

Military Aperture Antenna Market Demand For Defense Satellite Communication Equipment By 2030

PORTLAND, ORAGON, UNITED STATES, September 16, 2022 /EINPresswire.com/ -- The global military aperture antenna market is experiencing a significant growth due to increasing demand for antennas with long-range capabilities for defense applications. Military antenna is a component of communication devices used in military aircrafts, naval vessels, unmanned aerial aircrafts, and armored vehicles, among others, which convert radio frequency fields into alternating current with the help of transducer and vice-versa. Aperture antennas constitute a large class of antennas, which emit EM waves through an opening (or aperture) and are commonly used at ultra-high frequency (UHF) and above where antenna sizes are relatively small. Antenna type & size can vary depending on the frequency used by antenna as well as system in that antenna is installed.

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Surge in military expenditure, increase in demand for defense satellite communication equipment, and rise in adoption of multifunctional radars are the factors that drive the global military aperture antenna market. However, high cost involved in the development hinders the market growth. On the contrary, advancements in drone technology and development of various antennas such as microstrip, metamaterial, and plasma antenna present new pathways in the industry.

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Recently, in 2020, Comtech Telecommunication Corporation (satellite telecommunications company headquartered in New York, US) was awarded a 12.5 million USD order from US-based integrator Strategic Communications to provide very small aperture terminal (VSAT) satellite terminals to support secure communications for an unnamed US government end-user. Tempe (Comtech's Arizona-based subsidiary), Comtech EF Data Corporation (Comtech subsidiary specializing in communication equipment), also received a 1.7 million USD order for engineering services from Hughes Network Systems (high-speed satellite internet service provider headquartered in Maryland, US) to support its ongoing data link modernization (DLM) contract and provide new satellite communications systems for the US Army's MQ-1C Gray Eagle

unmanned aircraft system (UAS). MQ-1C Gray Eagle is a medium-altitude, long-endurance unmanned aircraft system developed by General Atomics Aeronautical Systems for the US Army Under the development and prototype phase of the sub-contract with Hughes, Comtech EF Data would provide advanced engineering services, including porting of waveforms to the prime contractor's airborne and ground-based satellite modems and support for stringent US Army cyber security requirements. Such demand for defense satellite communication equipment is expected to drive the global military aperture antenna market.

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Key benefits of the report:

This study presents the analytical depiction of the global military aperture antenna industry along with the current trends and future estimations to determine the imminent investment pockets.

The report presents information related to key drivers, restraints, and opportunities along with detailed analysis of the global military aperture antenna market share.

The current market is quantitatively analyzed from 2020 to 2027 to highlight the global military aperture antenna market growth scenario.

Porter's five forces analysis illustrates the potency of buyers & suppliers in the market. The report provides a detailed global military aperture antenna market analysis based on competitive intensity and how the competition will take shape in coming years.

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Questions answered in the military aperture antenna market research report:

Which are the leading market players active in the military aperture antenna market? What are the current trends that will influence the market in the next few years? What are the driving factors, restraints, and opportunities in the market? What are the projections for the future that would help in taking further strategic steps?

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