



**XTRACT<sup>2</sup>**



TSG Associates, Albany Works, Long Lover Lane, Pellon, Halifax HX1 4QF, England  
Tel: +44 (0)1422 380097 Fax: +44 (0)1422 357639 Email: info@smartmci.com www.tsgassociates.co.uk



**INNOVATION IN COMBAT  
CASUALTY CARE**





“OUR PRIME OBJECTIVE IS TO SIGNIFICANTLY DECREASE PREVENTABLE DEATHS ON THE BATTLEFIELD.”



COLIN SMART  
SENIOR PARTNER  
TSG ASSOCIATES



SIMON PENNELLS  
SENIOR PARTNER  
TSG ASSOCIATES

**XTRACT<sup>®2</sup>**

#### DEVELOPED FROM FIRST HAND EXPERIENCE

The Xtract<sup>®2</sup> is the end product of a story going back to the first Gulf Conflict.

Commanding a forward medical section, Colin Smart realized that it simply wasn't feasible to take a standard stretcher out on patrol and that there was a real need for a lightweight, compact stretcher which would be readily available to the medic working in a tactical environment to help move the casualty quickly and safely.

This recognition led to a series of innovative ad-hoc solutions, which in turn became the foundations of the Xtract<sup>®2</sup>.

With many years of international experience in multiple casualty care, we have accumulated research and operational feedback from recent conflicts. Twinned with appropriate knowledge and skills we have worked extensively with experts in the fabric industry and researchers in technical textiles to develop the DURAE<sup>®</sup>LITE fabric which has enabled us to build a stretcher that will make a real difference.

The ability to rapidly extract casualties using the Xtract<sup>®2</sup> is a key link in the chain to help decrease preventable deaths on the battle field.







**“ RAPID CASUALTY  
EXTRACTION OFTEN BECOMES  
THE KEY LINK IN THE  
CHAIN OF SURVIVAL. ”**

**DR JOHN HALL MB CHB, DRCOG, DFSRH, DIMC RCS ED**

**HON. SENIOR CLINICAL LECTURER IN EMERGENCY CARE, UNIVERSITY OF BIRMINGHAM, UK  
CHAIRMAN, NATIONAL FIREARMS & TACTICAL MEDICINE CLINICAL ADVISORY GROUP  
FPHC LEAD, TACTICAL MEDICINE**







# THE SOLUTION FOR RAPID HIGH THREAT CASUALTY EXTRICATION



# “ WHY CHOOSE THE XTRACT®2? ”

### MEETING THE REQUIREMENTS OF THE OPERATIONAL CASUALTY

Understanding the profile of our casualties through retrospective analysis and appreciation of the operational environment is key to the Xtract®2 meeting operational needs.

### NSN

Adopted as a frontline stretcher for the British Army Xtract®2 NATO Stock Number : 6515-99-297-8494.

### SECURES AND PROTECTS YOUR CASUALTY

Research done by Brodie et al<sup>i</sup> shows that 36% of casualties who had tourniquets applied sustained full or partial lower limb amputation.

The Xtract®2 is specifically designed to cope with casualties with compromised anatomy, and can be quickly adjusted to fit individuals ranging in size from 2,080mm to 1,120mm (6ft10" to 3ft8").

Whilst inside the Xtract®2, Dressings, Tourniquets & other treatments are protected from becoming dislodged.

### ALLOWS FOR RAPID EXTRACTION

The advanced Duraelite® fabric has been specifically engineered to have high abrasion resistance and high tensile strength, this allows the Xtract®2 to be dragged, lifted and survive extreme operational challenges.

### LIGHT WEIGHT AND FUNCTIONALLY ROBUST

Made from the Duraelite® Fabric, The Xtract®2 is rated to 300kgs (660lbs), weighs less than 1.5kg (3lbs) and fits in your hand. The Xtract®2 can be carried in operational equipment and be readily available at point of injury.

### REDUCES THE RISK TO CASUALTY AND RESCUER

Securely cocooned within the Xtract®2, the casualty gains protection from hypothermia and the aggravation of life threatening injuries.

The innovative elasticated securing system, prevents splinting of the respiratory system and allows the medic easy access to the casualty without undoing the straps, no buckles required.

The Xtract®2 reduces the rescuers exposure in hostile locations and manual handling injuries.



Patents US 7,865,986 B2 US D 617,691 S US 8,793, 827 B1  
US D 732,438 S EP 2 303 210 B1  
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<sup>i</sup>Tourniquet use in combat trauma – Journal of RACM 2008 153(4)  
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**“ ...ONCE THE IMMEDIATE THREAT OF FURTHER INJURY FROM HOSTILE FIRE HAS BEEN REDUCED TO A MINIMUM LEVEL, THE CASUALTIES OUGHT TO BE TAKEN CARE OF IN ORDER OF PRIORITY. ”**

LTC CLIFF CLOONAN  
MILITARY MEDICINE, VOL. 165, SUPPLEMENT 1





# “ WHY CHOOSE SMART TRIAGE ? ”

## SMART TAG® MIST



## SMART CASEVAC™



### MAKING PRIORITIES

Standard with the British military since 2001, the SMART Incident Management System™ takes the lifesaving concept of triage and makes it operationally effective.

Used and taught throughout the world The SMART Incident Management System™ is the most widely used triage system and has been proven in the harshest conditions across the globe.

### ENHANCING HANDOVER

Using recognised medical reporting in intuitive products you can handover essential information in an accurate and time efficient manner.

### IMPROVING FUTURE CARE

Recording care from point of injury (in a way that can be easily logged into medical databases), allows for future research on a greater evidence base.

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