

# Surveillance Exploration Reconnaissance Targeting (SERT) System



**Navantia**  
Systems



**1. Electro-optical battlefield surveillance and target location system:**

Allows day and night battlefield surveillance and target detection and identification. It's based on an EO system with latest generation passive (IR, Visible) and active (Laser) sensors. With integrated positioning sensors has the capability of automatic target geolocation improving precision and observer effectiveness.

On-vehicle and dismounted versions.



**Defence (Self-Protection)**



**Battlefield Surveillance and Target Location**

**2. Integrated defense (self-protection) system:**

Provides the vehicle with a self-protection system integrated with all other vehicle systems, avoiding the crew exposure to the vehicle outside.

Modular allows the installation of small caliber guns: 7.62mm and 12.70mm. All weather operation, with day and night infrared imagers. Improves precision with ammunition saving.



**Battlefield Management**



**Navigation and night driving**

**3. Navigation and Night Driving Aiding System:**

Designed to provide all weather vehicle operation, NAVANTIA-FABA's development is based on a high resolution uncooled thermal imager integrated with all other in-vehicle systems for safe driving in complete darkness.

It displays thermal vision with overlaid mission (route, waypoints, ETA, DTA) and vehicle information (vehicle systems alarms) to both Driver and Commander.

**4. Battlefield Management System:**

The battlefield management system provides mission specific tools (Artillery, Cavalry, Intelligence) and is completely integrated with all other SERT systems as well as with the Unit Command, Control and Communication system, avoiding unnecessary duplicities and providing safety redundancies.

SERT system highlights:

- Adaptable to any type of vehicle or mission.
- Modular open architecture enables other systems to be easily integrated, such as: ground radar, optical communications, optical equipment detection, R-ESM, C-ESM, etc.
- Easily integrated with new or existing Battlefield Management Systems.
- 24/7 (visible and infrared).
- High precision of own position and of friendly and hostile elements in the battlefield, all displayed on map overlays.
- Provides crew safety.