JOINT COLLABORATION
CSIR- NAL and SDD, Indian Army

LOCATION OF BULLET ON TARGET SYSTEM USING

Precise and Perfect

Low cost and Ruggedized
Why LOBOTS?

Automated system to detect bullet using supersonic acoustic detection and localization of hits on target by acoustic time delay estimation methods.

Real time and precise system, catering for individual to tactical level of exercise settings.

INDIGENOUS

Tailor made for Indian Army with high degree of ruggedisation to meet Mil Grade Standards. Configured out of COTS item to ensure low post sale maintenance cost.

FEATURES

- Automated Range Control with database management
- Variable firing positions without any re-calibration
- Exercises as per SAO 12/S/85 and facility for user defined exercise setting
- Seamless wireless network with Ethernet enabled network
- Roaming Firing Point Officer (RFI) and Firer End Display Interface (FEDS)
- Interactive and User Friendly GUI
- Power on self diagnostic and real time diagnostic during the exercise
- Pop Up Target System with Self Healing Targets and simulation units for illumination, smoke and flash
- Unit Level Package for firer management and performance evaluation outside the range

SYSTEM CAPABILITIES

- Accuracy better than globally available systems
- Detection zone of 9 ft. radius from centre of target
- Wide Azimuth and elevation angles
- Hit localization by position of X & Y and velocity of projectile
- Varied categorization of shot as per performance i.e. Hit, Miss, Improper, Ricochet and Cross Shot
- Real time Performance evaluation
- Real time HAT analysis
- Interactive Grouping and Zeroing
- Simplified alignment procedure

For more information please contact:
Director, CSIR-National Aerospace Laboratories, PB 1779, HAL Airport Road, Bangalore 560 017, India.
Tel: + 91-80-25086000, 25270584; Fax: +91-80-25260862; E-mail: director@nal.res.in; www.nal.res.in