



SAAB



INFANTRY SOLDIERS ACCESSORIES – OPTIMIZING FORCE-ON-FORCE TRAINING

The accessories are transparent to the soldiers and are used in the same way as real weapons in actual combat. They allow instructors to add complexity and new training elements to peacetime training.

To enhance training fidelity, Saab developed a wide variety of training accessories. These accessories are seamlessly integrated into the training systems.



Sector Charge Simulator

The sector charge is a modern weapon used for securing flanks, access to certain points, transport routes, etc. Saab's sector charge simulator accurately emulate actual devices without posing danger to exercise players. The simulator is similar in size, weight and operation as the original M18 A1 Claymore. When fired, the simulator produces both audio and visual effects and can be configured with a pyrotechnical device.



OPFOR ATWs

Distinguishing between friendly forces and OPFORs can be accomplished by utilizing different uniforms and weapons than those normally used by friendly forces. The OPFOR RPG has a similar signature and target effect as the real threat.



IED Effects Simulators

Saab provides a wide range of different IED simulators that give both visual effects and wound/kill effects on soldiers making IED training a seamless, integrated part of tactical exercises in all types of environment.

Booby Trap Simulator

The use of improvised weapons occurs most often in urban environments. Booby traps are normally used by OPFOR units. A trip-wired, non-pyrotechnical device can be deployed at a door entrance, for example. The wire is stretched out and secured, and when triggered, pressurized smoke powder is released. The booby trap sends hit information to infantry man-worn personnel detection system that simulate the effects of detonation.



Hand Grenade Simulators

Frag and Stun grenades with safe pyro. They replicate modern grenades and incorporate both OSAG and MILES interaction together with safe pyro. They are easy to use and safe for all players in an exercise. The effective range of the hand grenade simulators is similar to that of a real grenade in all types of terrain and environments, including high grass, snow, inside buildings, etc. This is achieved through short-range radio transmissions from the simulator, simultaneously as assessment is conducted in the man-worn personnel detection system.





Counter IED Training

This system makes it possible to train the whole procedure from jamming, finding and destroying IED's. All events can be monitored on-line and data is stored for evaluation and AAR.



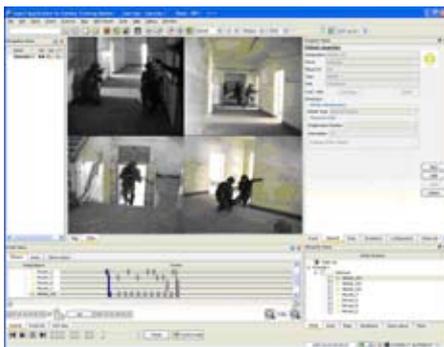
Medical Treatment Simulation

It doesn't end when you are hit. Medical treatment simulation makes training even more realistic. Medical personnel must provide correct treatment to keep soldiers in fighting condition and to prevent further injury or death.

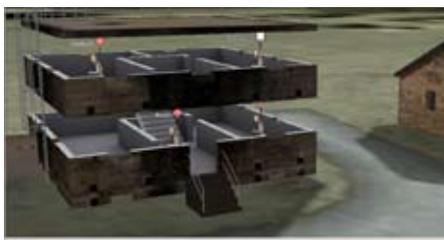


Urban Training Package

This is an add-on package to Saab's instrumented training systems. It is easy to instrument a building, room by room with wireless sensors. Players status and movements are registered and can be monitored during and after action.



With Saab's time-tagged video streaming integrated in EXCON exercise leaders can evaluate both the tactics and skills in urban training.



Wireless sensor for indoor tracking

Mechanical OPFOR

Mechanical OPFORs can be utilized in urban exercises, convoy training or to improve capabilities in defending positions. This solution combines FoF with FoT in a single exercise for common control and AAR. Saab's mechanical OPFOR concept includes a Wireless Target System (WTS). The WTS can be used in conjunction with target lifters and provide shoot-back functionality, or as a firing detection system only.



A variety of different target lifters are available. Depending on the primary usage, the lifter can be a swing-out target, swivel target, static target, portable target, etc.



Engagement Feedback Device, EFD

EFD improves the ability to sense a simulated wound/kill state and detected near miss in high adrenaline/noisy training environments. It gives a cutaneous effect in the form of vibration together with a shrill beep. The EFD is compatible with all Saab Personnel Detection Devices without the need of upgrade and is easily paired to the PDD and ready to use in a minute.

Protective Mask Simulator

Operation in a contaminated area has always been a worst-case scenario for armies. The Protective Mask Filter (PMF) can be fitted to a standard mask and registers when air is inhaled through the filter. If no breathing is detected, the soldier receives a "wound" similar to what would be inflicted in a real situation.

