U.S. Army’s Sentinel A4 Radar Program Quickly Achieves Key Milestones

Lockheed Martin’s open scalable radar architecture a critical factor in meeting aggressive schedule



Sentinel A4 Array Subsystem.
Photo Courtesy: Lockheed Martin

SYRACUSE, NY, April 30, 2020 – Just four months after the initial contract award, the U.S. Army’s Sentinel A4 radar program already achieved several key milestones. In January, the U.S Army approved the program’s Systems Requirement Review (SRR), Systems Functional Review (SFR), and the Preliminary Design Review (PDR) for one of the subsystems.

“Traditionally, the SRR and PDR take place several months apart, but thanks to Lockheed Martin’s (NYSE: LMT) preparation, investment and our technically mature radar solution, we are able to support the Army’s need to field the system more rapidly,” said Mark Mekker, director, Lockheed Martin Army radar programs. “We have achieved every milestone while working on a very aggressive timeline in order to deliver the radar on schedule.”

Lockheed Martin’s open scalable radar architecture is the cornerstone of the radar system’s design and will allow for future upgrades that not only extend the life of the radar, but address threats to our warfighters that will evolve over the next 40 years.

The U.S. Army awarded Lockheed Martin a $281-million contract to develop the Sentinel A4 system in September 2019. The new air and missile defense radar will provide improved capability against cruise missiles, unmanned aerial systems, rotary wing and fixed wing, and rocket, artillery, and mortar threats.

The radar will also provide enhanced surveillance, detection, and classification capabilities against current and emerging aerial threats in order to protect U.S. Army maneuver formations and high-value static assets to include: command and control nodes, tactical assembly areas and geo-political centers.

Proven Radar Experience

With broad and deep experience developing and delivering ground-based radar solutions to our customers, our high-performing, high-reliability, solid state radar (SSR) systems specialize in counter target acquisition, early warning, situational awareness, and integrated air and missile defense. Our radars are designed with the highest degree of commonality and fully integrated SSR systems. They can operate in all environments, are available in highly mobile configurations, and are deployed worldwide. It’s why Lockheed Martin’s ground-based radars are the choice of more than 45 nations on six continents.

About Lockheed Martin

Headquartered in Bethesda, Maryland, Lockheed Martin is a global security and aerospace company that employs approximately 110,000 people worldwide and is principally engaged in the research, design, development, manufacture, integration and sustainment of advanced technology systems, products and services.

---

https://news.lockheedmartin.com/us-armys-sentinel-a4-radar-program-quickly-achieves-key-milestones?_gl=1%2Aaisr0z%2A_ga%2ANTMxMDI2NDA3LjE2MjI2NDc1NDI.%2A_ga_RN6SVSR76N%2AMTY1MjcxOTEzNi4yMzMuMS4xNjUyNzIzODQ4LjA.&_ga=2.84586204.458354351.1652713195531026407.1622647542&_gac=1.185672283.1650973127.CjwKCAjwsJ6TBhAIEiwAfI4TWIRb0L6vcJMXZiQ0PZov1o3z20yme3zKmNg6FyDZ7CuOZjgKUqQ-mRoCy3sQAvD_BwE