation Safety Agency (EASA) regulations, Survitec commenced development on a new generation of survival suit. The result was the 1000 series range. Utilising the latest in anthropometric research and technical textiles, the 1000 series set a new standard in materials integrity, thermal performance, sizing methodology, donning and consistent performance.

Using NASA deployed technology, the 1000 series introduced breathable state of the art material to dissipate moisture vapour and regulate user temperature and hydrophobic lofted insulation and antibacterial micro-fiber to optimise comfort and thermal capability. The new extensive size range achieved (from 150cm to 220cm) ensured an ergonomic, well-fitting garment that enhanced survivability, minimised positive buoyancy to aid underwater egress and optimised mobility for escape and survival manoeuvres. The 1000 series initiative has continued to evolve and now accommodates a large range of operator roles from passenger to crew and emergency services personnel, and with the introduction of the game changing 1000 series Tri-approved GEN 2 passenger suit.





## 1000 SERIES GEN 2 IMMERSION SUIT (TRI APPROVED)

## Designed for passenger transfer by helicopters, crew transfer vessels as well as marine constant wear

The new 1000 Series Tri Approved GEN 2 suit is approved to ETSO/MED and CE-PPE standard, making it capable of supporting aviation transit, constant wear work and marine transit from a single suit. Designed to exceed the latest European aviation and marine standards, the 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. Enhanced protection is afforded through durable watertight seals at the neck and wrists, and from the re-enforced Sofishield implemented into the knee, seat and elbow areas. The thermal lining uses state-of-the-art Outlast® Phase Change Materials (PCM) technology to improve thermal comfort and reduce thermal stress.

- Reinforced seat, knee and elbow protection for improved throughlife capability
- Grab handle to aid raft scramble in the event of an emergency
- New stronger metal zip affords wear higher level of protection
- Integrated air expulsion valves to significantly reduce thermal burden
- Intelligent Pazifik fabric for added durability
- Optional Smart Layer Thermal Heat Management undergarment for Air-ops
- Can double up as an offshore abandonment suit with hermetically sealed foil pouch offering 5 year recertification life
- Rental or Purchase options available



Worn with the Mk50 Passenger Lifejacket



Worn with the new Halo Passenger Lifejacket





## THE 1000 SERIES PASSENGER SUIT

#### Designed for helicopter passengers

Manufactured utilising the most technologically advanced fabric and components available, the outer shell of the 1000 Series Passenger Suit is waterproof, breathable and inherently flame retardant. The thermal lining uses state-of-the-art Outlast® Phase Change Materials (PCM) technology to improve thermal comfort and reduce thermal stress. It offers anti-static properties as well as improved comfort and protection.

- European Aviation Safety Agency (EASA) approved
- Insulating hood and neoprene gloves stored in leg and arm pockets
- Enhanced thermal insulation using the latest nano-textile space technology
- New seals with superior performance, delivering greater flexibility and comfort over long wear periods
- Latest waterproof zip technology provides a lightweight, flexible and durable solution
- Unisex in design, accommodates a height range of 150cm to 220cm
- Rental or purchase option available
- Available with a metal zip variant in a sealed foil bag with 5 year service life for offshore abandonment use



Worn with the Mk50 Passenger Lifejacket



Worn with the new Halo Passenger Lifejacket





## THE 1000 SERIES COASTGUARD PASSENGER SUIT

#### Designed for emergency services personnel in transit

The 1000 Series Coastguard Suit has been designed specifically for passenger transportation of emergency services personnel. Manufactured from a waterproof, flame retardant, anti-static and durable fabric, the new suit possess a number of comfort and safety critical features. This includes hyper stretch neoprene seals, storm collar/neck/cuff/ankle and epaulet covers, extreme cold proof metal and neoprene zip, Sofi-shield knee, seat and elbow reinforcements and internal braces for ease of donning.

- Designed in partnership with emergency services agencies in Canada
- Flame retardant, anti static, durable fabric
- Waterproof/breathable material
- Hyper stretch neoprene seals
- Metal/neoprene zip designed to meet the extremely cold temperatures
- Sofi-shield knee, seat and elbow reinforcements. Mesh for drainage and ventilation
- Introduction of optional internal braces to improve wearer comfort and further support the use of standard sizes
- Free made to measure service available
- Various zip configurations
- Now available with up to 12 months servicing requirements



Worn with the MK50 Passenger lifejacket



Worn with the new Halo Passenger Lifejacket





#### **ARCTIC SUIT**

## Designed for passengers in transit to extreme cold climates

The Arctic Suit was developed for the safe transportation of offshore personnel flying over water in extremely cold climates. It is manufactured from a durable Gore pacific tri-laminate, MVP material and features a fully integrated emergency breathing system (EBS). The thermal layering construction offers best in class protection and comfort. Premium technical textiles have been employed to optimise passive thermal insulation and thermal comfort to ensure maximum survivability in the event of an emergency ditching into freezing cold waters.

- Transport Canada Type approved
- Optimised for extreme cold water temperatures
- 4 layer thermal management solution
- 3D knit spacer protects against hydrostatic compression and maintains an insulating air gap
- Single chamber inflatable buoyancy with innovative integral inflatable hood and spray shield
- Ankles and shoulders release valves to vent residual to aid in an inverted helicopter escape scenario
- Fully enclosed EBS stowage designed to minimise potential snagging hazard and protect EBS and associated hoses
- Stowage enables instant access to EBS mouthpiece assembly, using only one hand



Fully Integrated lifepreserver and EBS unit





## 1000 SERIES FRONT AIRCREW SUIT

#### Designed for front helicopter aircrew

Using technology developed for the NASA space programme, aircrew will benefit from enhanced insulation that regulates the microclimate inside the suit to improve comfort and reduce thermal stress. Hygiene is improved by the use of antimicrobial nano-technology in the thermal liner. The water tight seals at the neck and wrists are stronger, more flexible and less prone to damage making them safer and more effective. New waterproof zipper technology is used to seal the suit ensuring maximum protection.

- European Aviation Safety Agency (EASA) approved
- Improved standard sizing customer feedback has been implemented to produce an improved standard size matrix
- Introduction of optional internal braces to improve wearer comfort
- Inherently flame retardant material provides optimum fire protection
- Lower leg pocket has been moved to a central position to support compatibility across all aircraft types
- Available with either hook and loop fastener attached Short Length Liner or separate Thermal Insulated Garment (TIG)
- Free made to measure service available
- Available for Rental or Purchase
- Now available with up to 12 months servicing requirements
- Available as a 2 suit rental for the price of 1. Allows Aircrew to continue flying whilst 2nd suit is returned for annual servicing



Worn with the Mk51 Aircrew Lifejacket



Worn with the new Halo Crew Lifejacket





#### 1000 SERIES REAR SAR WINCHMAN SUIT

#### Designed for helicopter SAR Winchman

The 1000 Series SAR Winchman works to protect the SAR Winchman in the most unpredictable environments. Manufactured utilising robust and durable fabric, the outer shell of the suit is waterproof, breathable and inherently flame retardant. The thermal lining uses state of the art Outlast® Phase Change Materials (PCM) technology, to improve thermal comfort and reduce thermal stress.

#### **KEY FEATURES**

- Optimised design ensures maximum protection with added flexibility and mobility
- Compatible with all major aircraft platforms
- European Aviation Safety Agency (EASA) approved
- Waterproof and breathable to improve aircrew cockpit comfort
- Available with either hook and loop fastener attached Short Length Liner or separate

Thermal Insulated Garment (TIG)

- Free made to measure service available
- Available for Rental or Purchase
- Now available with up to 12 months servicing requirements
- Available as a 2 suit rental for the price of 1. Allows Aircrew to continue flying whilst 2nd suit is returned for annual servicing



Worn with the Mk51 Aircrew Lifejacket



Worn with the new Halo Crew Lifejacket





#### **AIRCREW COVERALL**

#### Designed for aircrew operating in warmer climates

Our range of Aircrew Coveralls are a manufactured from inherently flame retardant fabric. They are available in multiple colours, including sage, high visibility orange, fireblue or sand. Our coveralls are designed to be worn in warm climates and are available in a large range of sizes, developed to accommodate the target aircrew population. Our Aircrew Coveralls feature a broad selection of pockets, designed to meet the equipment needs of aircrew personnel.

- Manufactured from flame retardant fabric
- Front-opening, flame retardant zip, 2 way fastening
- Lower leg fasteners, allows suit to be donned/doffed without removing footwear
- Adjustable waist tabs to improve fit
- Multiple pockets include thigh pockets, breast pockets with zip fasteners, pencil pocket – three compartments on left sleeve, side pockets and lower leg pockets
- Epaulettes with touch and close fastener
- Integrated 'D' ring loop for the attachment of additional equipment
- Streamline design to prevent snagging
- Manufactured in 20 standard sizes



Worn with the Mk51 Aircrew Lifejacket



Worn with the new Halo Crew Lifejacket





## 1000 SERIES GEN 2 SUIT (DUAL APPROVED)

#### Designed for marine transfer and constant wear work

Approved to MED and CE-PPE standard, the 1000 Series Gen 2 (Dual Approved) suit ensures its wearer is able to transfer to their destination via marine transit and carry out work on arrival with a constant wear solution. Manufactured using Goretex Pazifik fabric, the outer shell of the suit is waterproof, breathable and flame retardant delivering enhanced survivability, flexibility and comfort over long wear periods. Enhanced protection is afforded through durable watertight seals at the neck and wrists, and from the re-enforced Sofishield implemented into the knee, seat and elbow areas.

- Reinforced seat, knee and elbow protection for improved through-life capability
- Grab handle to aid raft scramble in the event of an emergency
- New stronger metal zip affords wear higher level of protection
- Integrated air expulsion valves to significantly reduce thermal burden
- Intelligent Pazifik fabric for added durability
- Available with separate Thermal Insulation Garment
- Integrated steel toe boot option for Coastguard/Lifeboat/SAR/MOB
- Can double up as an offshore abandonment suit with hermetically sealed foil pouch offering 5 year recertification life
- Rental or Purchase options available



Worn with the 3D Seacrewsader Rope Access Lifejacket



Worn with the new Halo Passenger Lifejacket





#### 1000 SERIES GEN 2 SUIT (DUAL APPROVED) - OPEN NECK SEAL VARIANT

#### Designed for marine transfer and constant wear work

In response to market feedback, Survitec has developed an Open Neck Seal Variant to satisfy the offshore constant wear immersion suit wearers. Based on the 1000 series Gen 2 Dual approved suit, the Open Neck Seal suit improves donning and enables its wearer to unzip the seal for added mobility and comfort when necessary. The Open Neck Seal suit will be qualified to EU-PPE (CE-mark) & EU-MED.

- Reinforced seat, knee and elbow protection for improved through-life durability
- Grab handle to aid raft scramble in the event of emergency
- New stronger metal zip affords wear higher level of protection
- Integrated air expulsion valves
- Intelligent Pazifik fabric to increase breathability
- Available with separate thermal insulation garment
- Integrated steel toe boot option for coastguard/lifeboat/SAR/MOB
- Can double up as an offshore abandonment suit with sealed foil pouch offering 5 year recertification life
- Rental and purchase options available



Worn with the 3D Seacrewsader Rope Access Lifejacket



Worn with the new Halo Passenger Lifejacket





## OVER THE SIDE (OTS) MID LAYER SUIT

## Designed for over the side work on platforms, vessels and offshore wind turbines

The OTS is a new approach to immersion protection and takes the form of a water-proof undergarment, worn close to the skin and under normal work wear. Designed for constant wear, the OTS is both practical and comfortable when worn over long periods. The fabric comprises an internal fleece layer providing thermal properties. The PTFE membrane provides waterproof, breathable protection, with a protective knit to the front. In addition, new zip, wrist, and neck seals have been incorporated, all of which maximise comfort without compromising water integrity.

- Provides excellent protection against immersion hypothermia, significantly extending survival times
- Allows for high levels of physical activity without compromising work performance
- Suitable for working close to water
- Constructed from Gore-Tex trilaminate fabric, which increases thermal protection
- SOLAS approved
- CE & PPE Qualification to ISO 15027:2012
- Approved for water entry 1 hour @ 5oc or 2 hours @ 10oc
- Corkscrew zip design strategically removes interference with lifejacket and harnesses worn on top. Cross body zip configuration also available
- Available with Latex or Neoprene Seals



Subtle and unobtrusive layer worn under PPE



Worn with the Crewsaver 3D Seacrewsader lifejacket





#### **PASSENGER TRAINING SUIT**

#### Designed for offshore training operators

The Training suit has been developed to afford the wearer the same unique benefits of our in-service range. Manufactured with breathable fabric, the training suit incorporates a number of practical features tailored for the training environment and the training provider. This includes reinforcements to key areas such as the lifting beckets to support repeated training drills, and easy to adjust suit components, enabling the training provider to change onsite when necessary. With our unique Si-Tech silicone seals version, our global training provider network can quickly replace seals at their own facility in a matter of minutes.

- Replicates 1000 series operational passenger suits found globally
- Available in two fabrics: Breathable Tri-laminate Marine Grade Fabric or Non-breathable PU Coated Nylon
- Reduced weight and fully waterproof
- YKK Aquaseal Plastic Zip
- 1000 series Hyperstretch Neoprene Seals
- Simplified Sizing XS, S, M, L, XL, 2XL, 3XL



Worn with the LAP Lifejacket



Worn with the Premier 2010 buoyancy aid



Worn with the 3D Seacrewsader Lifejacket



Worn with the Mk50 Passenger Training Lifejacket





## RESCUE SWIMMER IMMERSION SUIT

#### Designed for emergency rescue swimmers

The Rescue Swimmer suit was designed in collaboration directly with our emergency services customers who perform sea and river rescue in cold water climates. The Rescue Swimmer suit uses the very latest in technical textile technology to provide the wearer with a number of benefits including waterproof design, breathable and inherently flame retardant fabric and durable and robust material. Chequered reflective tape is used for easy identification to civilians. Various pocket configurations are available for multi wearer requirements.

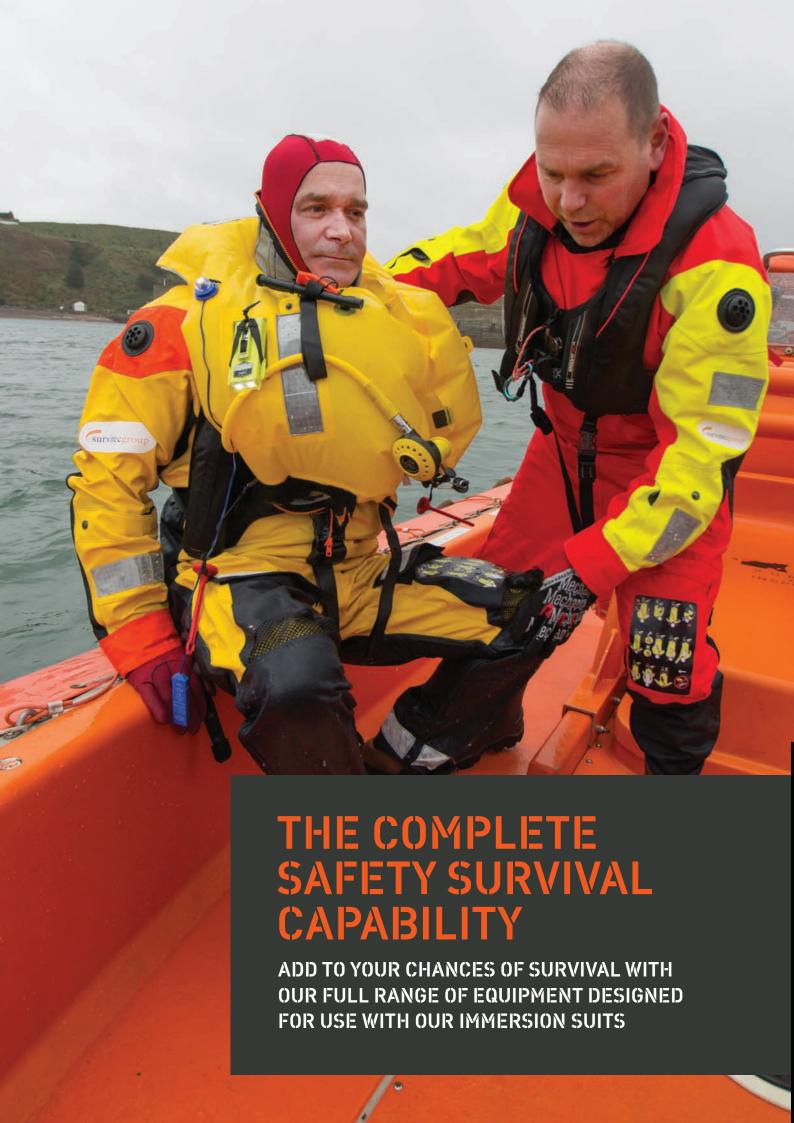
- Designed specifically to accommodate the operational needs of first responder teams
- Reinforcements on critical areas including knee, seat and elbow for added durability
- Multiple pocket configurations available for essential equipment, including integral radio pocket
- Waterproof plastic zip for improved protection and seal integrity
- Internal braces to aid with the donning and doffing of suit
- Rescue badge on the reverse to identify user as emergency services personnel
- Inherently flame retardant material providing optimum protection against fire



Worn with the Mk44 Crew Lifejacket







# LIFEJACKETS

#### HALO PASSENGER/ AIRCREW LIFEJACKET



- Designed for passenger, pilots, rear aircrew and SAR teams
- Accomodates aviation, wind energy and marine applications from a single jacket
- Fully integrated EBS with reinforced protection of the 1st and 2nd stage.
- Reduced bulk and modular design for optimum fit & mobility
- Accessory windows for easy checks on strobes and PLBs
- Left and Right options for EBS and equipment pockets
- Single and Twin Chambers available

#### MK50 PASSENGER LIFEJACKET



- Durable and lightweight
- Twin inflatable chamber 275N buoyancy
- Integral light, whistle, PLB AU9-HT, AU10-HT/ Rhotheta RT -B77, Ocean Signal M100
- One size fits all
- Fully integrated for passenger short term air supply systems (PSTASS)
- Approvals pending: Transport Canada
- Compact integral sprayhood
- Approvals: CAA, EASA, ETSO, FAA (Reciprocal)

## INTRODUCING THE NEW HALO LIFEJACKET

A UNIQUE HYBRID SOLUTION CAPABLE OF ACCOMMODATING PASSENGERS AND CREW FOR AVIATION AND MARITIME OPERATIONS

**COMING 2018** 



#### SHARK LAP LIFEJACKET

#### **MK28 PASSENGER LIFEJACKET**



- Nominal capacity of 275 Newtons
- Manually operated aviation lifejacket
- Fitted with lifting becket, whistle, buddy line and splash guard
- Integral Air Pocket Plus EBS which automatically activates on immersion
- Available with optional manually operated strobe light
- Cover allows for retrofit of an integrated, approved PLB solution
- Available in training variant 96203(B). Colour blue for distinction between operational unit



- Compact, unobtrusive design, with ultra-slim stole pouch
- High visibility reflective tape throughout jacket
- Integral spray hood
- Features buddy line, whistle & oral top up tube
- Automatic battery/light assembly
- Fully adjustable webbing waistbelt/backstrap
- Optional crotch strap
- 170 Newton minimum
- Available in training variant

#### **MK51 AIRCREW LIFEJACKET**

## MK44 AIRCREW LIFEJACKET



- Improved fitting with extra neck clearance and wider under arm netting
- Single or twin inflatable chamber 275N buoyancy
- Integral light, whistle, PLB variety of Aircrew PLB types approved
- Available in 3 sizes
- Features fully integrated emergency breathing system (EBS)
- Approvals pending: Transport Canada
- Compact integral sprayhood
- Approvals: CAA, EASA, ETSO, FAA (Reciprocal)



- Compact, unobtrusive design, with ultra-slim stole pouch
- Available in a single or double chamber
- Fitted with CO2 cylinder and oral tube assembly
- Optional STASS pocket
- Lifeline and snap hook
- Mesh back to reduce heat discomfort and fatigue
- Fully adjustable waistcoat
- Flotation covers offers excellent self righting and floatation characteristics

#### 3D SEACREWSADER ROPE ACCESS 3D SEACREWSADER



- Red crotch straps to ensure visibility with an additional protective cover to prevent twisting and snagging
- Removable back strap for attaching fall arrest harness
- Foam padded cover for added impact protection
- Easy to replace cover system
- Spare covers can be purchased separately including fire retardant, heavy duty and wipe clean options
- Soft pull tabs helping to prevent snagging and accidental inflation
- Twin chamber 275N
- YKK QBZ Tri-burst zip



- Easy to replace cover system
- Waterproof service labels
- Can be used with a PLB & 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



THE SURVITEC RECHARGE **SYSTEM + COMPRESSORS** 

**SUPPLIED FOR THE RECHARGE OF CATEGORY** A EBS SYSTEMS AVAILABLE WITH OUR HALO, MK50 & **MK51 LIFEJACKETS** 

# **SURVIVAL AIDS**

The following survival aids are compatible with our aircrew and passenger lifejackets and immersion suits.

#### **PYROTECHNICS**

Trusted by the world's offshore operators, Pains Wessex advanced pyrotechnic distress signals offer quality, technological superiority and innovative designs combined with worldwide SOLAS approvals, including MED and USCG whilst manufacturing to ISO 9001 standard.

#### **ROCKETS AND FLARES**

- Red hand flare
- White collision hand flare
- Day/night signal
- Para red rocket





#### PERSONAL LOCATOR BEACONS (PLBS)

Our range of personal locator beacons (PLBs) use advanced technology, tracking precise GPS locations to the global network of search and rescue satellites and are internationally approved.



SARBE Crew



GME Accusat Crew



ACR Crew



Techtest Crew



MRT AU10-HT Crew/Passenger



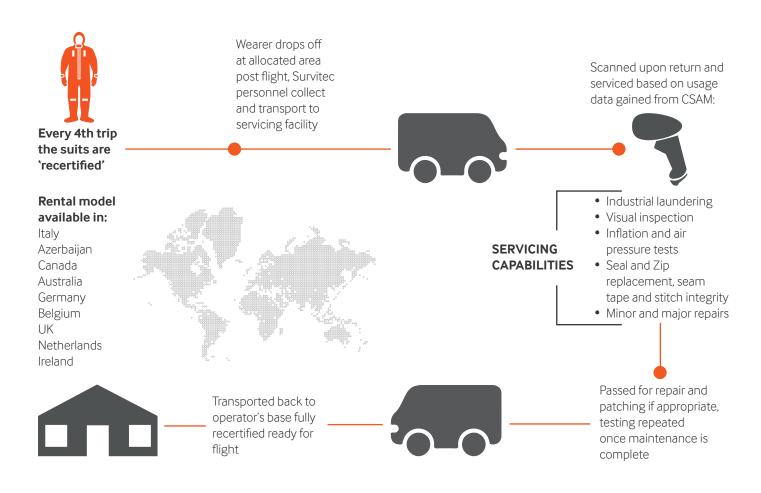
Ocean Signal M100 Crew/Passenger

# SERVICING & THROUGH-LIFE SUPPORT

#### **ACCEPT ONLY THE VERY BEST**

Survitec offer a complete service package to both our rental and purchase customers. For our passenger rental fleet in the United Kingdom, we carry out regular servicing and maintenance to ensure that our customers have reliable and fully compliant products. Our rental fleet suits are subject to an integrity test and wash post every 4th offshore trip. This ensures a more hygienic service for the end user and ultimately a user safety guarantee courtesy of the design authority.

## PASSENGER RENTAL MODEL



#### **OUR RENTAL FLEET CAPACITY PROVIDES ZERO DOWNTIME IMPACT**

#### **7 DAYS OWNED TURNAROUND**







# ASSET MANAGEMENT

#### TRACK YOUR SUIT, ANYWHERE ON THE GLOBE

Survitec provides a comprehensive asset management system utilising our patented CSAM software. Working in unison with each suit's unique ID number, this customised system grants its users complete visibility of their assets globally. CSAM logs critical data such as equipment movements and scheduled maintenance, enabling staff to effectively manage the rigorous schedule of the offshore industry.

Our through-life management service includes customer-owned inventory as well as our own equipment. For portable equipment requiring regular service we offer a modular logistics solution. For fixed equipment onshore or offshore we have a team of qualified and experienced engineers who are able to carry out a range of inspection programmes. Our flexible inventory management service utilises both our own network of storage locations or existing client locations when required. A complete reporting facility is provided at regular intervals including important information such as certification status and asset usage.

# COMPLETE VISIBILITY OF YOUR ASSETS, ANYWHERE IN THE WORLD

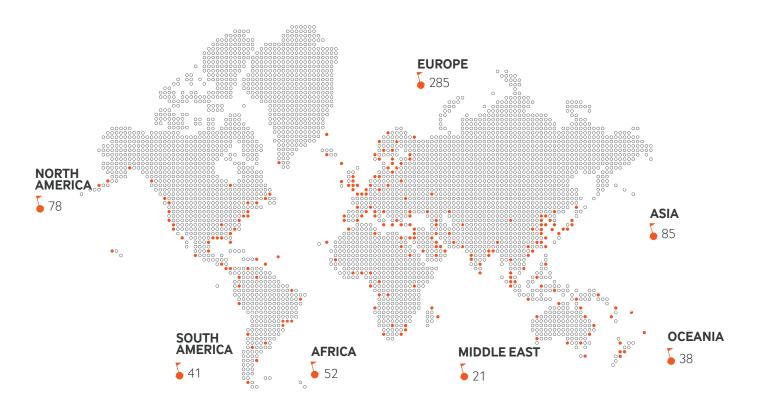


- Asset numbers
- Asset locations
- Detailed wearer information
- Manufacturing history
- Servicing history

- Servicing schedule
- Operator company
- Platform destination
- Certification status
- Country deployed

# THE WORLD'S LARGEST SAFETY SURVIVAL FOOTPRINT

YOUR EQUIPMENT, SERVICED ANYWHERE IN THE WORLD.



World class manufacturing sites

3000 Survitec employees

Wholly owned service stations

500 3rd party service stations 3500 Qualified service technicians

