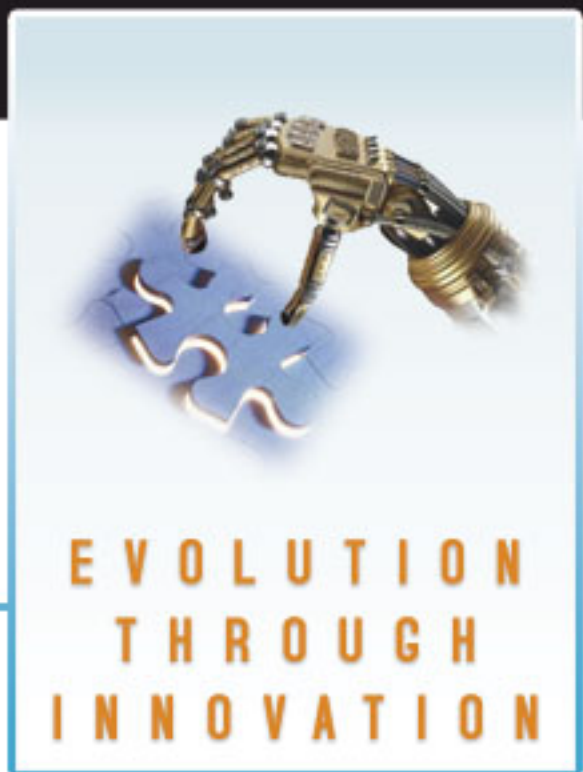


# TXSAR



Hi-Tech Robotic Systemz's unique robotic laboratory level platform, TXSAR (Tracked Small Obstacle Avoidance Robot) provides semi- autonomous capability which will serve for developing and testing specific algorithms for navigation, vehicle locomotion and path planning, obstacle avoidance, etc. in a laboratory environment.

## SYSTEM GUI

- Robot path view
- Radar/Joystick option
- Radar view
- Joystick view
- Battery status
- Wander & Avoid Obstacle
- Emergency stop button
- System Health Status

## SYSTEM CHARACTERISTICS

- GUI at OCU end interfaced
- Frequency hopping radio transceiver
- DC Motors
- Radars
- Encoders
- Battery
- Wireless



## TECHNICAL CHARACTERISTICS

- Controller Board
- Power Supply Board
- Motor Controller Board
- Radar Boards
- Radars
- Casings for radar boards
- Main Controller Board Cover
- Battery Cover
- Radar Ring
- Battery
- Fuse
- Top cover of the tank
- Turret

## BENEFITS

Need no intensive outdoor infrastructure for conducting tests and trials, and is most suitable for further in-house development of algorithms for navigation and optimization of path planning.

