

SELECTED
by the
UK MoD



VIRTUS™
SOLDIER SYSTEM

VIRTUS FORMS THE CORE OF A SCALABLE SOLDIER ARCHITECTURE, DESIGNED AS A SYSTEM TO ADDRESS THE CHALLENGES OF THE CURRENT AND FUTURE OPERATING ENVIRONMENTS.

VIEWING THE "SOLDIER AS A SYSTEM" ENABLES AN INTEGRATED APPROACH TO REDUCING THE COGNITIVE, PHYSIOLOGICAL AND MECHANICAL IMPACT ON THE INDIVIDUAL, ENHANCING THE OPERATIONAL EFFECTIVENESS OF THE COMBAT INFANTRY.



MISSION #1

REDUCING BURDEN

The Dynamic Weight Distribution (DWD) system enables weight to be transferred between the shoulders and the hips, improving comfort and agility.

The soldier on-the-move is able to vary the load placed through the spine, while maintaining right stride and flexibility of the body.



THE DWD SPINE BAR

A telescopic adjustable weight transfer mechanism which acts as a second spine.

The spine bar is connectable to all load carriage system components.





Extensive field trials have shown the DWD to reduce the burden on a soldier during long hauls, improving the ability to adapt to the mission and terrain.

Starting position,
all the weight is
carried by the
shoulders.

Midpoint - half the
weight is transferred
to the hips, half rests
on the shoulders.

All the weight is
transferred to the
hips, the STV lies
loose above the
shoulders.



A UNIQUE LOAD BEARING SYSTEM,
THE DWD ALLOWS
COMPLETE NATURAL MOVEMENT

MISSION #2

SCALABLE TO THREAT AND MISSION

Customizing the VIRTUS system for the mission and threat level in minimal time and effort is the key for being prepared.

The Scalable Tactical Vest (STV) provides the means to enable the soldier to scale their protection up or down appropriate to the prevailing threat levels and requirements of the mission.

With designated pockets for side, front and back protective plates, the Scalable Tactical Vest (STV) System is a low-profile, all-in-one solution.

With this one gear item, the user can shift the level of protection from a concealable vest to a full-up tactical vest within minutes. In each configuration, there are four for multiple plate scenarios.



CONCEALABLE



PLATE CARRIER



BODY ARMOUR VEST



FULL UP VEST
INCLUDING EXTREMITIES

9 DRESS LEVEL CONFIGURATIONS IN ONE GEAR ITEM

THE "SOLDIER AS A SYSTEM" DESIGN APPROACH, ADOPTED BY SOURCE, FOR VIRTUS ALLOWS THE GEAR TO BE SCALED TO THE DEMANDS OF THE MISSION, ELIMINATING UNNECESSARY WEIGHT.

THE INTEGRATED DESIGN RESULTS IN SIGNIFICANTLY IMPROVED PHYSICAL PERFORMANCE FOR THE INFANTRY SOLDIER, ENHANCING MOBILITY, AGILITY AND SURVIVABILITY IN COMPLEX MISSIONS.



Chassis/
Rider Hydration Pack



Chassis/
STV & DWD



Chassis/STV/
40L Daysack & DWD



Chassis/
90L Bergen & DWD

