



GUARDIARIS

Train The Brain.



SATI

SMALL ARMS TACTICAL TRAINER

SATT - Small Arms Tactical Trainer

The Small Arms Tactical Trainer - SATT is one of Guardiaris' latest patented innovations. This game-changing modular indoor training solution provides marksmanship and tactical training under a limitless array of realistic scenarios. SATT ensures versatile, cost-effective training that boosts shooters' cognitive abilities through proficiency-based learning and expert evaluation.

KEY FEATURES

The SATT solution enables comprehensive marksmanship and tactical training with small arms and light weapons both on individual and team level. Soldiers can perfect their skills within an infinite array of scenarios in a synthetic environment that accurately recreates actual battlefield conditions, that promises limitless training diversity.





- Patented laserless technology
- Marksmanship and tactical training
- Full freedom of movement and combat communication
- IERS system for full sound immersiveness
- Movement of any weapon is detected and recorded in 6DOF
- Constant weapon and crew supervision
- Best-in-class After Action Review
- Completely weapon agnostic capabilities
- Unique SAS technology for flawless data collection and analyses
- Projection Area with multiple configurations
- Accurate simulation of ballistics and other effects

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SUPERIOR PATENTED SAS TECHNOLOGY



The SAS module is a unique solution featuring total weapon agnostics, unprecedented freedom of movement, and instant data collection.



COMPLETE WEAPON AGNOSTICS

Mounted on the picatinny rail of any modified real weapon, weapon replica, or installed inside a weapon replica, the SAS module ensures any weapon type can be used in the SATT.

ULTIMATE HOLISTIC DATA MANAGEMENT TOOL

The SAS module features patented laserless technology. The SAS module ensures exact weapon position, orientation and shooter movement tracking as well as precise shot and recoil detection in real-time. Data is instantly available for qualitative analysis, resulting in rapid adaptation and personalisation of training plans and precise After Action Review.

LASERLESS FOR TOTAL SOLDIER MOBILITY

The SAS module's laserless properties allow shooters to move freely without any additional gear. The unrestricted changing of positions (avoiding the line of fire, backblast areas, etc.) significantly enhances training authenticity.

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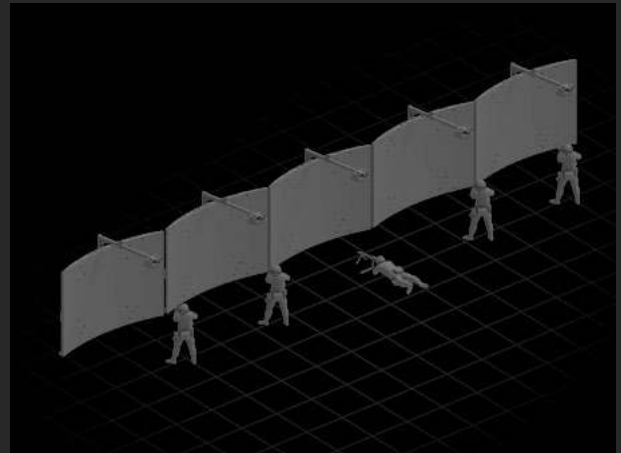
SATT PROJECTION AREA



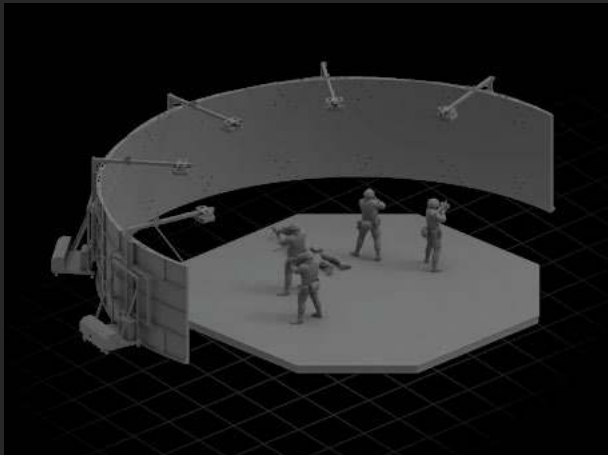
A scalable indoor training ground for diverse marksmanship and tactical training.

THE PROJECTION AREA CAN BE BUILT QUICKLY IN ANY FACILITY OF APPROPRIATE SIZE.

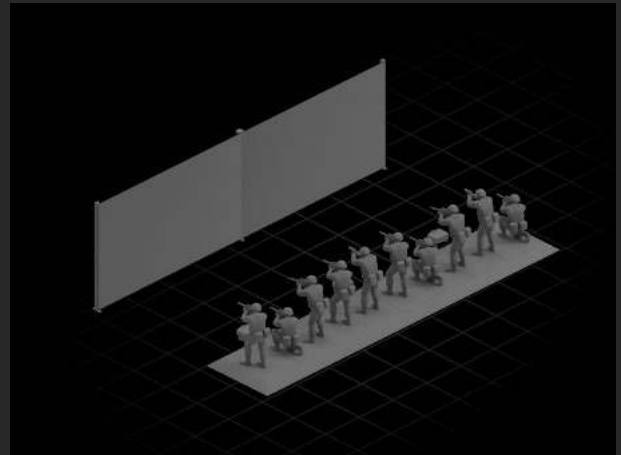
It consists of 37° curved screens, easily assembled into a projection wall of up to 300°.



Five-screen shooting range for marksmanship training.



Tactical configuration for training under various scenarios.



Shooting-house layout for special forces training.

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NEXT LEVEL OF TRAINING REALISM

Exceptional real-time GUARD simulation technology allows superb level of interaction within synthetic environments. A large database of environments and objects provides soldiers with a highly immersive environment where ballistics are calculated accurately for every weapon and projectile type.





SURROUND SOUND - IERS SYSTEM

High-fidelity visual and aural feedback corresponding to each training scenario, coupled with a special sound floor that emulates physical shock factors of real battlefield situations.

Immersed in this environment, soldiers experience unmatched realism before entering combat.



SOUND/SHOCK FLOOR

The sound-driven floor beneath the soldiers' feet emulates shock-factors that mirror battlefield situations. Every explosion and other dramatic distractions are felt, raising the level of stress and unpredictability.

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SMART INTEGRATION WITH OTHER TRAINERS

SATT is fully compatible with other Guardiaris' Trainers (Combat Vehicle, RWS, Mortar and other support weapons, Forward Observer etc.), forming a highly complex training environment.





MORTAR TRAINER

A smart combination of exact mortar replicas and synthetic environments allows this unique portable indoor trainer to provide cost-effective, highly realistic mortar crew training in tactics, communication, and handling procedures.



FORWARD OBSERVER TRAINER

The Forward Observer Trainer is the smartest indoor portable trainer for training artillery forward observers in infantry units, designed for interactive training in target detection, fire requests, fire organization and direction activities.



MMVT TRAINER

The Multipurpose Military Vehicle Trainer is a modular simulator for gunner, driver, commander, or entire vehicle training crew.



ABSOLUTE HLA & DIS INTEROPERABILITY

Compatible with NATO standards and protocols, the SATT can take part in larger joint military exercises.



SUSTAINABLE EQUIPMENT DESIGN

SATT's hardware ensures low-risk operations, long lifecycle, and straightforward maintenance.

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GUARD SIMULATION TECHNOLOGY

Patented real-time simulation technology allows full interaction within synthetic environments and offers complete visual and aural information and feedback.

Extremely fast integration of any standardized digital real-world terrain data guarantees highly realistic training conditions.

All Guardiari's products are fully HLA interoperable.





CONTROL STATION

The Control Station is a server and main computing point. It comes preinstalled with GUARD simulation software and a highly versatile GUARD Control Panel (GCP) software. GCP ensures exercise planning, execution and evaluation, instructor-soldier communication, overview of all exercise activities and comprehensive After Action Review.



SCENARIO EDITOR

A very powerful user-friendly interface allows fast prototyping as well as complete freedom in creating complex scenarios. Interactions can be pre-programmed or automatically controlled by Artificial Intelligence (AI). Weather and time of day can be changed at any point during an exercise.



ADVANCED ANALYTICS AND REPORTS

Instructors can monitor soldiers' performance in real-time and provide feedback even during an exercise. A database enables fast data collection, filtering and aggregation for comprehensive analysis and After Action Review (AAR). AAR provides candid insight into soldiers' strengths and weaknesses from various perspectives and focuses on improvement of problematic areas.

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ABOUT GUARDIARIS

CREATING NOVEL STANDARDS FOR THE PERFECT TRAINING GROUND.

Guardiaris is a highly innovative company specialised in the production of custom-designed training solutions for the defence industry. Our dedicated team of in-house experts has been providing customers with bespoke solutions and support for over 16 years. Proprietary synthetic environment simulation software registered under the GUARD trademark is continually

upgraded to provide one of the most advanced simulation-based solutions on the market. Guardiaris simulation software renders highly realistic terrains and environments, simulates various weather conditions and time of day changes, and calculates exact vehicle dynamics and weapon ballistics.

Guardiaris patented solutions guarantee superb training with comprehensive data management for excellent assessment and precise After Action Review. Our products are deployed across Europe, the Middle East, Asia, and South America.





GET IN TOUCH

Contact us to receive a detailed technical overview of the Trainer and order your custom-designed solution.

sales@guardiaris.com

Guardiaris d.o.o., Podjunska ulica 13,
1000 Ljubljana, Slovenia, EU,

+386 41 779 777



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