



www.survitecgroup.com

SURVITEC: BETTER BY DESIGN

**BESPOKE PRODUCT
DESIGN AND
PRODUCTION
SERVICE**

SUPPORTING CUSTOMERS WITH TECHNOLOGY BASED SOLUTIONS

- Advanced research and design capabilities
- Global operation
- Niche product development; from concept to production.

SURVITEC IS THE WORLD LEADING PROVIDER OF BESPOKE INFLATABLE PRODUCTS, OVERBRAIDING AND FABRIC ENGINEERING.

DEVELOPMENT FACILITIES AND EXPERIENCE

Survitec is the world leading provider of bespoke Inflatable Structures, Overbraiding and Fabric Engineering. Our know-how extends throughout our fifteen distribution centres and across all seven of our group manufacturing sites. Leveraging an extensive depth of expertise, we offer a technical approach proven to reduce risk and investment, through successful delivery of solutions to many military and civil programs. Our in-house laboratories and test facilities provide the capability to rapidly prototype design solutions. We continually evolve our operating practices to ensure we are primed to supply our customers with a fluid product development process while influencing the broader industry approach. We have proven that our manufacturing capabilities coupled with our wide-ranging knowledge base and technical advancement results in a company which can harness the most complex innovative thinking and turn it into a viable, commercial product.

Our facilities include:

- Stratospheric chambers
- Thermal chambers
- Environmental test chambers
- Rapid and explosive decompression chambers
- Low pressure pneumatics laboratory
- Simulated breathing facility with instrumentation
- Centrifuge rated up to 25g
- Dynamic test rigs – up to 60g
- Materials testing facilities laboratory

Our developments are led by the desire to reduce cost and mass whilst increasing reliability and introducing new capability.



BESPOKE INFLATABLE PRODUCTS

Solving Problems. Creating concepts. Driving Innovation.

As the world's largest supplier of Inflatable Liferaft Systems and Air Beam Shelters, Survitec has extensive experience of developing inflatable structures for niche applications. Using the latest technology and engineering practices to develop an impressive portfolio of custom-built products, we remain at the forefront of an evolving industry. Our management and production process are specifically designed to allow our teams the freedom to prototype any concept presented to us. We pride ourselves on our adaptability and are confident that our scope for bringing new and innovative inflatable products to market remains unmatched.

• Inflatable Tubing

Survitec have been providing safety and recreational equipment to the industry for more than 25 years. In this time they have built a vast knowledge of in-house experience and expertise which we leverage for all of our customers. We currently supply all major European and American theme parks including; Disney Parks, Seaworld, Busche Gardens, Europa Park, Hansa Park Hyde Park and Asterix Park to name but a few. Our two most sought after products are:

- Tubing and collars for theme park rides
- Two man boats for use on waterslides



• Fast Inflation Tent (FIT)

Capable of extensive customisation in design, shape, colour and accessories, this product offers extensive adaptability making it suitable for a variety of end users. Lightweight with small stowing dimensions the Survitec Fast Inflation Tent is the ideal solution for emergency situations. Used in the past as field hospitals in the short term, military headquarters and refugee accommodation the Survitec Fast Inflation Tent is a truly adaptable product which cannot be matched in today's competitive market.

STEP 1



STEP 2



STEP 3



Innovative, custom built, cost effective solutions are the foundations of our business.



• **Jumping Cushions**

Developed by Survitec in 1986 our Jumping Cushions replaced the old and ineffective Jumping Sheets. Our patented design inflates in 30 seconds making it ideal for emergency situations and with an improved lifetime of 15 years guaranteed our customers can be confident in our products consistent service. To date over 5,500 units have been sold with a variety of end users including the Berlin Fire Brigade who operate approximately 170 Survitec Jumping Cushions. Four sizes are available which meet approved rescue heights of 16m, 23m, 30m and 40m.



• **Lifting cushions**

Survitec manufacture Lifting Cushion for vehicles, tanks and aeroplanes, with a lifting capacity ranging from 220llbs to 132,000llbs.



• **Decontamination Units**

Survitec has the capability to design and manufacture high-grade Decontamination Units to suit every requirement. Our innovative concept incorporates a fast inner over pressure air system which allows no polluted air to escape into the unit. Recently bought by the Swiss military, the product can be retracted quickly and be reused immediately if required.

STEP 1



STEP 2



STEP 3



Key clients include Lufthansa, Mercedes, Emirates and Disney.



• **Aircraft Evacuation Slides**

Designed for airline training centres the Survitec Aircraft Evacuation Slide is available in over twenty variations. Our advanced materials and design ensure that our product is one of the most durable on the market and will withstand repeated and prolonged usage. Used extensively by some of the biggest brands in the aviation industry including Lufthansa, Emirates, Ethiat, and the Austrian and Turkish airlines the Survitec Aircraft Evacuation Slide is the best and most trusted product of its kind.



• **Fender tubes**

Using our knowledge gained from designing and manufacturing a wide range of inflatable and semi rigid boats, Survitec have diversified and are currently designing foam and inflatable collars for RIBs (Rigid Inflatable Boats).



• **Car Crash Dummies**

Survitec have capitalised on their knowledge and expertise of inflatable products and designed a range of Crash Test Dummies aimed at the car manufacturing market. With seven different models available the Survitec Crash Test Dummies have been well received in the industry and are already in operation with some of the choicest brands in the automotive industry, including Mercedes, Porsche, Volkswagen, Opel, BMW and Fiat.

R&D CAPABILITIES

We can design and manufacture even the most progressive visions.

FABRIC ENGINEERING

Customer specific requirements are made possible by Survitec's technical approach to fabric engineering. Based on experience gained and lessons learned during the design, development, certification and supply of many bespoke products to various programs, Survitec can offer unrivalled experience during the development process. Exclusive supply chain partnerships with market leading materials developers offer an unmatched capability to integrate breakthrough technologies. As a prime contractor with the capability to design, develop and release to service integrated clothing assemblies or individual garments, Survitec have the ability to take a new generation fabric from concept through design, manufacture and integration and finally to market. Capabilities in this area include Pilot Flight Equipment, CBRN protective clothing, load carriage garments, parachutist oxygen systems, military stowage bags, aircraft thermal protective covers, thermal and CBRN protective shelter liners.



OVERBRAIDING

Survitec is a global leader in the application of Overbraided technology onto functional pressurised structures. In conjunction with military and government sponsors, Survitec has developed a flexible Hyperbaric Chamber (certified to ASME PVHO-1) and rapidly deployable fascines for vehicle gap crossing requirements and a flexible pumping sub-system for marine renewable energy applications. Other capabilities include control surfaces for unmanned vehicles and flexible actuators for a wide range of industrial applications. Our design experts are constantly exploring the very latest developments in materials, process technology and product design to meet and surpass the increasingly stringent demands of our customers and the international approval authorities in all product sectors.



OVERBRAIDING

SURVITEC GROUP THE GLOBAL BUSINESS

WITH OVER 90 YEARS EXPERIENCE AND EXPERTISE, WE ARE
THE WORLD'S PREMIER SURVIVAL TECHNOLOGY COMPANY,
PROTECTING YOUR INVESTMENT, EVERY
MINUTE OF EVERY MISSION...





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LM052 REV: 001

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