

The Global Automated Aerial Refueling System Market is projected to exceed \$1.2 billion by 2030.

*The Business Research Company's
Automated Aerial Refueling System
Global Market Report 2026 – Market Size,
Trends, And Forecast 2026-2035*

LONDON, GREATER LONDON, UNITED KINGDOM, October 12, 2026 /EINPresswire.com/ -- The [automated aerial refueling system market](#) is becoming increasingly significant as militaries and defense organizations seek enhanced operational capabilities for their aircraft. With technological advancements and rising demand for extended flight endurance, this sector is set to experience notable growth in the coming years. Let's explore the current market size, driving factors, regional outlook, and key trends shaping this evolving industry.

[Automated Aerial Refueling System Market Size](#) and Growth Outlook

The automated aerial refueling system market has seen rapid expansion recently. It is projected to increase from \$0.76 billion in 2025 to \$0.84 billion in 2026, reflecting a compound annual growth rate (CAGR) of 10.1%. This growth in the past has been driven by factors such as the need for longer aircraft endurance, increased military aerial missions, wider adoption of unmanned aerial vehicles (UAVs), enhanced safety in mid-air refueling, and ongoing upgrades to defense aircraft fleets.

Download a free sample of the automated aerial refueling system market report:

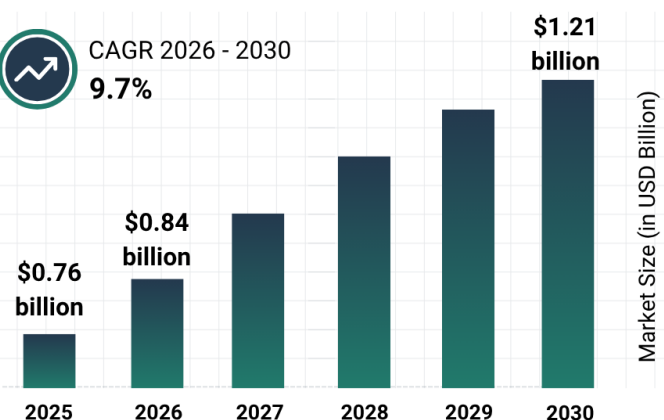
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Automated Aerial Refueling System Market Report 2026

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CAGR 2026 - 2030
9.7%



Automated Aerial Refueling System Market Report

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Looking ahead, the market is expected to maintain strong momentum, reaching \$1.21 billion by 2030 with a CAGR of 9.7%. This future expansion will be supported by rising demand for fully autonomous refueling systems, efforts to reduce pilot workload, the growing use of unmanned combat operations, the need for precise aerial refueling, and growing defense investments in autonomous aviation technologies. Key trends anticipated during this period include greater implementation of automated refueling alignment, precision fuel transfer controls, autonomous refueling mission management, reliable in-flight fuel transfer, and the adoption of automated training and simulation tools.

Understanding Automated Aerial Refueling Systems and Their Functionality

Automated aerial refueling systems represent sophisticated aviation technologies that allow fuel transfer between aircraft through automated or semi-automated processes, eliminating the need for continuous manual control. These systems rely on advanced sensors, control algorithms, communication networks, and precision guidance systems to properly align aircraft, manage fuel flow, and enhance the safety, efficiency, and dependability of in-flight refueling operations. By enabling longer mission endurance and greater operational flexibility, these systems significantly improve overall mission success.

View the full automated aerial refueling system market report:

https://www.thebusinessresearchcompany.com/report/automated-aerial-refueling-system-market-report?utm_source=ENPresswire&utm_medium=Paid&utm_campaign=Oct PR

Defense Spending as a Critical Growth Driver for Automated Aerial Refueling Systems

One of the primary factors propelling the automated aerial refueling system market is the steady increase in global defense expenditures. Defense budgets include government allocations for military personnel, weapons systems, equipment upgrades, and security operations. Heightened geopolitical tensions worldwide are pushing countries to invest more in strengthening their military forces and modernizing their air fleets. This surge in defense spending fuels investments in autonomous technologies, tankers, and mission systems that improve aircraft efficiency, range, and readiness.

For instance, in April 2025, the Stockholm International Peace Research Institute (SIPRI) reported that global military spending rose from \$2.443 trillion in 2023 to \$2.718 trillion in 2024, marking a \$275 billion increase or 9.4% growth. Such significant investment increases are a key factor driving the adoption of automated aerial refueling systems across the globe.

Regional Growth Dynamics in the Automated Aerial Refueling System Market

In 2025, North America held the largest share of the automated aerial refueling system market, reflecting its advanced defense infrastructure and technology adoption. However, the Asia-Pacific region is anticipated to experience the fastest growth over the forecast period. The market report covers regions including Asia-Pacific, South East Asia, Western Europe, Eastern

Europe, North America, South America, the Middle East, and Africa, providing a comprehensive view of global market trends and opportunities.

New strategic additions in our 2026 market reports include market attractiveness scoring and analysis, total addressable market (TAM) analysis, company scoring matrix graphics and tables, Excel-based forecasting dashboards, market hotspots infographics, key technologies and future trend analysis, along with updated graphics and tables.

Speak With Our Expert:

Saumya Sahay

Americas +1 310-496-7795

Asia +44 7882 955267 & +91 8897263534

Europe +44 7882 955267

Email: marketing@tbrc.info

[The Business Research Company](https://www.thebusinessresearchcompany.com) - www.thebusinessresearchcompany.com

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Oliver Guirdham

The Business Research Company

+44 7882 955267

info@tbrc.info

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