KORAL 23-LT

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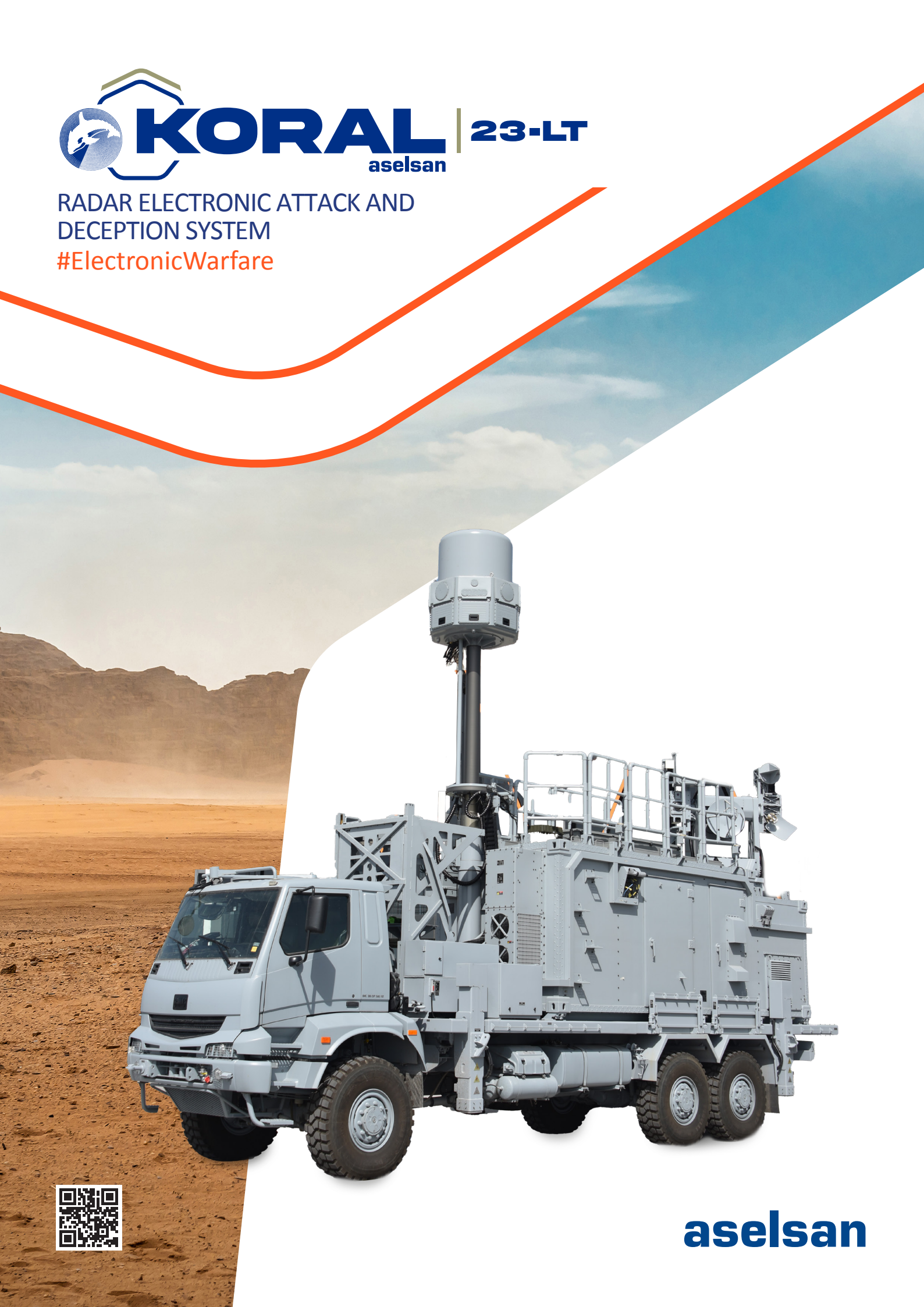
RADAR ELECTRONIC ATTACK AND DECEPTION SYSTEM

#ElectronicWarfare



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RADAR ELECTRONIC ATTACK AND DECEPTION SYSTEM

KORAL 23-LT is a tactical field training system simulator designed for training of Radar, Electronic Warfare and Communication operators.

- With Electronic Support (ES) and Electronic Attack (EA) capabilities, it allows to understand and analyze the electronic order of battle.
- It provides training, by using EA capabilities, in order to reduce or prevent threat factors to use Electromagnetic Spectrum
- Under various circumstances, it allows to review how to use ES and EA systems in a tactical field.
- It allows to understand the main purposes of Electromagnetic Spectrum Operations and its strategic importance.

KORAL 23-LT is designed as a single system where both Radar and Communication ES and EA capabilities interoperate. General functions of the subsystems (working together in a single shelter) composing the KORAL 23-LT system are as follows:

Radar Electronic Support Subsystem (RADED) is a subsystem which detects radar systems (including modern radars) in the inventory and provide the necessary parameters for the application of Electronic Attack to the radar systems (including modern radars) in the inventory.

Radar Simulator Subsystem (RADSIM) enables the training of the target platform operational staff and RADAR ES operators by simulating the electromagnetic radiation of the threat radar system.

Radar Electronic Attack Simulator Subsystem (RETSIM), enables the training of radar operators on electronic counter measure techniques by applying various predefined or user-programmable electronic attack techniques.

Communication Electronic Support Subsystem (MEDSIS) enables make detection in communication band, provide and transfer necessary parameters to KORAL 23-LT METSİM for the application of Electronic Attack techniques.



Communication Electronic Attack Subsystem (METSIM) is a subsystem which enables the training of communication operators under the jamming and deception conditions and enables the evaluation of the jamming and deception techniques developed for threat / target communication systems.

Stabilized Target Tracking System (SHTS), is composed of Stabilized Directional Antenna Platform (SDAP) and Target Tracking System (TV-IR camera and DF antennas) which is installed on SDAP. SDAP is used for steering the TV-IR system, DF Antennas, RADSIM and RETSIM antennas to the target and tracking the target. STTS is also performing auto target tracking ability with the TV and IR cameras.

Main Features

- Two Interchangeable Operation Consoles
- Operation on Naval (helicopter deck) and Land (6x6 land platform)Platforms
- Suitable for Tactical Environments
- Automatic Antenna Elevation Structure
- Detailed Built in Test
- Operation Capability with Multifunction System Structure in a Single Shelter
- Pre-Mission Planning Software
- Post-Mission Record Analysis Software
- Target and Jamming Technique Libraries

Radar ES and EA Capabilities

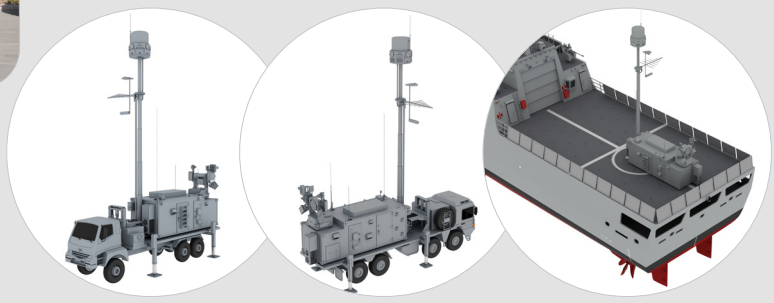
- Steerable Turret for Mobile Target Tracking with Optical Sensor and Radar ES
- Auto Target Tracking with the RADAR ES System or the Cameras
- Jamming During Target Tracking with Radar EA on a Turret structure
- High Parameter Measurement Accuracy (RF, PRI, PW, DOA)

Communications ES and EA Capabilities

- Spectrum Search, Signal Detection, Spectrum Monitoring, Narrow Band Digital Recording, Narrow Band Signal Analysis
- Effective Jamming Against Target Communication Systems
- Deception: Analog Deception Resources (Microphone, Recorded Voice, Recorded IF)

Environmental Conditions

- Operating Temperature : -30 ° / + 50 ° C
- Storage Temperature : -30 ° / + 60 ° C
- Humidity : 90% (Non-Condensing)
- System/Unit Design to Comply with MIL-STD-810F and MIL-STD 461/464 Military Standards for Naval and Land Platforms



Specifications are subject to change without any notice. | All tolerances are within ±10%.

REHİS - KORAL 23-LT - 06.2025

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