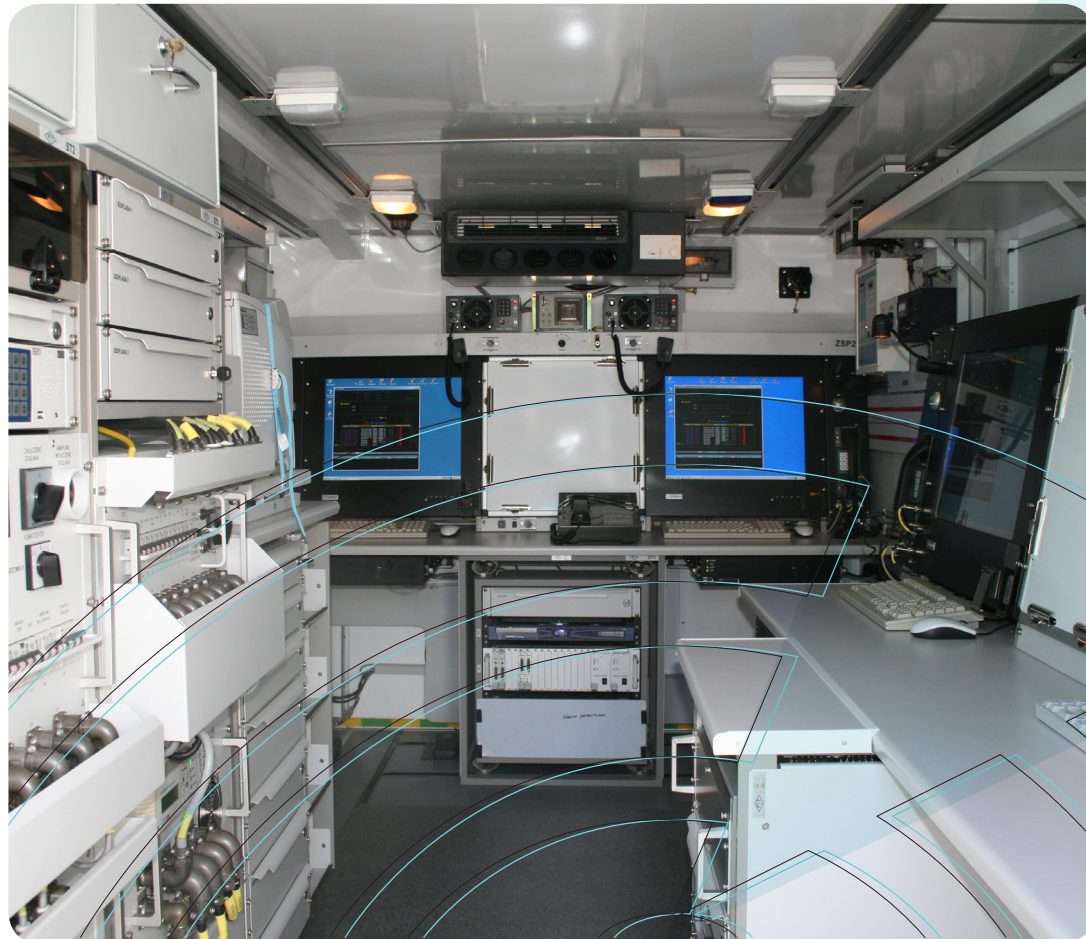




SDP-20 SAMOC

Air Defense Command Post

The SAMOC System is a mobile air defense brigade-level command and control post which provide both capability to command and control legacy post-Soviet SAM launchers (2K11 Krug/SA-4 Ganef, or S-125 Neva/SA-3 Goa etc.) and interoperability with NATO systems.



Advantages:

- current estimation of air situation
- minimizing the reaction times

Basic functions of the SAMOC include:

- planning of air defense cluster and SAM units deployment,
- subordinated units RAP-based fire control,
- threat evaluation and recommendations for optimal weapon assignment,
- real-time monitoring of the combat units status.

SAMOC is a mobile system, installed in containers on basic vehicle, providing:

- power supply,
- air-conditioning, heating, ventilation,
- EMP protection,
- automatic fire and radiation detection.

SAMOC has four operators' stations.

Cluster planning	
Radar and SAM coverage calculation	target detection areas correlated with terrain profile (altitudes depicted by colours) analysis based on digitized terrain model (DTED), target size (RCS), radar parameters
Terrain analysis	digital data sources (elevations and maps) DTED, CADRG supported searching for specified terrain forms (hills, valleys)
Command and control	
Tasking to subordinated units	LAP preparation and distribution threat evaluation and response option recommendation fire control monitoring of reports
Co-operation with superordinate units	receiving of the combat requirements and RAP reporting
Simulation and training	
Fire units modeling and simulation	
Air picture simulation	planning the raid and replaying recording the training session and replaying
Interfaces	
E-mail (E/SMTP), fax or MTF file exchanging of formalized documents (ADatP-3 format)	ACO, CMO, ATO COVREP, MCP, MEO, SSTO, SSREP, MWO
Air picture data exchange via protocols	ASTERIX LINK-11B
Combat command and control based on	LINK-11B XDR messages through WAN