



## Air Surveillance Sector Operating Center



Air surveillance sector operating center represents a base component of integrated radar network of the Serbian Armed Forces. Main purpose of Air Surveillance Sector Operating Center is to acquire radar target data from all connected sensors, fusion them into unique synthesized air situation stream and automatically/manually perform identification of aircrafts in Serbian Air Space. Designed to support chain of command, the system includes tools for tactical situation assessment and operation planning.

Air Surveillance Sector Operating Center is intended to meet all modern army requirements for efficient control of air situation, guidance of military aircrafts, as well as keeping track of the Air Force and Air Defense unit operational state and weather conditions information. Air Surveillance Sector Operating Center represents fully automated air defense core component developed by a concept of modular design to achieve an easy upgrade for future purposes.

### TECHNICAL CHARACTERISTICS:

Distance range of Air surveillance	1.000 x 1.000 km
Number of radar sensors	> 50
Communication protocols supported	UDP/IP, TCP/IP, Sync/Async serial RS-232
ASTERIX data exchange protocols supported	CAT 001/002, CAT 008, CAT034/048, CAT 062, CAT 019, CAT 020, CAT 023
NATO data exchange protocols supported	LINK 1
Native data exchange protocols supported	Custom national type
EUROCONTROL information exchange	AMHS network with automated aircraft identification
Maximum simultaneous target track	> 1000
Ground → Air radio communication	Remote control of distant ASELSON ground → air radio transceivers
Domestic military aircraft guidance	Up to 6 simultaneous ground controller and interceptor (GCI) guidance

