PRIMARY SURVEILLANCE RADAR FOR AIR TRAFFIC CONTROL

- Answers to the Complex ATM environments: Windfarm energy, 4G communication and UAVs deployment
- Adequacy with dual use ATC requirements: Altimetry, Slow/Fast/Small targets detection, Information Systems Security and Frequency agility / ECCM
- Best operational Value: Excellent detection and Optimized life cycle cost
- Easy Maintenance: Industrial Remote Access and Optimized Design
- Stand-alone or co-mounted with Thales or third party secondary radar

AEROSPACE

STAR NG
S-Band PSR for approach and extended approach control area
**AEROSPACE**

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S-Band PSR for approach and extended approach control area

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**KEY BENEFITS**

- Complex ENVIRONMENTS
- **DUAL USE** Features
- **COMPETITIVE** Edge
- Easy MAINTENANCE
- SITE Oriented

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**FIRST SIGNIFICANT REFERENCE**

MARSHALL project for UK MOD

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**CHARACTERISTICS**

Estimated detection range on small targets (public information)

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**SYSTEM PARAMETERS**

- **Frequency Band**: 2.700 to 2.900 MHz
- **Power Configuration**: 4 / 8 / 16 Tx Modules
- **Rotation Speed**: 15 / 12 / 10 rpm
- **Range Detection**: 0.2 NM to 60 / 80 / 100 NM
- **Accuracy (Standard deviation)**
  - Range: < 50 m
  - Azimuth: < 0.15°
- **Radar Resolution**
  - Nominal 3 dB [compressed] Pulse Width: < 50 m
  - Nominal 3 dB [one-way] Beam Width: < 1.4°
- **Discrimination (at 80%)**
  - Range: < 140 m
  - Azimuth: < 2.6°
- **MTBCF**: > 47 500 h
- **MTTR**: < 24 min
- **Inherent Availability**: 99.999 %

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