

# Low Altitude Defense Radar Market 2025-2029: Unveiling Growth Developments with the Latest Updates

*The Business Research Company's Low Altitude Defense Radar Global Market Report 2025 – Market Size, Trends, And Forecast 2025-2034*

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/EINPresswire.com/ -- What Is The Expected Cagr For The [Low Altitude Defense Radar Market](#) Through 2025?

The market size for low-altitude defense radar has seen a robust increase in previous years. It is projected to expand from \$12.78 billion in 2024 to \$13.91 billion in 2025, boasting a compound annual growth rate (CAGR) of 8.8%. The past growth can be linked to the escalating demand for

airspace monitoring, greater implementation for border protection, heightened focus on anti-drone defense, amplified surveillance coverage, increased military base deployment, and a surge in the necessity for low-altitude threat detection.

The market size of low-altitude defense radar is projected to experience significant expansion in the coming years, with its value forecasted to reach \$19.25 billion by 2029, growing at a Compound Annual Growth Rate (CAGR) of 8.5%. The projected growth across the forecast period can

be credited to increased capital infusion in advancements of radar technology, amplified emphasis on real-time threat evaluation, growth in complex defense systems and escalating use in city defense frameworks. Key trends dominating the forecast period encompass progressive developments in radar signal processing, breakthroughs in improving the detection range, R&D activities in the field of radar miniaturization, advancements in automated tracking systems, and investments in linking radar systems.

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### What Are The Driving Factors Impacting The Low Altitude Defense Radar Market?

The anticipated growth of the low-altitude defense radar market is tied to escalating geopolitical tensions. These tensions, spanning conflicts, disagreements and rivalries from territorial to strategic interests, occur between nations or regions. The uptick in these geopolitical tension instances, primarily due to territorial disagreements that pose threats to national sovereignty and supremacy over strategically vital zones, fuels this anticipated growth. The significance of low-altitude defense radar lies in its early detection and tracking features for low-height flying menaces, proving essential in protecting crucial infrastructure and populous regions. They enhance defensive readiness and situational awareness by swiftly assessing and intercepting threats thereby shortening response times. As an illustration, the U.S. Department of Homeland Security, a U.S. federal agency, recorded a surge in migrant encounters at the US-Canada border in October 2024. The encounters increased to over 181,000 in 2024, up from 170,000 in 2023 – a rise of 6.5%. As such, the evolving geopolitical landscape continues to be a driving force for the low-altitude defense radar market's expansion.

### Which Players Dominate The Low Altitude Defense Radar Industry Landscape?

Major players in the Low Altitude Defense Radar Global Market Report 2025 include:

- Airbus Defense And Space SA
- Raytheon Technologies Corporation
- Lockheed Martin Corporation
- General Dynamics Corporation
- Northrop Grumman Corporation
- Honeywell International Inc.
- BAE Systems plc
- Thales SA
- L3Harris Technologies Inc.
- Leonardo SpA

### What Are The Upcoming Trends Of Low Altitude Defense Radar Market In The Globe?

Leading companies in the low-altitude defense radar market are striving to create cutting-edge solutions like low-altitude multifunction radar intended to enhance detection, tracking, and situational comprehension against UAVs and low-flying aircraft. A low-altitude multifunction radar is a radar system with multi-purpose functionality, including surveillance, tracking, and target identification, specifically designed for detecting and mitigating threats at low flight altitudes. A prime example of this is Aselsan A.Ş., a Turkish defense electronics company, which launched its new low-altitude ALP Radar in December 2023. This radar system integrates superior AESA S-band technology with a range over 200 km and the capacity for quick deployment on a mobile 8x8 platform. It is engineered to detect and monitor fighter jets, helicopters, UAVs, cruise missiles, and ballistic threats at low, medium, and high altitudes. It provides a crucial solution for air defense, backing both early warning and close-in C-RAM operations. Its exclusive weapon-locating mode facilitates the computation of firing and impact

points, which in turn assists counter-fire missions and strengthens airspace security for Turkey's military forces.

### Global Low Altitude Defense Radar Market Segmentation By Type, Application, And Region

The low altitude defense radar market covered in this report is segmented

- 1) By Component: Hardware, Software, Services
- 2) By Platform: Ground-Based, Airborne, Naval
- 3) By Range: Short Range, Medium Range, Long Range
- 4) By Application: Surveillance, Threat Detection, Target Tracking
- 5) By End User: Military, Aerospace, Defense Contractors

### Subsegments:

- 1) By Hardware: Antenna Systems, Transmitter Units, Receiver Units, Signal Processors, Power Supply Units, Cooling Systems
- 2) By Software: Radar Signal Processing Software, Target Tracking Software, Threat Analysis Software, Simulation And Modeling Software, Control And Monitoring Software
- 3) By Services: Installation Services, Maintenance Services, Training Services, Consulting Services, Upgradation Services

View the full low altitude defense radar market report:

<https://www.thebusinessresearchcompany.com/report/low-altitude-defense-radar-global-market-report>

### Which Region Holds The Largest Market Share In The Low Altitude Defense Radar Market?

In 2024, North America held the dominant position in the low-altitude defense radar global market. However, the most rapid growth is forecasted for the Asia-Pacific region. This market report includes data for the regions of Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, and Africa.

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