

Gladiator – the modular harness for effective training



Gladiator harness with weapons simulator in live training

Identify, aim and fire - The opponent is hit in the arm and put out of action. His unit rushes to his rescue, but is immediately taken under constant fire and rapidly suffers heavy losses. Fortunately, an acoustic signal lets you know: this is not an emergency, but a realistic simulated training. The wounded soldiers' harnesses indicate the extent of their injuries and their geographical positions. The transmitted data is immediately forwarded to the control centre, where they are analysed and evaluated. Thanks to Gladiator soldiers and their superiors can learn from mistakes, improve their combat behaviour and return as an effective force with better tactics and procedures.

Gladiator – the latest technology

Gladiator is a personal harness for realistic, simulated live training. Special units, the police and combat troops can be trained from group to brigade level. Gladiator can be used to train in various fire and movement scenarios, in open as well as in built-up terrain, without deploying live ammunition.

Gladiator has a modular structure

Starting from the Basic variant, Gladiator can be extended in several modular stages.

Ergonomic design for simple operation

In the development of Gladiator, the focus was entirely on the training benefits, user-friendliness, wearing comfort and robustness of the system.

Gladiator – train today for tomorrow's conflicts

The harness has been specially designed to ensure that it can be configured for the widest possible variety of training scenarios, whether engagement in open terrain, urban operations or joint arms actions. Here are just some of the features of the Gladiator:

- Laser shot simulation
- High long range accuracy
- Health status and position
- Differentiated vulnerability models
- Realistic simulation of different weapon effects (e.g. IED)



Gladiator – the modular system

With **Gladiator Basic**, individuals can interact via laser and radio – optimal for the simulation of duel situations. The direct hits are evaluated according to the weapons effect and the vulnerability model. Near hits and effective hits are indicated both acoustically and by display. The Basic version enables the simulation of different personal weapons.

The **Gladiator Standard** variant also makes it possible to locate individuals in open terrain. The status as well as the position is saved on the harness and can be downloaded and evaluated at the after-action review. An optimal interface for attack data reception makes it possible to include the weapon effect from the radio-based weapon simulators.

Using **Gladiator CTC**, the status and position are not only stored but are also transmitted directly to the command centre. In addition, it is also possible for instructors to intervene in ongoing exercises. To further improve training effectiveness, the CTC version is additionally equipped with laser technology that can accurately simulate the ballistic characteristics of vehicle mounted and heavy weapons.

Gladiator MOUT CTC is the fourth and most comprehensive variant. It enables battles to be simulated in built-up areas, including the determination of positions in buildings and the ability to transmit attack data throughout buildings.

Configurable Vulnerability Model

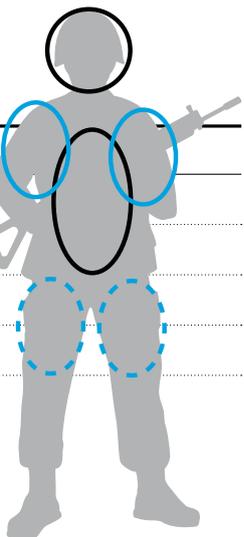
- Degree of vulnerability depends on:
 - Attacker weapon and ammo type
 - Shooting distance
 - Impact zone
 - Degree of any prior injury
 - Degree of protection

Severity of injuries

1	Uninjured
2	Wounded
3	Badly wounded
4	Fatal injury

Example, levels configurable
 ○ Death* ○ Injury**

* The body zone changes to "Injury" if a body armour is used.



** The leg zones are optional.