



***Ability to elevate a radar of up to 2 ton 20 metres up***

***The autonomic driven system enables a flexible deployment***

***A considerable stiffness of the system minimizes the oscillation of the mast***

***Complies with the road regulations in EU***

## ***RADAR ELEVATED MAST SYSTEM REMS***

**The Radar Elevated Mast System is a mobile electrically driven telescopic mast with the ability to elevate a radar of up to 2 ton 20 metres up.**

The elevated platform can integrate radars, a combination of different sensors or a missile platform and by this provide the operational users a longer range, extreme mobility and highly reliable integrated solution.

The aim to protect the soldiers is a vital task in all missions. The REMS enables a flexible deployment of a battlefield surveillance

radar. The system can be placed in locations like Main Operating Base (MOB) or a Forward Operating Base (FOB) or even temporarily in the terrain during deployment.

The combination of efficient radar or other sensor systems with the ability to elevate their line of sight up to 20 metres provides the soldiers with very capable countermeasures against the most widespread threats.

## GENERAL FEATURES

A mobile 20 metres elevated platform with up to 2 ton payload. Interfaces for mounting of Radar, Sensors, and Missile Platform. The integrated system can be mounted on a trailer or a truck. Autonomous; the system has own APU and handling system with manual backup.

- Lifting height 18-20 m
- Payload up to +2000 kg
- Self-propelled
- Power outlet 28VDC & 230 VAC
- Fully electro mechanical system
- Cable/harness inside mast
- Interface for Radar, Sensors, Missile, Platform etc.
- Interface compensated for oscillation
- Setup time is less than 15 minutes

## DIMENSIONS

- Max 4500 kg towable weight
- Off road clearance 400 mm
- Length < 10 m
- Width < 2.55
- Height < 4 meter
- Line of sight 20 meter

## PAYLOAD

As shown in the pictures:

A Self-propelled elevated mast with Sentinel Radar (AN/MPQ-64F1). In this configuration the radar can be used for ground surveillance against airborne threats, battlefield surveillance and coordinating missions.



## ENVIRONMENTAL

Operational temperature range: -32°C to +55°C

## OPTIONS

- Elevation up to 24 metres
- Ballistic protection enhancements
- Test equipment
- Failure Modes, Effects and Criticality Analysis (FMECA)
- Spares management system
- Integrated Logistic Support

Approved Quality Management System



## THE REMS HAS BEEN DEVELOPED IN CLOSE COOPERATION WITH THE OPERATIONAL USERS AND GUARANTEES AN EFFICIENT DEPLOYMENT.

The REMS is mounted on a trailer but can be customized to be integrated on to a truck. The mast design enables a stabilized platform on even a 10 degrees slope with no guy-wires. Cable harness to payload is integrated inside the mast.

In the trailer configuration, the REMS can be driven autonomously using its onboard auxiliary power unit (APU) and hereby be positioned in both urban and wooded areas. The down force on each supporting leg is automatically monitored and can be individually adjusted.

The mast system can be operational in short time from deployment to emplacement by a two person crew. There is no need for any additional special ground handling equipment. The telescopic mast and supporting legs are electrically driven.



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