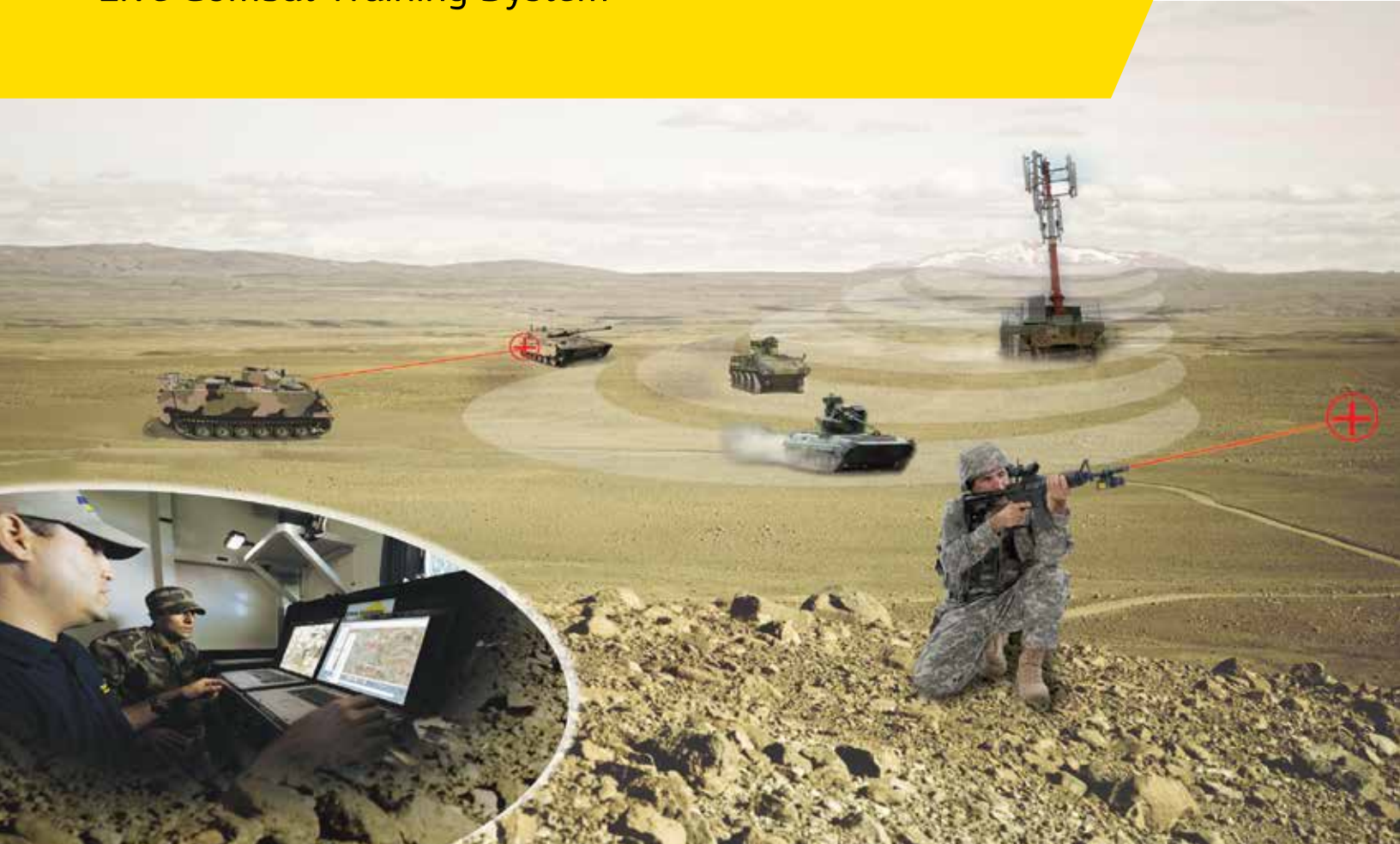


# Land Forces Training Systems

Live Combat Training System



# Live Combat Training System (LCTS)

Elbit Systems' Live Combat Training System (LCTS) provides a comprehensive solution for joint tactical force-on-force live training. LCTS offers a realistic, unified, live training environment, fully independent and easily deployable. The system enables efficient training in various terrains - including urban areas - without the need for any on-site installation.

The fully integrated training system combines laser suites for dismounted infantry and armored vehicles, independent broadband communication and control center capabilities.



## The utmost in realistic battlefield training

With true-to-life battlefield conditions, LCTS provides a high-fidelity replication of weapons and tactical engagements. Utilizing a unique combination of innovative technologies and advanced software, LCTS delivers an authentic arena environment.

### System Components

#### Control Center

- Advanced management and monitoring tools
- 2D and 3D display of the combat training area
- Wide range of simulated weapons, such as mortars, artillery and mines, as well as nuclear, biological and chemical events
- Scalable for up to 10,000 concurrent trainees, based on COTS hardware
- Interoperability with C4I systems and tactical communications

#### Communications Infrastructure

- Communications system for data, voice and video; supports any IP protocol
- Single piece of equipment for all player types and controllers
- Remote software and firmware updates
- Secure end-to-end data transfer

#### Player Unit Training Kit

- Advanced player unit computer
- Cutting-edge laser sensors
- Lightweight, Class I eye-safe multi-purpose laser emitter
- Audio and video interfaces
- Component connectivity via wireless PAN

#### Vehicle Unit Training Kit

- Advanced vehicle unit computer
- Independent wireless sensors, with a 360° range
- Ballistic laser emitter

#### Urban Training

- Complete solution for urban training without the need for complex on-site installation
- Automatic tracking of trainee position in urban areas when GPS is not available



# Land Forces Training Systems

## Live Combat Training System

### Technical Information

LCTS is a live training system providing true-to-life battlefield conditions and a high-fidelity replication of weapons and tactical engagements. Designed to provide the utmost in realistic battlefield training, the system combines innovative technologies and software resulting in an authentic arena environment.

### Major Advantages

- Lightweight eye-safe wireless laser emitters “one emitter approach” and sensors, with minimize interface with training and weapon systems
- Common components and interoperability throughout dismounted and mounted systems
- Complete solution for urban training using highly accurate system for soldiers tracking positioning
- Accommodates any training areas and number of trainees
- Cutting edge mobile communication providing data audio and video

### Key Features

- Mobile and stationary control center provides realistic simulation of both direct and indirect weapon effects, monitoring and analysis of training exercises
- Weapon effects simulation(WES) utilizes dry or blank shooting; adaptable to any weapon or platform
- Single laser emitter uses automated software controlled adjustable range (A-SCAR©) mechanism
- Deployable communication system suitable for any area size and any number of trainees
- Umpires acting as observers, controllers or mentors



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