



SHOOTING RANGE TRAINING SYSTEM

The Shooting Range Training System is a firearm training product integrated by Selex ES into its wide spectrum of training solutions for Law Enforcement Agencies.

THE SOLUTION

The training of Law Enforcement personnel is a key factor for achieving organisations based on well prepared and qualified professionals, able to maintain their performance, skill level, and safety.

In particular, organizations requiring to train employees on dangerous or expensive equipment could benefit from simulation-based training.

The Shooting Range Training System represents a solution to these requirements, as it is a cost-effective, easily deployable and easy to use training solution.

It can be tailored to any Law Enforcement training needs, allowing different professional figures to practice specific and proper skills according to their operative role, without any impact on the real operation.

Shooting Range – based solutions are currently used by Police, FBI and Border Patrol departments in USA, by the Ministry of Defence and the Metropolitan Police in UK and by many Training Centres in the Middle East. Selex ES has already provided these solutions to the Italian State Police.



SYSTEM MAIN FEATURES

The system enables realistic fire training by using a simulated environment, generated by means of both static and full-motion interactive computer generated targets and scenarios. The basic system components are:

- Laser weapons (handguns or rifles)
- Simulation engine, typically a computer hosting different virtual scenarios
- One or more cinefold screens where training scenarios are projected
- Laser Detection Camera, able to track the laser shots on the screen.
- Extended Performance Monitoring



The virtual shooting range can be configured in order to display a single image on up to three target screens. In this case, screens can be aligned in a straight line or at a 135 degree angle, providing a larger, realistic field of view.

For lane training or virtual combat scenarios where multiple shooters are trained, the stand alone system supports up to four trainees per screen or four lanes per system. The standard courseware is focused on marksmanship, combat shooting skills, and judgmental firearm training.

The widespread courseware package, together with the realistic, reaction-based video training scenarios, allows the instructors to deliver a full-spectrum firearm training. In addition, trainees can use different laser trainers including inert recoil and non recoil weapons, laser inserts, and recoil kits. Finally, they can opt for their own live weapons, thanks to the Thermal Shot™ live-fire training system add-on package.

The Shooting Range Training System is provided in several configurations ranging from a portable simulator, packed into a rolling, weather-proof case up to a turn-key classroom package.

THE SPECTRUM TRAINING SOLUTION

The Selex ES shooting training system integrates state-of-the-art technologies to build flexible configurations that allow a wide range of customisations in accordance with customers' needs, such as training modes (e.g. basic/advanced/personal training) and the implementation of specific "Rules of Engagement", as defined by the country's Defence Authorities, in order to regulate a shootout involving Law Enforcement personnel.

Add-on functions also include the "Electronic Shooting Booklet" management tool, the "Weapon Tracking System", by means of RFID technology, and the integration with training management systems. It is possible to set up many training courses, by integrating a series of different training exercises available inside the system. Each trainee can perform training exercises designed to improve target acquisition using either laser inserts, assigned weapons with recoil kits, or live-fire.

The system standard courseware includes:

- **Branching Video Training:** it simulates over 20 different, real-time video scenarios and provides several possible outcomes branching off from the original scene, based on the trainee's actions
- **Skill Drills Courseware:** which includes various training drills focusing on the improvement of a trainee's timing, accuracy, hand coordination and decision making skills
- **Course of Fire:** it can accommodate up to twelve lanes of shooting for larger training classes. It can provide training for up to four trainees or shooting lanes on a single system when properly equipped. The Course of fire's new features are the lighting adjustment options and the automatic tracking of individual shot results
- **3D Cyclic Actions Courseware.** The 3D Firearm
- **Cyclic Actions courseware package** supports in the
- **Comprehension and understanding of various weapons mechanical operations.** Each weapon is virtually simulated in high resolution 3D graphics and is fully animated in order to show all the complex moving parts.

All exercises can be recorded and replayed during debriefing sessions to evaluate performances and trends in training sessions.

