



ADVANCED CENTRIC SYSTEMS B.V

Sea / Air/ Land

## MEWAD-ATCRS

# MOBILE EARLY WARNING, AIR DEFENSE & AIR TRAFFIC CONTROL RADAR SYSTEM



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### THE PROBLEM

Constant, reliable airspace management is a mandatory prerequisite for national security and safe air transportation wherever air traffic exists.

One of the fundamental requirements for effective airspace management, safe, efficient Air Traffic Control (ATC) and solid air defense is a Radar system capable of fulfilling and supporting the ATC, early warning and air defense functions by providing a complete, detailed and current picture that includes every single airborne object within the airspace being covered

## THE SOLUTION

ACS presents MEWAD-ATCRS – Mobile Early Warning, Air Defense & Air Traffic Control Radar System.

MEWAD-ATCRS is a cutting-edge S-band long-range mobile 3D Radar system designed to fulfill all three functions – ATC, early warning and air defense.

MEWAD-ATCRS offers long-range, high-resolution Radar coverage with advanced ECCM features and integral IFF (SSR) option. The IFF (SSR – Secondary Surveillance Radar) element interrogates each and every target so as to obtain all relevant data and assemble a complete, highly detailed aerial picture.

Incorporating a high redundancy configuration of multiple transmitters and receivers, MEWAD-ATCRS offers high availability and reliability levels and graceful degradation.

MEWAD-ATCRS offers excellent coverage as a stand-alone Radar and can also be integrated in a comprehensive air-defense setup

## CONFIGURATION

The medium range configuration of MEWAD-ATCRS is the mobile, rapid deployment version. It consists of a unified trailer that contains the control cabin, a folding antenna and all hardware. The antenna in this configuration consists of 32 row elements. The mobile version is air transportable (compatible with such transport aircraft as the C-130).

The extended range configuration of MEWAD-ATCRS is intended for stationary installations. The antenna in this configuration consists of 60 row elements.

## KEY FEATURES & MAJOR ADVANTAGES

- Long-range S-band early warning, air traffic control & air defense Radar system

- Can detect all aerial targets, including ballistic missiles
- Stationary installation and mobile/rapid deployment configurations
- Pulse-Doppler operation
- Unified trailer unit contains control cabin, antenna and all hardware
- IFF/SSR (Secondary Surveillance Radar) option
- Ground (road) & air transportable
- State-of-the-art ECCM features
- May be operated locally (through unified trailer) or remotely
- Specifications:
  - Range: 480 km
  - Azimuth: 360 degrees
  - Elevation: 30 degrees
  - Height: up to 100,000 feet
  - Detection range, medium range configuration: >300 km (fighter aircraft target)
  - Detection range, extended range configuration: >430 km (fighter aircraft target)

