

"THE WAY IS IN THE TRAINING"



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being there...

ZEN TECHNOLOGIES LIMITED

" T H E W A Y I S I N T H E T R A I N I N G "



Definition of ZEN

Zen (zen) n. [[Jpn <Chin *ch'an*, ult. <Sans *dhyāna*, thinking, meditation]] a variety of Buddhism, seeking to attain an intuitive illumination of mind and spirit through meditation.

- From webster's New World Dictionary

being there...

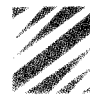
Our training simulators mimic situations realistically. The combat situations are patterned in such a way that the trainee benefits immensely. It is said that the best training is actual combat experience in a battlefield. Zen simulators artificially duplicate the actual combat scenarios so realistically that personnel trained get the feeling actually **being there...**





OUR PRODUCTS

ZEN has been at the forefront of applying new technologies and developing new products and is actively involved in indigenisation of technologies, which are helpful for Indian security forces and civilian simulation market.



ZEN ADVANCED WEAPONS SIMULATOR (ZEN AWeSim™)



ZEN has developed an advanced version of ZEN interactive Firearms Training Simulator called Advanced Weapons Simulator (ZEN AWeSim™). The simulator has been designed to impart training on various firearms in a simulated environment to hone the skills of the trainees. All types of direct firearms can be integrated including GLOCK, 9 mm Pistol, Revolver, .303 Rifle, INSAS 5.56 mm, 7.62 mm Rifle, AK-47, MP-5, AK-56, 7.62 Dragov Sniper Rifle, Sten Guns, Steyr, Musket, Carbine, LMG, Rocket Launcher, M16 A1 and M16 A4 and so on. The system simulates real world scenarios to boost confidence to face real world threats. The simulator provides an option of integrating untethered weapons which allows unparalleled freedom in weapon handling. The state-of-the-art 3D visualization software employed by ZEN AWeSim™ enables the trainees to practice firing in realistic projected terrains.



ZEN DRIVING SIMULATOR (ZEN DS)



ZEN Driving Simulator (ZEN DS) is a multi-station classroom driving training simulator. The basic system is configured with a single instructor station and one driver station. The driver station of the simulator is provided with actual controls and instrumentation along with a wide screen to display realistic driving scenarios. The instructor can control the sessions and driving exercises individually for each trainee and is able to monitor the trainees selectively or collectively. Customers have the option of adding up to 10 driving stations to one instructor station. The driver station is available as a light, medium or heavy vehicle station.



ZEN TACTICAL ENGAGEMENT SIMULATOR (ZEN TacSim™)



ZEN Tactical Engagement Simulator (ZEN TacSim™) provides realistic force-on-force live training to personnel ranging from individual skill training to platoon (company) level collective training. ZEN TacSim™ is modular and scalable and can meet the training needs up to brigade level. ZEN TacSim™ is available in three configurations viz. Basic, Medium and Advanced. The simulator is being manufactured by ZEN in technical collaboration with SAAB Training System, Sweden.



ZEN FORWARD OBSERVER SIMULATOR (ZEN FOS)



The Forward Observer Simulator manufactured by ZEN trains in acquiring and enhancing the skills of Forward Observers (FO) / Mortar Fire Controllers (MFC) in the techniques of engaging and effectively neutralizing mortar targets, besides imparting training to Mortar Position Controllers (MPC) and Mortar Detachment Numbers (MDN). The system is provided with instructor station, trainee station, sound simulation, FO/MFC equipment and Mortars (optional). The system facilitates in development of various skills for operators viz., FO/MFC, MPC and MDN. The system provides wide range of 3D scenarios for all types of terrain, variety of targets, effect of temperature, altitudes, smoke screen, flare patterns, environment effects (like clouds, fog, day/night) and generates realistic sound effects. It facilitates engagement of target by single or multiple fire units



ZEN TACTICAL RECONNAISSANCE SYSTEM (ZEN TReS)



ZEN TReS is a soldier wearable/mountable wireless reconnaissance system through which the soldier deployed in forward/threat perceived area can wirelessly transmit video, audio and text data to the command post to take decisions.

The system comprises of a light weight Manpack and a Base Station. The remote unit comprises of a control unit and camera mounted on helmet/shoulder/rifle, GPS receiver and communication equipment. The Base Station unit may be vehicle mounted and consists of a ruggedized laptop and communication equipment. The system has immense utility in intelligence gathering exercises. It can be deployed in operational role i.e., anti-terrorist operation. The ZEN TReS is also an invaluable tool for security agencies deployed in industrial and other environments.



RESEARCH & DEVELOPMENT

Zen accords high priority to relentless innovation in in-house research activities and is constantly engaged in the efforts to utilize available and emerging cutting edge technologies to develop simulators and related technologies. The Department of Industrial and Scientific Research (DSIR), Government of India has recognized Zen as an in-house R&D unit.

Zen's special strengths are its rigorous discipline in software development in the areas of

- Simulation Development
- Software Architecture & Design
- Software Development
- Software Testing & Validation

- Software Support & Maintenance

Products of in-house development efforts - Hardware

- Training Manoeuvre
- Target Database
- Scenario Simulation
- Target Allocation

Modules of in-house development efforts - Software

- Projectile Trajectory Module
- Guided Missile Motion
- Terrain and Target Database