

## Batlskin helmet offers integrated head protection

Previously recognised as a leader in ballistic and laser eye protection, US company Revision Military has entered a new arena with its Batlskin Head Protection System. Showcased on Stand N4-181, this is claimed to be the first fully integrated and fully modular solution of its kind.

Batlskin combines advanced technology and design, with innovative materials and processes to offer an all-new solution to a major problem. This has resulted in a single, fully integrated system that provides excellent protection from blunt force, blast and ballistic threats, yet is lightweight to ensure comfort for the user.

Revision Military was motivated to move into head protection, having noted that the changing nature of warfare, and specifically the widespread use of IEDs, are resulting in a disproportionate number of head injuries.

Some 30 per cent of all casualties sustain facial and neck injuries, although the face, head and neck represent only 12 per cent of total body area. Studies reveal that traumatic brain injury has become the



'signature injury' in the wars in Iraq and Afghanistan.

Hence the time that Revision Military has devoted to the design of a new helmet, impact liner, ergonomic retention system, multipurpose front mount, high-threat mandible guard and three-position visor.

It justly claims the Batlskin system to be all-new. ■

# Instant source of drinking water

By Brian M Walters

The importance of clean water to survival and the avoidance of infection is widely accepted, but soldiers operating where safe supplies are unavailable must take particular care. This is a subject that Lifesaver Defence Systems has focused upon for several years and as a result its filtration technology is currently relied upon by militaries all over the world – in bottle and jerrycan format.

To seek improvements, the company has consulted with users in many regions, as the result of which two developments have been announced at the show and may be seen on Stand N10-264.

The Lifesaver Hydrocarry II integrates within the existing standard issue military daysack, yet takes up only 6 per cent of the volume while instantly providing some 4,000 litres of sterile drinking water without the use of chemicals. Using the same filtration technology as the company's other products, the new unit performs like a traditional bladder pack.

However, with a storage capacity of only three litres, the Hydrocarry II allows the user to harvest water from any source, sterilising and consuming it instantly. As the system uses an



integrated dual pump to suck up water into the pack, it never needs to be removed from the daysack and does not require cleaning.

Alongside the new military pack that dramatically reduces the weight on the soldier, the company has introduced the smaller Lifesaver cube, which is designed to provide potable water for immediate and bulk distribution in disaster-affected areas. As the military is often the first to arrive on scenes of natural devastation, the cube is likely to become familiar among troops in some countries. ■

## Panoramic situational awareness

GE Intelligent Platforms has introduced the IPS511 Rugged Situational Awareness Processor at DSEI. The IPS511 is designed to provide ground vehicles, aircraft, remote unmanned platforms, and security and surveillance systems with previously unattainable levels of 360° situational awareness. It is a single-board solution housed in a rugged chassis and is characterised by its small size, weight and power consumption, enabling it to be deployed as a cost-effective upgrade

to almost any platform operating in a demanding environment.

The IPS511 seamlessly merges video signals from multiple sensors into a real-time interactive 360° panoramic image, which can be displayed on one or more monitors. It allows troops to stay in vehicle and remain protected, while still being able to view the theatre of operation. It also allows them to see where the target is in relation to other armoured vehicles on the ground. ■