

Aerostat System Market 2025-2029: Unveiling Growth Developments with the Latest Updates

*The Business Research Company's
Aerostat System Global Market Report
2025 – Market Size, Trends, And Global
Forecast 2025-2034*

LONDON, GREATER LONDON, UNITED
KINGDOM, August 4, 2025

/EINPresswire.com/ -- What Is The
Expected Cagr For The [Aerostat System
Market](#) Through 2025?

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The expansion of the aerostat system market has been swift and substantial in recent times. The market size is predicted to increase from \$13.01 billion in 2024 to \$15.09 billion in 2025, reflecting a compound annual growth rate (CAGR) of 16.0%. The rapid development during the

historical period can be traced back to needs for military surveillance, border patrol and monitoring, modernization of defense programs, threats of terrorism and security, as well as global military confrontations.

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In the upcoming years, the aerostat system market is forecasted to experience swift expansion, reaching \$26.12 billion in 2029 with a compound annual growth rate (CAGR) of 14.7%. Various factors will contribute to this growth during the forecast period, such as alterations in regulations and policies, investments in research and development, geopolitical uncertainties, disaster

management and response, and the broadening of commercial applications. The primary trends anticipated during this period involve increasing needs for surveillance and monitoring, enhancements in military technology, boosts in spending for homeland security, monitoring of natural disasters, the ubiquitous application in commercial sectors, and the growing demand for continuous surveillance.

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What Are The Driving Factors Impacting The Aerostat System Market?

The escalating adoption of persistent intelligence, surveillance, and reconnaissance (ISR) has created a significant impetus for the growth of the aerostat systems market. Integrated intelligence and operations function, known as persistent ISR, helps gather and examine data to empower the decision-making process and strengthen national security. Aerostat systems, with their ability to offer ongoing border surveillance employing a multi-mode approach, serve wider areas while demanding less maintenance versus traditional aircraft and drones. For example, the United States Department of Defense, accountable for national security and armed forces in the US, unveiled a budget allocation of \$8.3 billion in FY 2023 in April 2022 for the augmentation of its intelligence, surveillance, and reconnaissance (ISR) portfolio for national safety. This emerging reliance on persistent ISR is anticipated to substantially invigorate the growth trajectory of the aerostat systems market.

Which Players Dominate The Aerostat System Industry Landscape?

Major players in the Aerostat System Global Market Report 2025 include:

- Lockheed Martin Corporation
- Raytheon Technologies Corporation
- TCOM L.P
- Raven Industries
- AUGUR - RosAeroSystems
- ILC Dover LP
- RT LTA systems Ltd
- Lindstrand Technologies Ltd
- Aeroscraft Corporation
- Rafael Advanced Defense Systems Ltd

What Are The Future Trends Of The Aerostat System Market?

The rise of technological development is a notable trend in the aerostat systems market, with key players focusing on cutting-edge innovation to stay competitive. For example, in March 2023, RT Aerostat Systems, an Israeli producer of aerostats, unveiled the SkyStar 140. This new mini-aerostat offers outstanding capabilities in search and rescue operations due to its active multi-band IMSI catcher, which prompts idle cellular phones to quickly find lost people. It employs a sophisticated Direction Finding or Geo-Location system to enhance response times by accurately identifying mobile signals. With a quick deployment time of only ten minutes, the SkyStar 140 operates autonomously from local mobile networks and adjusts well to various situation, spanning from damaged urban settings to vast regions affected by disasters. Able to ascend to 1,500 feet, it provides top-notch accuracy in geo-location, pinpointing locations within a few meters, which increases the effectiveness and endurance of rescue operations.

Global [Aerostat System Market Segmentation](#) By Type, Application, And Region

The aerostat system market covered in this report is segmented –

- 1) By Product: Balloon, Airship, Hybrid
- 2) By Propulsion System: Powered, Unpowered
- 3) By Payload: Electro-optic Or Infrared Sensors (EO Or IR), Communication Intelligence, Cameras, Electronic Intelligence, Surveillance Radar, Inertial Navigation System
- 4) By Class: Compact Sized, Mid Sized, Large Sized
- 5) By Application: Military, Law Enforcement, Commercial, Environmental Research

Subsegments:

- 1) By Balloon: Free Balloons, Tethered Balloons, Observation Balloons
- 2) By Airship: Rigid Airships, Semi-Rigid Airships, Non-Rigid Airships
- 3) By Hybrid: Hybrid Airships, Aerodynamically Enhanced Hybrids, Multi-Role Hybrid Systems

View the full aerostat system market report:

<https://www.thebusinessresearchcompany.com/report/aerostat-system-global-market-report>

Which Region Holds The Largest Market Share In The Aerostat System Market?

In the 2025 Aerostat System Global Market Report, North America stands out as the most substantial market region from the previous year, with Europe following closely behind. The report encapsulates all the key regional markets including North America, Western Europe, Eastern Europe, Asia-Pacific, South America, Middle East, and Africa.

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