



Belgian Advanced Technology Systems

MSISS

MSISS



General

The MSISS system is an advanced decision-support tool for commanders in the field which provides a real-time situation awareness picture of the theater and mission tasking recommendations.

A variety of ground-based and airborne surveillance sensors, distributed to cover all areas of interest, operated locally or remotely, are monitoring activities and locations of all forces operating in the arena and reporting this data to the Command & Control Intelligence Center (C21).

By fusing the data intercepted from all the sensors, a real-time situation awareness picture is created. Now, the commanders can get all the intelligence they need to stop and deter every threat.

Features

- Creation of a real-time situation awareness picture
- All sensors controlled by one operator
- Generic integrated Work Station with advanced HMI
- Advanced data fusion reduces operator's workload
- Planning of surveillance missions over areas of interest
- Surveillance mission management/Sensors management by one operator
- Dissemination of intelligence reports including recommendations for actions and reactions, relying on history
- Post mission analysis and history replay

MSISS Subsystems

- Command & Control Intelligence Center (C21), fixed and/or mobile
- Integrated work Station for efficient decision-taking process
- System Sensors:
 - Movement detections radars, providing MTI/GMTI (ground-based and/or airborne)
 - Electro-Optical, day and night, imaging sensors (ground-based and/or airborne)
 - Airborne Imaging Radars - SAR
 - COMINT/DF sensors (ground-based)
 - Vibration sensors (ground-based)
 - Coastal surveillance radars
- Communications (optional) : Tactical, Data Link, SATCOM