With this newest member of the S-band AESA radar family, Thales has expanded the dual axis multi-beam principle to the ground domain. This radar technology significantly enhances situational awareness in the ground environment. The Multi-Mission Radar (MMR) is the most flexible radar on the market today. It allows a wide range of operational missions, all in one single mode.

4D AIR SURVEILLANCE AND WEAPON LOCATING
- Automatic detection and tracking of a large variety of air targets in one single mode of operation
- Future Proof
- Flexible Multi-Mission Solution
- High Mobility and Transportability

MULTI-MISSION RADAR
All in One Superior Performance
MMR
All in One Superior Performance

AUTOMATIC DETECTION AND TRACKING OF A LARGE VARIETY OF AIR TARGETS IN ONE SINGLE MODE OF OPERATION
The dual axis multi-beam radar concept enables automatic detection and tracking of a large variety of air targets in a single mode of operation. Detection beams are simultaneously positioned in azimuth as well as in elevation direction. By forward and backward scanning the MMR enhances various functions such as UAV detection, target engagement support, point of origin and impact detection and kill assessment for surface based Air Defence applications.

FUTURE PROOF
The fully software based digital radar concept allows flexible and adaptable waveform generation, changeable instantaneously for dedicated transmissions. This results in highly optimized performances for both rotating and staring operations. The programmable AESA radar is fully flexible; new capabilities can be introduced according to customer needs without the need for major overhaul or service periods. This makes the system future proof for evolving requirements due to chances in military operations and threat.

FLEXIBLE MULTI-MISSION SOLUTION
The modular MMR supports a wide variety of operational missions. The system fulfills the latest requirements for the following missions:
- Air Surveillance
- Air Defense
- Weapon Locating
- Maneuver Support
- Compound Protection
- Homeland Security
The flexible and open radar architecture enables connection to local and remote workstations.

MAIN FEATURES
- Dual axis multi-beam with instantaneous mono-pulse accuracy in azimuth and elevation
- Instantaneous Doppler processing for the full range, azimuth and elevation coverage
- Rotating and staring capability
- Fast track initiation
- Active tracking for high priority targets
- Dedicated EPM techniques
- High MTBCF and graceful degradation
- Standard interface for ease of integration
- Very short deployment and march order times
- High mobility and air transportable
- Low weight
- Unmanned and remote operation
- Prime mover (vehicle) independent

<table>
<thead>
<tr>
<th>Performance</th>
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<tbody>
<tr>
<td>Maximum instrumented range</td>
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<td>Minimum Range</td>
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<th>Specifications</th>
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<td>Antenna Type</td>
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