



L.E.T.S



L.E.T.S

system comprises a range of modular live simulation solutions that enable tactical "Force on Force" training simulations. This technology allows participating units to engage in realistic and secure combat scenarios within an open environment. By utilizing L.E.T.S, trainees can confront highly authentic situations that test their expertise and improve their combat awareness in handling diverse circumstances. These simulations offer valuable feedback on the efficacy of employed tactics and techniques, serving as a foundation for success in real-life situations.

CONVENTIONAL TRAINING METHODOLOGY

In conventional training methodologies, military personnel are typically exposed to static targets such as manikins, popping targets, or cardboard sheets. However, these methods fail to provide the realistic experience of engaging with a dynamic adversary that possesses the ability, intelligence, and capacity to retaliate effectively.

CAPABILITIES

- Provides extensive support for various unit types, encompassing infantry, both light and heavy vehicles, main battle tanks (MBTs), stationary objects, and other types of units.
- Capable of accurately emulating extended-range fire support systems such as mortars, artillery, and rockets, along with improvised explosive devices (IEDs), aerial assaults, and drone attacks.
- The system has the capability to replicate various forms of shells, projectiles, and calibers through simulation.
- Live Global Navigation Satellite System (GNSS) location monitoring.
- Adaptable equipment and bespoke solutions tailored to meet the specific requirements of our clients.
- The system is designed to be easily grasped, utilized, managed, and features a user-friendly diagnostic system for assessing impacts and injuries.
- It is capable of simulating a wide range of training operations, including open war simulations, urban warfare scenarios, law enforcement operations, and training centers.
- Enhancing individuals' situational awareness and proficiency across diverse scenarios.

FEATURES

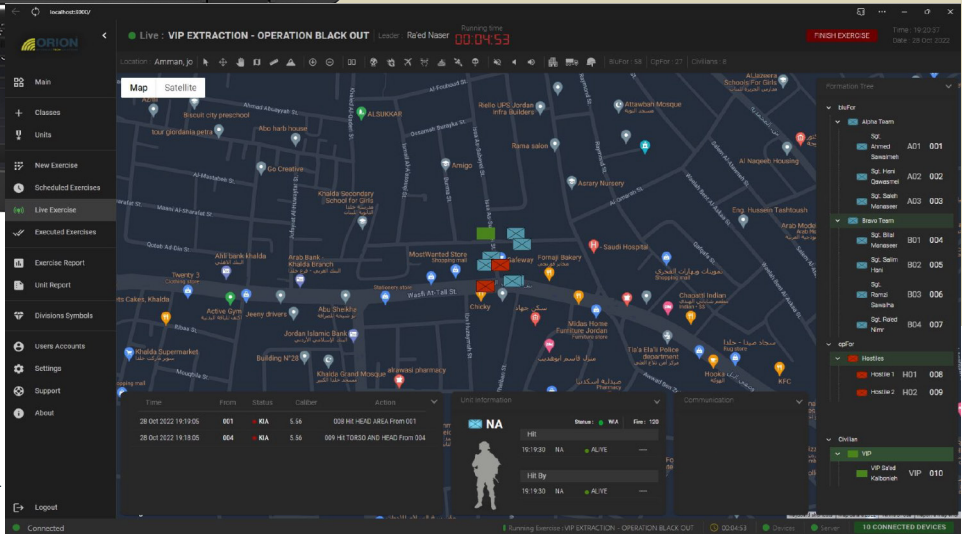
- The IR laser range and power can be tailored to suit the specific weapon and caliber, offering customization options.
- The system utilizes a modulated infrared laser that can transmit pertinent details such as the shooter's call sign, name, and caliber information.
- The system incorporates lightweight kits and employs wireless communications among its units, thereby obviating the necessity for wired connections.
- L.E.T.S, cutting-edge software facilitates the monitoring, control, review, and generation of AAR and reports for exercises.



E.C.S software collects essential data and readings pertaining to the exercise directly from the battlefield in real-time. The gathered information encompasses the status of all participating individuals, their precise location, the nature and severity of casualties, and the specific weapons responsible for them. This crucial information is utilized in evaluating the tactics, techniques, and overall combat strategy employed on the battlefield, as well as assessing the reactions of each participating individual.

E.C.S
Exercise Control System

- Exercise live streaming.
- After Action Review (AAR) and Reports.
- Capacity to monitor the exercise online.



E.C.S. facilitates the provision of real-time readings from the battlefield, which can be displayed for supervisors and personnel in positions of authority. Additionally, it has the capability to store these readings for subsequent display during the After Action Review (A.A.R.) process.

V.L.T
 Vehicle - Laser Transmitter

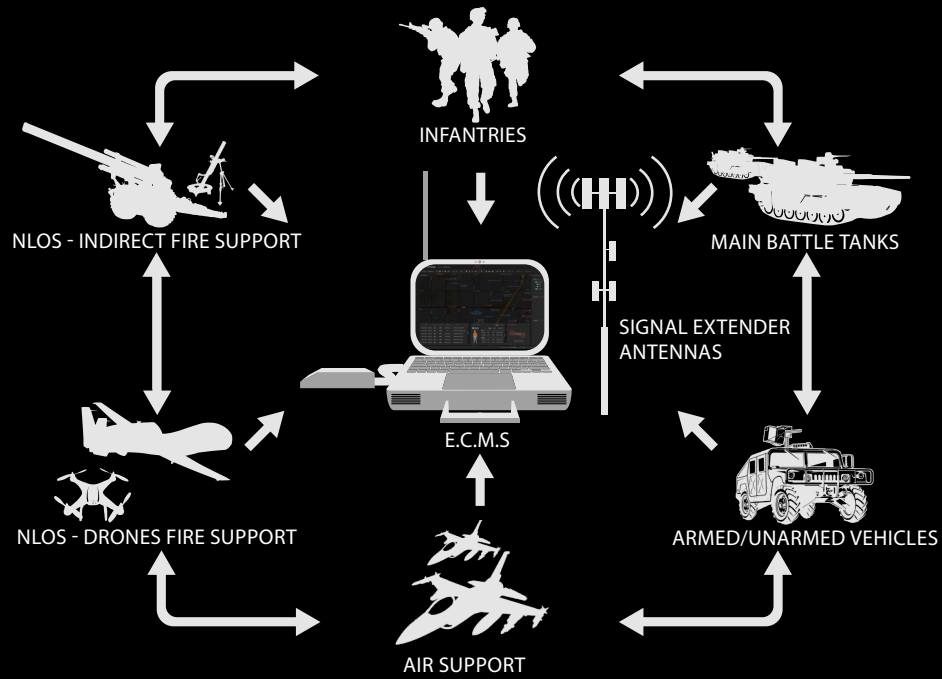
V.R.G
 Vehicle - Recieving Gear

The L.E.T.S System offers a seamless integration and installation process onto the units, allowing for convenient implementation. Upon activation, the LETS devices establish intercommunication and consistently relay updates to the headquarters, encompassing vital information such as unit status, health, and, where relevant, location data. Infantrymen and vehicles are prone to encountering each other, which can lead to damage. In order to identify damaged vehicles, audible and visual indicators are employed, and the realism of these indicators can be enhanced through the use of smoke.





Product workflow



HOW IT WORKS

L.E.T.S employs encoded infrared lasers to replicate the trajectory of a shot. when the weapon is discharged, an imperceptible laser beam is directed towards the designated target, be it an individual or a unit equipped with a specialized suit or device. this beam is intercepted and translated into a successful hit by the recipient's suit or device.

A compact computer integrated into the recipient's apparatus, located on the back of the unit, evaluates the impact based on the caliber and location of the hit. It calculates the probability of fatality, injury, or damage resulting from the hit.

L.E.T.S can be effectively employed in various scenarios, encompassing close-quarter combat, urban warfare, and large-scale military operations. our intended clientele includes sectors such as law enforcement, special operations, and the military, as well as entertainment and training facilities.



L.E.T.S

The L.E.T.S system utilizes laser technology to revolutionize combat training by providing a multidimensional and realistic approach. Instead of relying on static cartoon or wooden targets, trainees engage with real opponents in authentic scenarios, enhancing their combat awareness and comprehension of real-world dynamics.

By incorporating responsive and combative targets, the L.E.T.S system ensures that trainees experience a unique and lifelike simulation, preparing them for potential real-life situations. This immersive training environment fosters a deeper understanding of the challenges that may arise in actual battles. By facing opponents who can employ various resistance and response strategies, trainees acquire invaluable experience in efficiently managing such encounters.

Additionally, the L.E.T.S system offers crucial feedback on the effectiveness of employed tactics and techniques, providing vital information to improve performance in real-life scenarios. By repeatedly engaging in different scenarios with diverse options, trainees develop the ability to effectively handle anticipated and unforeseen actions from their adversaries. This stands in stark contrast to traditional combat exercises that rely on static wooden or cardboard targets.

Furthermore, the versatility of the L.E.T.S system enables its application in various combat contexts, ranging from Close Quarters Battles (CQB) involving short-range confrontations with associated tactics and techniques, to long-range combat scenarios. The system accommodates guided and unguided weapons, grenades, land mines, Claymore mines, mortars, and other combat tools, offering comprehensive solutions for different types of exercises.

Where it can be used?

The L.E.T.S system possesses versatile applicability across a range of sectors and institutions, encompassing the realms of police and law enforcement, military operations, special forces units, private security firms, and specialized training facilities.

This adaptable system is capable of accommodating an array of weapon types and calibers, spanning from small pistol calibers to automatic firearms and sniper rifles. It can be seamlessly integrated into machine guns, mounted on vehicles, deployed on tanks, and employed with various types of anti-tank weaponry. Furthermore, it supports diverse ammunition variants, including armor-piercing (AP) rounds, high explosive (HE) and high explosive anti-tank (HEAT) projectiles for tanks and anti-tank weapons, as well as fragmented ordnance.



WE MAKE THE WORLD BETTER THROUGH INNOVATION, TECHNOLOGY SOLUTIONS AND WORLD-CLASS SERVICES. WE HAVE A DEDICATED AND HIGHLY QUALIFIED PROFESSIONAL STAFF THAT IS WELL EXPERIENCED AND HAS SOLID BACKGROUND KNOWLEDGE IN THEIR RESPECTIVE FIELDS. OUR STAFF INCLUDES A HIGHLY MOTIVATED TEAM OF QUALIFIED, SKILLED AND EXPERIENCED ENGINEERS, DEVELOPERS, AND ELECTRONICS SPECIALISTS.

ORION TECHNOLOGY TEAM

OUR SERVICES

RESEARCH & DEVELOPMENT

WE HAVE A PROFESSIONAL TEAM THAT IS DEDICATED TO DIG UP IDEAS AND EXTRACT THE BEST FROM THEM THROUGH RESEARCH AND DEVELOPMENT AND USING LATEST TOOLS AND EXPERTISES.

TECHNICAL SOLUTIONS

THROUGH OUTSTANDING TECHNOLOGY PAIRED WITH EXCEPTIONAL EXPERIENCE WE MAKE TOP SOLUTIONS SPECIFICALLY TAILORED TO ADDRESS CLIENTS NEEDS. WE PROVIDE ON-GROUND SUPPORT AND HIGHTECH INNOVATIONS.

PRODUCTS DESIGN & MANUFACTURING

CREATE A NEW PRODUCT OR RE-DESIGN ALREADY MADE PRODUCTS TO MEET THE LATEST USERS' REQUIREMENTS. WE USE MOST ADVANCED SOFTWARES AND OUR STATE-OF-THE-ART 3D PRINTING, CNC, ELECTRONIC BOARDS DESIGN TO TURN IDEAS INTO REALITY.

AUGMENTED / VIRTUAL REALITY SIMULATORS (VR / AR)

THIS SECTOR IS ONE OF THE WORLD'S LEADING FUTURE INNOVATION REGARDING SIMULATION AND VISUALIZATION. WE HAVE EXPERIENCED MEMBERS WITH PROFOUND KNOWLEDGE IN USING THIS TECHNOLOGY TO MEET CLIENTS DEMANDS.

