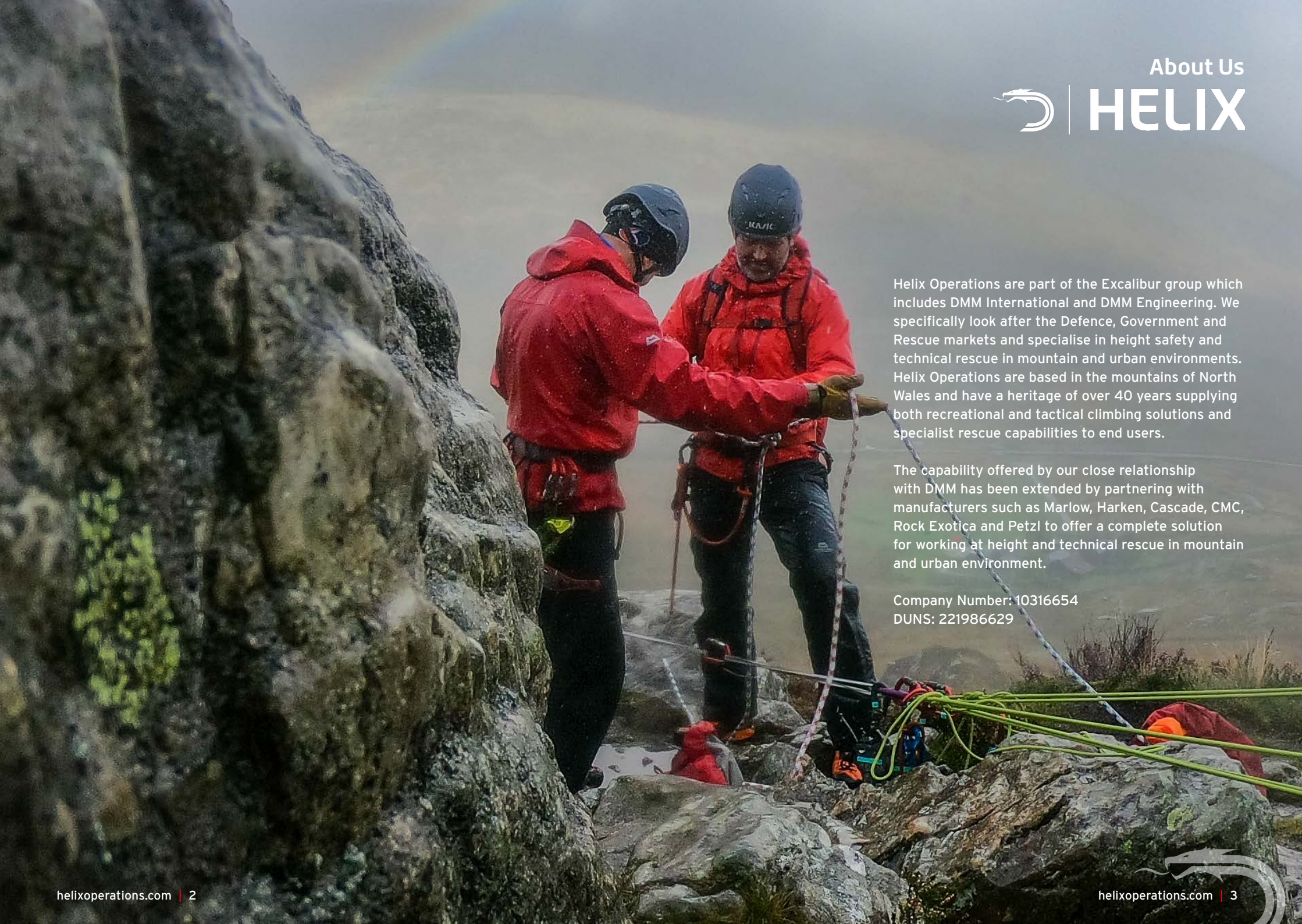




| HELIX





Helix Operations are part of the Excalibur group which includes DMM International and DMM Engineering. We specifically look after the Defence, Government and Rescue markets and specialise in height safety and technical rescue in mountain and urban environments. Helix Operations are based in the mountains of North Wales and have a heritage of over 40 years supplying both recreational and tactical climbing solutions and specialist rescue capabilities to end users.

The capability offered by our close relationship with DMM has been extended by partnering with manufacturers such as Marlow, Harken, Cascade, CMC, Rock Exotica and Petzl to offer a complete solution for working at height and technical rescue in mountain and urban environment.

Company Number: 10316654
DUNS: 221986629



To be the leading worldwide provider of comprehensive vertical access, rescue and mobility capabilities to the rescue operator in the mountain, urban and maritime environments.

To support vertical access operations for the rescue operator with a range of services including:

- Advice
- Equipment
- Training
- Servicing



Key Brands



DMM International specialise in the manufacture of equipment and systems for operating safely at height. They have proudly manufactured all their hardware in the United Kingdom since 1981 and over that time they have established a reputation for innovation and quality.

As part of the same group of companies Helix Operations rely heavily on DMM to design, prototype and manufacture much of the core product in our range.



Since 1962 Cascade Rescue have manufactured durable and reliable rescue gear. They have stayed committed to continuous product improvement and new initiatives, since it's success of the "Cascade Toboggan" of the 60's they now produce Cascade Rescue Stretchers and Litters supplied to 23 countries. Cascade Rescue is a Harken Industrial brand, based in the USA.



Priding themselves in remaining a stable family business, encouraging innovation to imagine the best solutions and insisting on industrial excellence Petzl has an impressive history of producing new tools for working at height since 1970 and have gone onto create many iconic products that are still the benchmark for performance today.



Designed and manufactured in the United Kingdom with a reputation for outstanding quality and a long history of providing specialist rope solutions to military and rescue units. Marlow Ropes have a proven record as a key manufacturer of quality ropes for access, rescue and specialist products for use in helicopter operations.



Boasting a vast portfolio of rope product they includes a well-respected range of safety and rescue ropes such as the KM III series. Constructed from a polyamide core and a polyester cover which reduces rope rotation, bouncing and stretch, it is highlighted in our range.



LIBERVIT have over 25 years in design and manufacture of hydraulic tools and manual equipment for the industry, the special forces and the rescuers.



Harken Industrial has more than 50 years of manufacturing experience, originally a sailing hardware manufacturer they soon branched out into working at height and rescue equipment. Harken are introducing innovative product to the market (Clutch - Ninja) with both increased performance and functionality. Manufacturing in both Italy and the USA.



Kask specialise in developing, designing and manufacture of safety helmets. Since 2004 Kask has strived to produce helmets which strike a balance between technological excellence, functionality, safety, and attractive design. All Kask helmets are made 100% made in Italy, passed through the most rigorous safety and quality tests of the KASK's distinctive CSD Project - ComfortSafetyDesign.



Innovative rescue equipment designed and made in their factory in the USA. The range includes products that complement the Helix range of hardware - the Aztec pulley system, the Omni pulleys and the Arizona Vortex are all unique products that we are proud to offer.



Med Sled products are manufactured and assembled in the USA. Built using the toughest plastic which is UV resistant, the stretchers they offer reduce heavy lifting by using the 'drag and roll' method. Their integrated harness system allows a very light weight stretcher to be utilised in horizontal and vertical hoisting operations.



TEXORA is a world-class designer and manufacturer of technical webbings, textile lifting slings and safety products including fall protection harnesses, safety belts, shock absorbers and lanyards. Fully certified to ISO 9001:2008 and Inspec UK approved.



Since 1993, LED Lenser have been specialists in producing excellent LED Torches. Making quality German engineered products, they set themselves the highest standards in terms of innovation in materials, technology, workmanship, design and sustainability.

Med Sled® VLR

The Med Sled® Vertical Lift Rescue stretcher offers a compact, lightweight and comprehensive rescue capability for remote and confined space environments.

The Med Sled® VLR can be dragged, lifted horizontally or lifted vertically. It can be used on land or in water.

In addition, it has been tested by both the US Military and Canadian Search and Rescue and has passed all their air worthiness standards / requirements for both land and water rescues.

The Med Sled® VLR system deploys quickly, is intuitive to use and has a minimal training burden - these features all help to ensure that extraction is as fast as possible and make it perfect for use in less than ideal situations; poor visibility, cold gloved hands, confined spaces or hot zones.



EVACUATION

Deploys quickly and has minimal training burden.

Lifting straps are built into the body of the stretcher.

Suitable for remote and confined space environments.

A compact, lightweight and comprehensive rescue stretcher.



Med Sled® VLR

The stretchers are constructed from High Density Polyethylene (HDPE) which provides rigidity for patient stability and lifting. This is particularly useful when carrying out horizontal and high angle lifts. The stretcher bodies are very resistant to tearing, cutting and punctures.

The VLR stretcher has lifting straps built into the body that allow vertical or horizontal lifting to be carried out immediately after the patient is strapped in. A crucial advantage of the MED Sled is that the lifting system does not rely on the integrity of the HDPE body for safety because the straps run completely around, over and under the stretcher body to create a fully inter-connected webbing harness constructed out of mil-spec webbing that locks together with 18kN Cobra buckles. The lifting slings are rated to 4000kg.

There are two sizes available - 36 inch and 28 inch. The 28 inch VLR offers the same attributes as the 36 but on a smaller 28 inch platform. It is easier to carry, lighter but there is less side protection.

Accessories include:

- Tag Line Kit with V-Strap
- Weak Links Pack of 10
- Flotation System*
- Flotation Actuator Indicator Pins



| Description | Construction | Width | Length | Depth | Weight (with hoist) | Sling Rating |
|------------------------------|---------------------------|-------|--------|-------|---------------------|--------------|
| Tactical Rescue Sled and Bag | High Density Polyethylene | 91cm | 254cm | - | 7.7kg | 4000kg |

Med Sled® VLR Patient Restraint Harness System

The Patient Restraint Harness System is an optional add-on for the Med Sled VLR stretchers.

It provides extra stability to the casualty during vertical lifts and in high winds. It also allows casualties with severe lower limb trauma to be secured with placing pressure on the injury.

The harness is built into the body of the stretcher and can be deployed immediately by pulling back the cover and releasing the straps using the fast release Cobra buckles - these are then pulled up around the crutch before being re-attached at shoulder level.

This gives class leading stability that can be used very quickly.



Med Sled® VLR Flotation System

Med Sled Instant Flotation is an advanced flotation system for water and above water rescues that comprises of two side floats and a chest float.

Easy to deploy, the floats are made of military grade 500 denier urethane coated fabric welded to create a bladder system based on the NON bladders developed for the USAF. They are compact and easy to carry in the VLR backpack or pre-rigged on the Med Sled.

The side floats are symmetrical and universal so can be used on either side of the stretcher making deployment faster and less error prone than with L-R systems.

Attaching to the perimeter tether, the Flotation System will help to keep the VLR system upright so that the occupants head will always be above water. Float logs come with handles for easy control in water.



Med Sled® VLR Tag Line

Guide the sled up a rock face or stop from spinning whilst under a helicopter with our Tagline kit.

Med Sled Vertical Lift Rescue Tagline kit comes with a 720kg, 90m floating line to attach to VLR Sled.

The kit also includes a weak link that can be used for helo lifts to allow the aircraft to pull away in an emergency. The weak links are rated at 90kg.

The total kit weighs less than 12 lbs/5.5kg.

- The use of tag lines is the safest way to prevent any litter from spinning.
- Two tag lines should always be used in training and non-hostile situations for the best litter control; however, the two sling design allows a double connection to the stretcher which gives good stability to be maintained even when just one tagline is available.



Med Sled® VLR Instructions for Loading and Dragging Operations.

- Unroll the Med Sled (If the sled begins to roll back up, curl up sides and press down or roll top half of sled backwards).
- Place sled next to patient - insuring head end of Sled is adjacent to patient's head.
- If installed properly, the Deploy Patient Restraint System for amputees, leg injuries, vertical lift and high winds. See instructions for VLR Patient Restraint System Sleds.
- Roll patient on their side away from you and slide sled under patient - then roll patient back onto sled and slide patient to middle of sled.
- Secure patient to sled by fastening all four cross straps. Tighten snugly. Ensure foot loop strap is tightened until sides meet foot pad - the strap should be above patient's feet from cross strap to foot pad.
- Head straps should be tightened until head pad is vertical - caution: over -tightening may cause discomfort by touching or rubbing patient's forehead.

The sled can be pulled from either end using the built in horizontal foot end pull strap or connecting the head and foot end horizontal straps to the head end locking delta ring.



Med Sled® VLR Instructions for preparing sled for Horizontal or Vertical Lift Rescue

Active vertical or horizontal lift should only be conducted by trained personnel in High Angle Operations. The instructions below are only to prepare the VLR for horizontal or vertical lift.

Vertical Lifting Instructions:

- The sled is ready for a vertical lift by connecting to the front delta locking maillon on the "head" end of the stretcher.

Horizontal Lifting Instructions:

- Remove head and foot hoist straps from bag and lay the straps on the ground or on a flat surface.
- Position sled on hoist straps making sure the head of the sled is over the strap marked "head" and the foot of the sled is over the foot hoist strap. Pull foot and head hoist straps through designated holes in the sled. Pull up and thread looped ends into the black carabiner.
- At this point trained personnel will take over the hoist operation.






Connect With Us





Keep updated with Helix operations across platforms such as helixoperations.com, Tactical and Rescue Instagram accounts as well as LinkedIn. We share exciting information regarding products we manufacture ourselves as well as key products from brands we work with.


Stay informed with key innovations across all product ranges in the tactical and rescue field as well as new courses.

Our website lists our entire range, including any certifications, technical specifications, and variations of products. You can also find information regarding courses and training, including our accreditation.

 helixoperations.com

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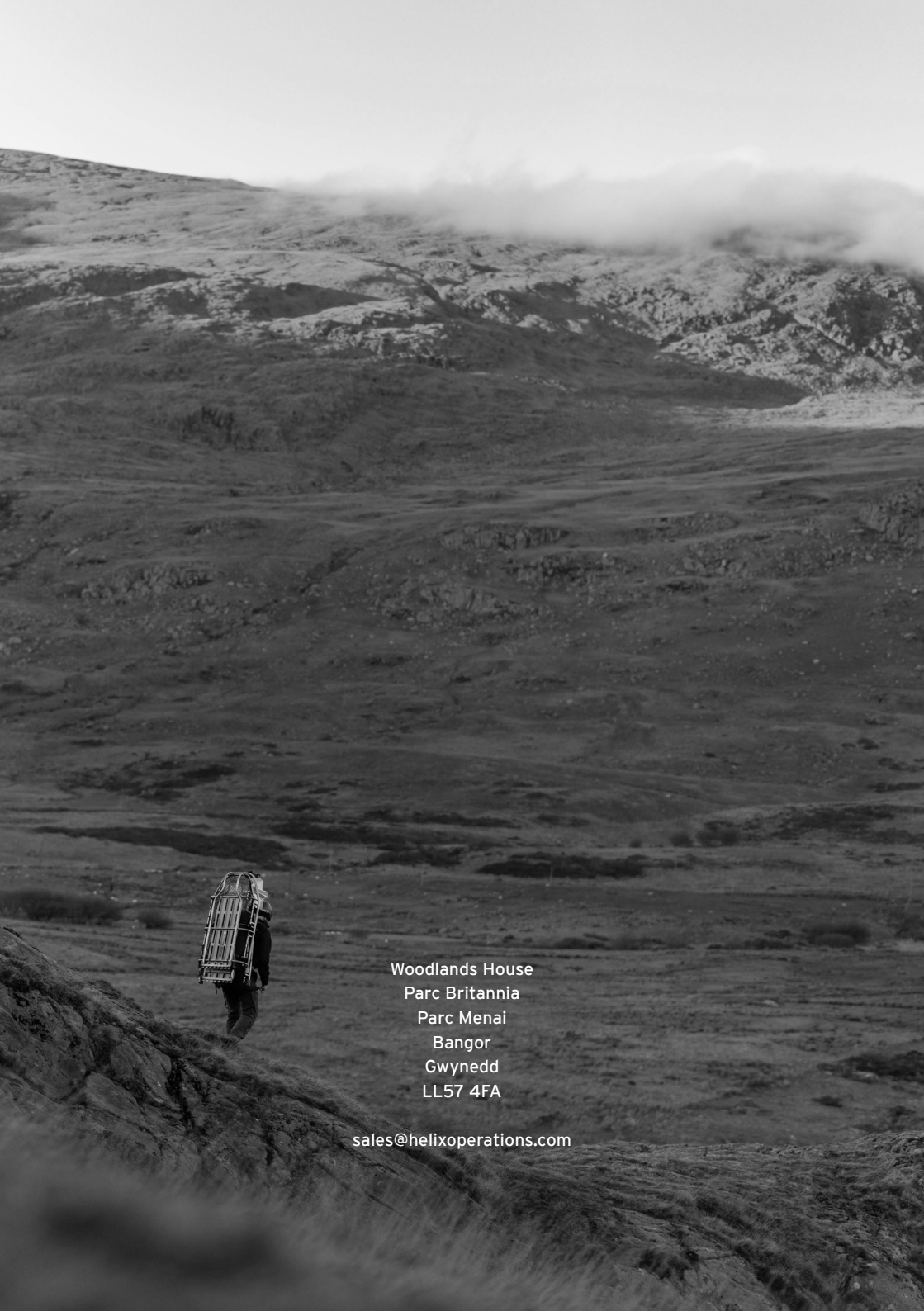


Helix Operations evolved out of DMM International when it became apparent that there was a need for a specialist company to support the government, tactical, and rescue markets.

DMM International has a global reputation as a leading manufacturer of superior height safety equipment and has supplied the UK and overseas military and government institutions with equipment since 1985. Growing demand for a broad range of complete, specialist systems where all components are selected and proven to work together led to Helix being founded on this broad wealth of expertise and experience. With a remit to bring together a portfolio of the best equipment, the resulting partnerships with companies such as REBS, CTOMS, and Atlas amongst others have allowed us to offer a complete capability for vertical access and rescue across Urban, Mountain, and Maritime environments.

Helix's mission is to provide the tactical end user with the very best equipment and systems for vertical access, egress, and rescue scenarios.

We understand that first class equipment is only one part of the equation, and that without a trained operator or enabler it is unlikely to be utilised to its true capacity. That is why Helix also offers training packages alongside systems and kit. Training can be delivered through a range of options; from standard courses for the operator, maintainer, or supervisor, through to bespoke courses covering specific scenarios. These training courses are either accredited by Helix or through external validation depending on the end user requirement and course syllabus.



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