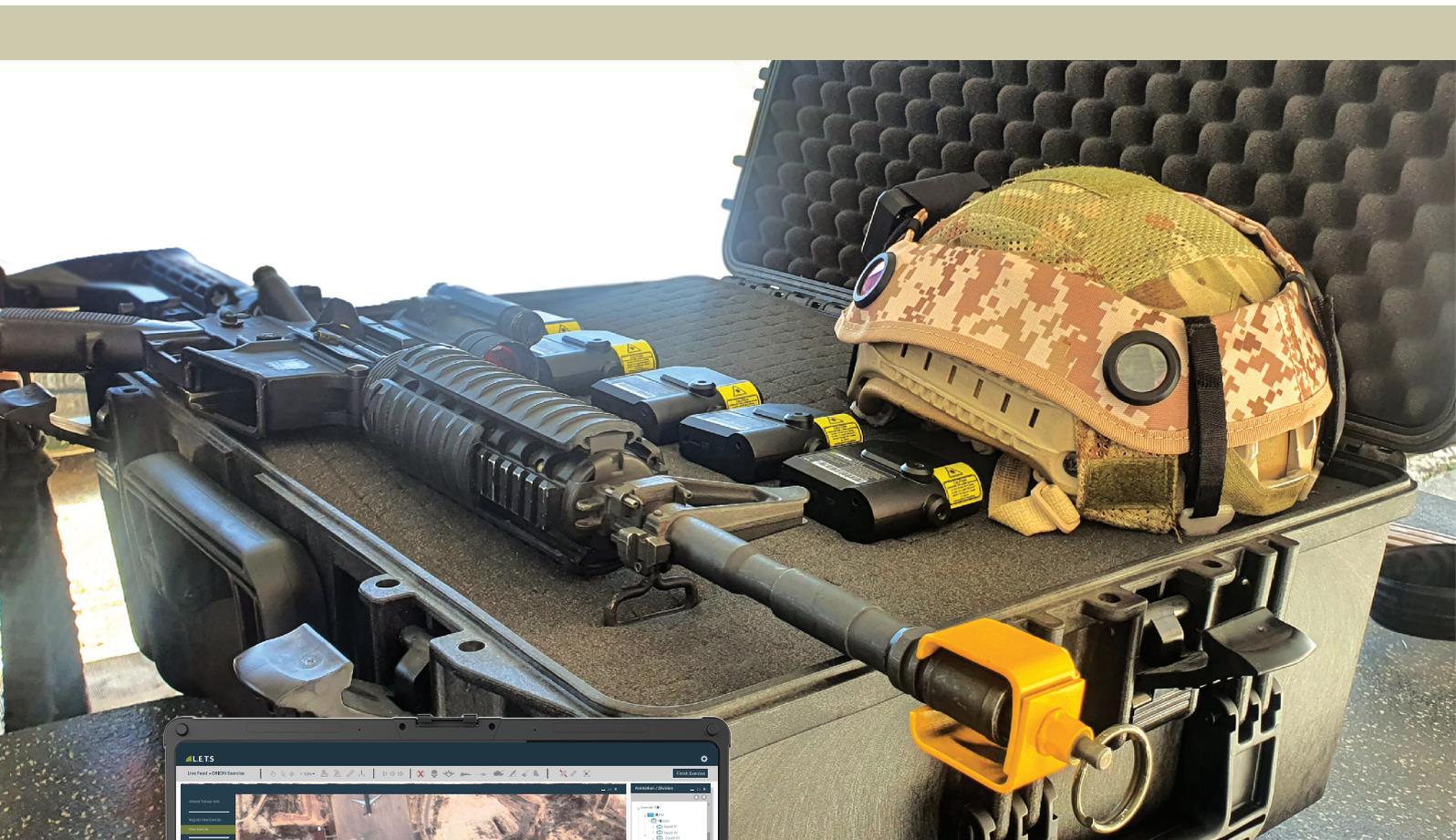


# TRAIN LIKE YOU FIGHT

## L.E.T.S.<sup>®</sup>

Laser Enhanced Training System.



 **ORION**<sup>®</sup>  
ADVANCED TECH SOLUTIONS

[orion-ats.com](http://orion-ats.com)



**TRAIN LIKE YOU FIGHT.**

Laser Enhancement Training system (L.E.T.S) is a tactical training simulator, which provides safe and realistic engagements, simulating ground operational scenarios.

ORION Technology developed its own system tailored specifically to meet the needs and to enhance the performance and capabilities of individuals.

The system provides the leaders and training supervisors with detailed, real-time reports on participants' performance and ground activities.

**Traditional Training Methodology VS L.E.T.S**

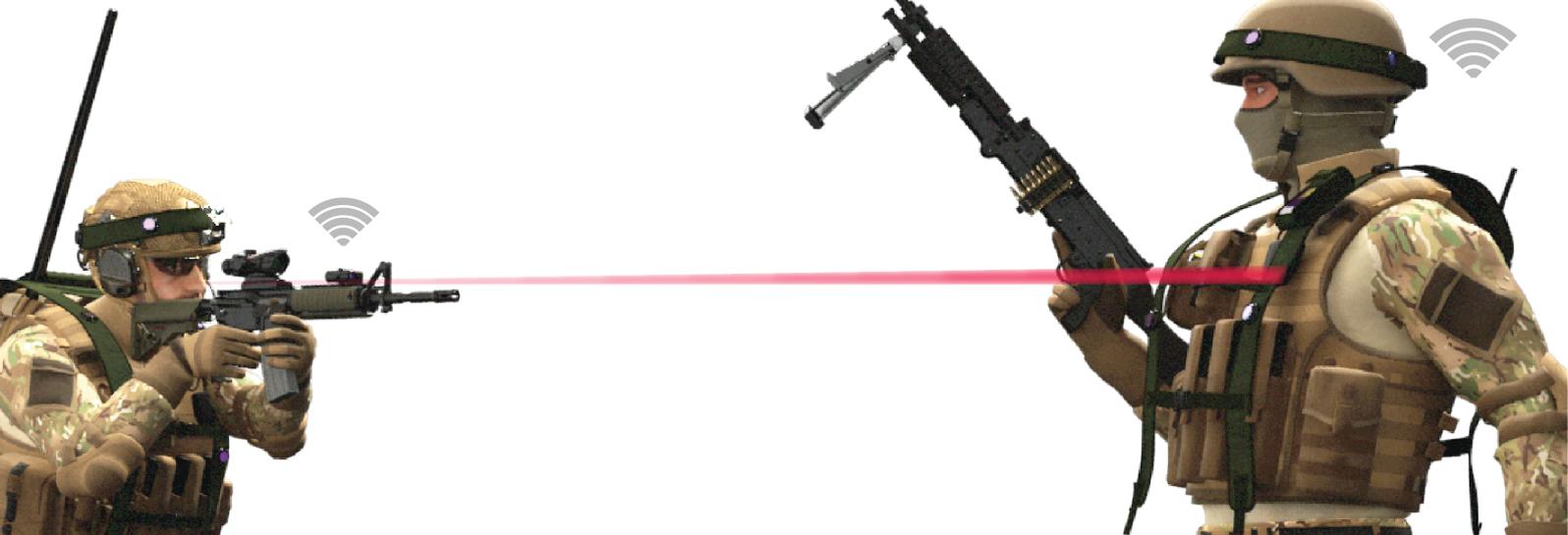
	Traditional	L.E.T.S
Force on Force	None	Yes
Real Time Reports	None	Yes
After Action Review (AAR) and Reporting	None	Yes
Safeness	Risky	Very Safe
Exercise Cost	HIGH	Minimal
Using diverse types of ordnance	Limited	Wide

**CAPABILITIES**

- Supports a wide range of unit types including infantries, light and heavy vehicles, MBT's, stationary objects and other units.
- Able to simulate long range fire support like mortars, artillery, and rockets, as well as IED's, air and drone strikes.
- The system can simulate many types of shells, projectiles and calibres.
- Real-time GNSS location tracking.
- Versatile equipment and solutions that can be customized to clients' needs.
- Easy to learn, use, handle and with friendly Hits\injury diagnostic system diagnose hits and injuries.
- Can simulate most of the training operations, from open war simulation to urban warfare, law enforcement operations and training centers.
- Increasing individuals combat awarness and experience under different situations.

**FEATURES**

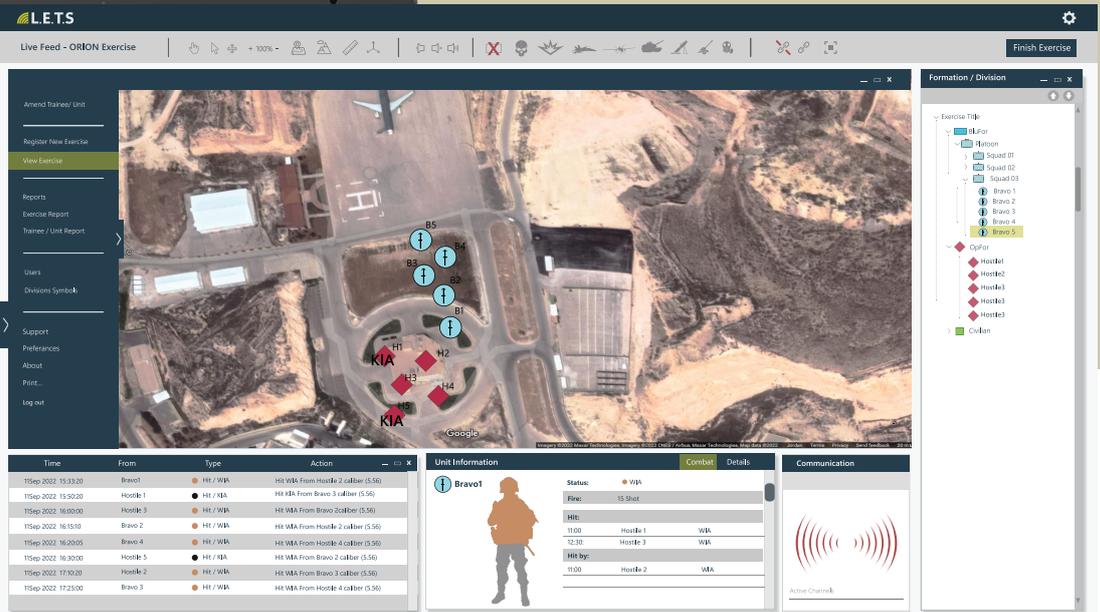
- Customizable IR laser Range/power depending on the weapon and caliber.
- The system uses modulated IR laser which can carry information about the shooter call sign, name and caliber.
- Lightweight Kits and Wireless communications between the units of the system parts, thus eliminating the need for wires.
- L.E.T.S state of the art software allows monitoring and controlling the exercise, as well as reviewing it and providing AAR reports.
- Hits are indicated by beeping sound, visual indication and in case of infantries they will be electrically shocked, and in case of vehicles smoke can be added to indicate the hit.
- Colored LCD Panels installed for each unit will inform and show hit type, location and health status.
- Provide wounds treatment simulation or vehicle or fixing in case of vehicles.





The system as a whole gathers vital pieces of information and readings associated with the exercise from the battle ground in real-time. The gathered informations include the status of each of the participating individuals, location, casualties in terms of their nature, exact location in the body, seriousness and the type of weapon that caused it. This important information will be used in the assessment of the tactics, techniques, fighting strategy executed on the battle ground, reactions of each of the individuals participating in the exercise.

The software E.C.S provides real-time readings from the ground to be displayed for supervisors and persons in charge. It can store these readings to be displayed later for After Action Review A.A.R.

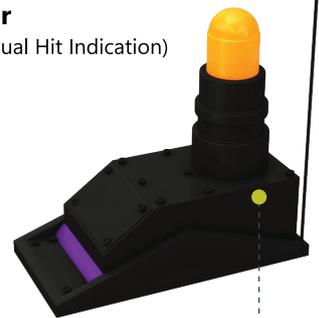


**E.C.S**  
Exercise Control System

- Real time feed.
- After Action Review (AAR) and Reporting.
- Online monitoring capability

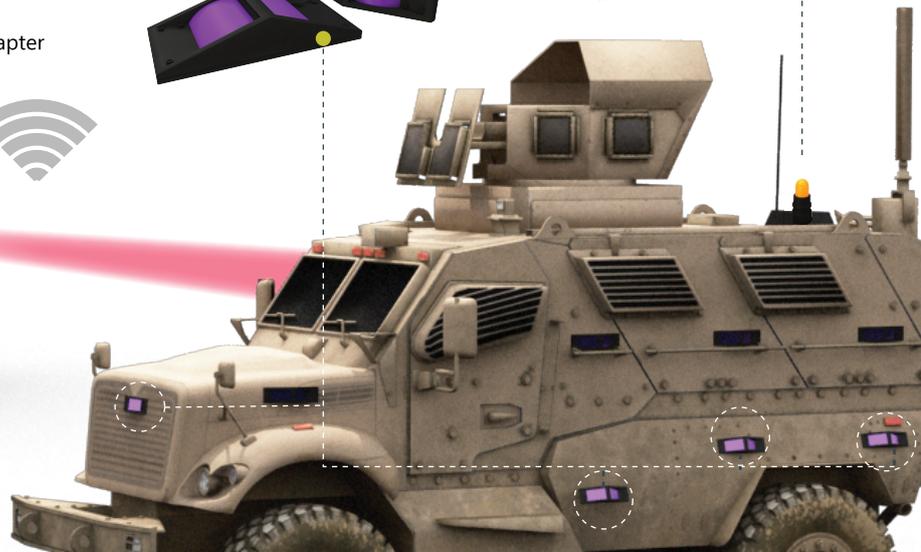
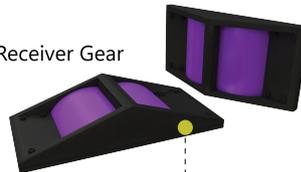
L.E.T.S System is easily fitted and installed on each unit, and once initiated LETS devices communicate with each other and transmit updates to the HQ frequently, including unit status, health and location if available. Infantrymen can hit or be hit by vehicles or ordnance as well. Damaged vehicles are marked by audio and visual indicators. Smoke can be added for a more realistic indication.

**Hit Indicator**  
(Audible and Visual Hit Indication)



**L.T.A**  
Laser Transmitter Adapter

**V.R.G**  
Vehicle Receiver Gear





**L.T.A**  
Laser Transmitter Adapter

- Al-alloy casing for more protection and durability.
- Durable rechargeable batteries.
- Works with blank ammunition or in dry fire mode.
- High-end finishing and design.
- Extendable range, from close-ups to long distances encounters.
- With customizable mounts and rail system, can be fitted to most weapons.



**L.R.C**  
Laser Receiver Computer

- Built-in G.P.S chip for global positioning.
- Long-lasting rechargeable batteries.
- Wireless communications.
- Heavy-duty casing.



**E.C.S**  
Exercise Control System

- Real time feed.
- After Action Review (AAR) and Reporting.
- Online monitoring capability.



**H.R.G**  
Head Receiver Gear

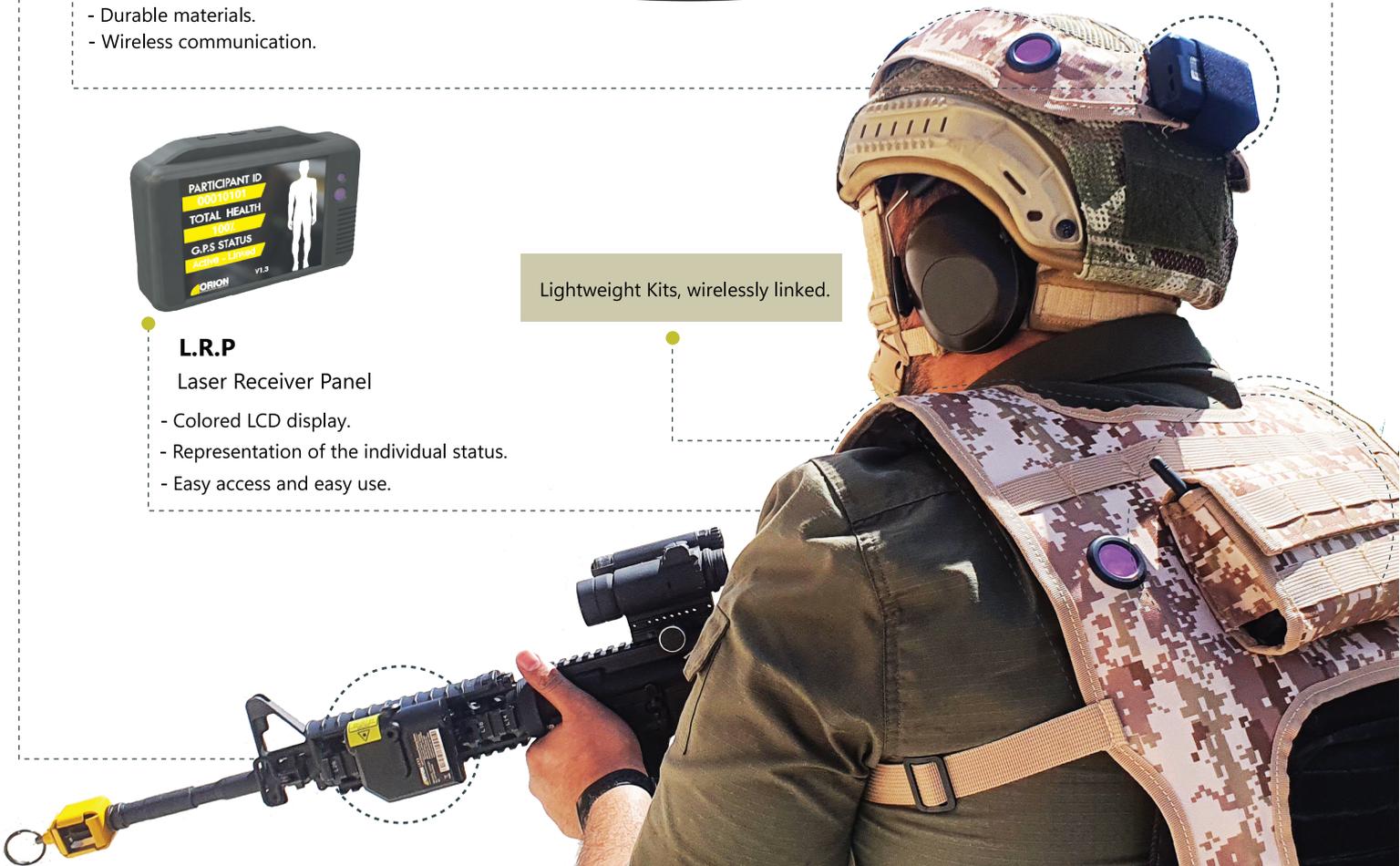
- Durable rechargeable batteries.
- Easy one push-button system.
- Durable materials.
- Wireless communication.



**L.R.P**  
Laser Receiver Panel

- Colored LCD display.
- Representation of the individual status.
- Easy access and easy use.

Lightweight Kits, wirelessly linked.



**L.E.T.S** system is based on laser technology, a technology that shifts the efficiency of combat training from one perspective into multiple integrated one, that is closer to reality. Trainees will face real scenarios, with real opponents instead of fixed cartoon/wooden targets to enhance their combat awareness and understanding of what is going on the ground.

L.E.T.S provides training with targets that are realistic as it can respond and fight back. With such unique experience gained, each exercise provides a realistic simulation of what trainees might face in real life situations, hence raising awareness and understanding of what might happen in real battles.

Having a real opponent who can use all the options for resistance and response, creates and builds up an experience for the trainees on how to deal efficiently with such situations if it arises in real encounters. Furthermore, it provides essential feedback on the validity of the tactics and techniques used, both of which are pivotal pieces of information to build on to achieve success in real life situations.

Repeating the same scenarios with different options, provides the ability to deal with all expected and unexpected actions of the opponents. This is different from the traditional combat exercise, where fixed targets of wooden/cardboard are used.

For different types of exercises, L.E.T.S fits well for various types of combat, from Close Quarters Battles (CQB) , where confrontation between two or more opponents or combatants occurs at short range including the various tactics and techniques associated with it, to long range fighting scenarios. We can provide solutions for guided and unguided weaponry, grenades, land mines, Claymore mine, mortars, and others.

### Where it can be used?

L.E.T.S can be used in different sectors and institutions including police and law enforcement sectors, military, special operators, private security, and specialized training centres.

The system can be adapted to accommodate various types of weapons and calibres, from small pistol calibres to automatic weapons and sniper rifles. It can be fitted to machine guns, vehicle-mounted weapons, tanks and various types of AT's. It can be used for different types of shells as well, from AP rounds, HE and HEAT for tanks and AT's, to 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.

#### IT SOLUTIONS

SOFTWARE DEVELOPMENT, MAINTAINACE AND SUPPORT THROUGH EXPERIENCED STAFF MEMBERS.

#### 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 EXPERINCED MEMBERS WITH PROFOUND KNOWLEDGE IN USING THIS TECHNOLOGY TO MEET CLIENTS DEMANDS.

