



The fully customizable standalone MANPATS trainer ensures highly comprehensive tactical training.



MANPATS TRAINER



LASERLESS



FULLY
MOBILE



EXACT WEAPON
REPLICAS



STANDALONE
TRAINER



POSSIBLE
SYSTEM
INTEGRATION



UNPARALLELED TRAINING SIMULA

INSTALAZA, S.A. founded in 1943, is a leading company that applies the highest technology to designing, developing, and manufacturing of weapon systems, to offer the infantry the most efficient solutions. Their products are designed with safety, reliability, and efficiency in mind, using the latest technologies and the best materials available.

Guardiaris works as Instalaza's partner for developing and producing fully customized simulators of selected shoulder-launched weapons.

PERFECT MANPATS REPLICAS

The MANPATS trainer's replica has the same physical characteristics as well as mechanical and functional properties as the real weapon. MANPATS trainer houses all sensorics, computer and batteries in special launch tube insert. Projectile characteristics are simulated with 100% accuracy.

VERSATILE AND FLEXIBLE TRAINING

Designed for infantry and special forces, the MANPAT trainer is intended for effective "engage and destroy" training. A variety of ground-based targets include main battle tanks, light armored vehicles, fortified facilities, bunkers and more. Training of target identification and elimination is available at various distances and velocities. MANPAT trainer simulates exact ballistics and damage effects based on type of warhead and target hit.

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NEW STANDARD OF TRAINING REALISM

Superb level of interaction within computer generated synthetic environment displayed in the optical sight. Training is performed in realistic synthetic environments, supported with dynamic meteorological, day and night parameters affecting visibility and ballistic calculations.

ULTIMATE CONTROL OF TRAINING

MANPATS trainer includes the control station, which is a server and the main computing point. It comes with preinstalled GUARD™ simulation software and highly versatile GUARD™ Control Panel (GCP) software. It ensures exercise planning, implementation and evaluation, instruction-soldier communication, and comprehensive After-Action Review.

SUPPORTS ANY MANPATS TYPE

Any portable anti-tank system can be simulated. Wireless simulators are housed in the realistic and durable weapon replicas with 360° synthetic environment displayed in the optical sight. This trainer can be integrated in live large-scale exercises, and can be combined with other Guardiariis products for diverse collective training.



ALCOTAN-100 (M2)

Light, shoulder-fired weapon, with a range of 600 m against point targets, and up to 1.100 m against stationary targets/area targets. It can defeat various targets, from main battle tanks equipped with the most modern armours including ERA to bunkers, buildings and non-permanent fortifications. The highly realistic replica of the ALCOTAN-100 (M2) increases the excellent weapon handling ability and efficiency of the training.





UNIQUE 4D AFTER ACTION REVIEW

After-Action Review collects actionable data in real-time and interprets them for comprehensive analysis. It monitors performance on an individual or squad level. It calculates and displays key performance indicators and enables 4D training replay from the shooter or any other vantage points.

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GUARD SIMULATION TECHNOLOGY

Guardiaris solutions are driven by the proprietary GUARD™ image generator. Advanced real-time data capture, AI and simulation of true ballistics offers diverse training possibilities in highly realistic environment.



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GUARDIARIS

Train The Brain.