INFANTRY FIGHTING VEHICLE CREW TRAINER
WHEN PRECISION COUNTS

Saab's IFV trainer is the perfect choice for all types of live crew training. Mechanised infantry with armoured vehicles plays an important and essential role in modern conflict. An operational well-trained crew is essential when handling a complex situation, often in a populated area. The IFV Crew trainer will be the best tool for gaining the necessary experience and confidence in weapon handling, precision gunnery, crew collaboration and tactical scenarios for the next mission.

As the world's leading supplier of live precision simulators we always focus on your training needs with a view to an evolving battlefield. The IFV Crew trainer is transparent to the crew and all weapon procedures and drills have to be correctly performed, which ensures that only correct lessons are learnt. Targets are vulnerable in accordance with the estimated effect of real ammunition. An explosive round will have a larger lethal impact area than a piercing round, and every firing event can be documented by the thru-sight video. Cooperation with a dismounted squad is yet another element that increases realism during training. The IFV trainer allows training against all types of opposing forces, including air targets.

Sophisticated feedback
The IFV Crew trainer utilises precision laser simulation, by true replication of the real chain gun projectiles' ballistic and target effect. The projectile trajectory is visualised in the gunner and commander's sights through tracer, burst and obscuration simulation allowing the crew to perform fire observation and fire correction. Realistic weapon sounds from loading the weapon to firing are provided through an intercom system or via a speaker. The events are recorded and stored for subsequent analysis and feedback.

Unlimited training opportunities
Collaboration with ground troops is handled by the trainer. Every time ground troops enter or exit the vehicle they are automatically associated and de-associated with the vehicle. Associated infantry will be vulnerable to vehicle effects as in a real situation, e.g. when the vehicle hits a mine. Scalability and use of modern information technology gives customers the opportunity to grow with the system. Analysis and evaluation are always objective and based on documented facts, and are further improved by video recording of sights, crew, mounted squad and voice recording of radio and intercom communication.

Instructor Tools

Instructors play an essential role in all training. The instructor tools give them the capabilities to provide objective and timely feedback, both on an individual and collective level. Instructors can plan, prepare, execute and evaluate gunnery training. Cost-efficient performance improvement and a positive learning curve reduce time to mission readiness. The crew is evaluated and given training feedback relevant to the specified training objective. Feedback can be given both in real-time and as an After Action Review (AAR). The tools use event information such as engagement times, aiming coordinates, aiming procedures, hit information, etc., and present the data as statistical reports, qualification results, etc. On-screen presentations can be interactive using sequences for playback. Handouts are easily compiled for distribution at the conclusion of the training session. With the real-time feature, several trainees can be monitored and instructed simultaneously by one instructor.

Modern, proven and in use

More than 4,000 vehicle systems have already been adapted and delivered for over 50 different applications, e.g. CV-90, Bradley, Marder and BMP family vehicles. Taking advantage of the latest technology in a proven product affords the luxury of using only one training system for all types of training from initial gunnery training, through live fire practices, to advanced force-on-force exercises in CTC environments - reducing time to mission readiness.

KEY FACTS

Capabilities	• = Standard O = Optional
Fully integrated into the Infantry Fighting Vehicle (IFV)	•
Requires correct weapon handling procedures (No negative training)	•
Laser range finder capability	•
Ballistic simulation (e.g. correct time of flight, lead angle and elevation)	
Instant Gunnery Feedback (e.g. text menus, real sounds and audio feedback in English (native language option)	•
Ammunition management system (ammunition configuration and qty. in hull and turret)	•
Anti-cheat functionality	•
Correct and true target separation (only one target can be hit by one round, except area effects of explosives, e.g. against infantry)	•
Unconditionally Class 1 laser eye safe IEC 60825-1 with amendments A1:1997 and A2:2001 with full performance for the complete effective weapon firing range	•
Automatic and transparent association and dissociation of infantry troops	O
Fire observation and accurate fire correction capability (tracer for all sights)	O
Dug in and micro terrain protection (wireless hull down detectors)	O
Advanced vulnerability tables allowing fire control system degradation, radio disabling, etc.	O
Multimedia Recording: Sight, crew and mounted squad video, radio and intercom recording	O
Pyrotechnical fire and hit indication	O
Interoperability to other training systems	O
Instructor tool for advanced evaluation	O
On-line monitoring and control	O

Specification subject to change without notice