








Lockheed Martin Sentinel A4

ADVANCED RADAR FOR TODAY'S THREATS WITH GROWTH
CAPABILITIES TO STAY AHEAD OF TOMORROW'S FIGHT



RADAR DRIVERS	FEATURES of Sentinel A4	BENEFIT of Sentinel A4
Air Defense over 360° (Fixed Wing, Rotary Wing, Unmanned Aerial Vehicles, Cruise Missiles)	 75% Increase in Range over legacy; Full Hemisphere Coverage	<ul style="list-style-type: none"> • Modern Digital Active Electronically Scanned Antenna Architecture Enables Efficient Volume Coverage Specifically Designed for Required Mission
Added Mission Capabilities	 Air Defense Mission Performed with Rocket, Artillery, and Mortar Defense; AESA allows for true Stop-and-Stare Search & Track	<ul style="list-style-type: none"> • Single Mode Counters All Threats in Mission • Point Of Impact Performed Simultaneous to Air Defense Mission • Full Hemispherical coverage in Rotate or Stop & Stare
Advanced Threats in Adverse Environments	 Advanced Electronic Protection and Dedicated Operations not only improve legacy system, but significantly enhances resilience in contested environments	<ul style="list-style-type: none"> • Distributed AESA enables Detection of Small Targets in Dense Clutter and Electronic Attack Environments • Advanced Waveforms performed without sacrificing search and track performance
Growth Capability & Architecture Flexibility	 Flexible Open HW / SW Architecture; Additional 30% Range Increase with Full AESA Population	<ul style="list-style-type: none"> • Flexible and Scalable Signal and Data Processor and Digital AESA Enables Significant Capability Expansion • Additional AESA Population Available for Increased Range and / or Added Simultaneous Functions
Performance vs. Cost	 5 Engineering Manufacturing Development Systems Delivered 5 User Operational Evaluation Systems in Production Advanced Modern Digital AESA Radar	<ul style="list-style-type: none"> • Low Cost / Commercial Off-the-Shelf-based Radar System Enables Best Balance of Capability and Price
Mobility	 Towed Package, Mounted on 5 Ton FMTV Trailer	<ul style="list-style-type: none"> • Supports Air, Sea, Helo, Highway, Rail and Organic Offroad Transport; Separable Radar Payload
Reliability/Maintainability	 Minimal Line Replaceable Unit Types Graceful AESA Degradation	<ul style="list-style-type: none"> • Robust Design with Highly Distributed AESA Architecture allows Failures without loss of Mission Effectiveness