

Global Aerospace and Defense Additive Manufacturing Market Overview And Statistics for 2024-2033

*The Business Research Company's
Aerospace and Defense Additive
Manufacturing Global Market Report
2024 – Market Size, Trends, And Global
Forecast 2024-2033*

LONDON, GREATER LONDON, UK,
August 8, 2024 /EINPresswire.com/ --
The aerospace and defense additive
manufacturing market is set to expand
significantly, growing from \$3.62 billion
in 2023 to \$4.4 billion in 2024,

reflecting a robust compound annual growth rate (CAGR) of 21.5%. This growth trajectory is driven by factors such as cost reduction, lightweight components, customization, complexity, supply chain optimization, and advancements in materials. The market is anticipated to continue its upward trend, reaching \$8.76 billion by 2028, with a CAGR of 18.8%, fueled by increased



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adoption of additive manufacturing (AM) technology, advancements in material science, complex part production, Industry 4.0 integration, and digital twin implementation.

Increasing Air Passenger Traffic Fuels Market Expansion
The growing air passenger traffic is a crucial driver for [the aerospace and defense additive manufacturing market](#). As

air travel becomes more prevalent, there is a greater need for efficient, innovative, and cost-effective aerospace components. The implementation of AM technologies enhances aircraft efficiency, fuel efficiency, and affordability, which supports the overall sustainability and reliability of air travel. According to the International Air Transport Association (IATA), Asia-Pacific airlines saw a 98.5% increase in traffic in August 2023 compared to August 2022, underscoring the rising demand for advanced aerospace solutions.

Explore comprehensive insights into the aerospace and defense additive manufacturing market



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The Business Research Company's Aerospace and
Defense Additive Manufacturing Global Market
Report 2024 – Market Size, Trends, And Global
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Major Companies and Innovations

Key players in the aerospace and defense additive manufacturing market include General Electric Company, Raytheon Technologies Corporation, The Boeing Company, Lockheed Martin Corporation, Airbus SE, Northrop Grumman Corporation, BAE Systems, Safran SA, Rolls-Royce Holdings, Honeywell Aerospace, Siemens Digital Industries Software, OC Oerlikon Corporation AG, and others. Product innovations are pivotal, with companies focusing on developing new technologies to maintain market leadership. For instance, Aerojet Rocketdyne's RL10C-X rocket engine, introduced in May 2021, exemplifies this trend. The engine, created using additive manufacturing, successfully passed NASA's hot-fire testing and demonstrates significant advancements in rocket propulsion technology.

Market Trends

Major trends shaping the aerospace and defense additive manufacturing market include:

- Scaled production of critical parts
- Development of advanced AM materials
- Integration of automation and robotics in AM
- Advancements in post-processing techniques
- Integration of 3D printing electronics

These trends highlight the sector's shift towards more sophisticated and efficient manufacturing processes, supporting continued market growth and technological advancement.

Market Segmentation

The aerospace and defense additive manufacturing market is segmented as follows:

1. By Technology: Direct Metal Laser Sintering (DMLS), Fused Deposition Modeling (FDM), Continuous Liquid Interface Production (CLIP), Stereolithography (SLA), Selective Laser Sintering (SLS), Other Technologies
2. By Material: Metal, Plastic, Rubber, Other Materials
3. By Platform: Aviation, Defense, Space
4. By Application: Engine Component, Space Component, Structural Component, Defense Equipment, Other Applications

Regional Insights: North America Leading the Market

North America was the largest region in the aerospace and defense additive manufacturing market in 2023. The region continues to dominate due to its advanced technological infrastructure and strong presence of major market players. The comprehensive report provides detailed insights into regional dynamics, market trends, and growth opportunities.

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Aerospace and Defense Additive Manufacturing Global Market Report 2024 from TBRC covers the following information:

- Market size data for the forecast period: Historical and Future
- Market analysis by region: Asia-Pacific, China, Western Europe, Eastern Europe, North America, USA, South America, Middle East and Africa.
- Market analysis by countries: Australia, Brazil, China, France, Germany, India, Indonesia, Japan, Russia, South Korea, UK, USA.

Trends, opportunities, strategies and so much more.

The Aerospace and Defense Additive Manufacturing Global Market Report 2024 by The Business Research Company is the most comprehensive report that provides insights on [aerospace and defense additive manufacturing market size](#), aerospace and defense additive manufacturing market drivers and trends, aerospace and defense additive manufacturing market major players, competitors' revenues, market positioning, and market growth across geographies. The aerospace and defense additive manufacturing market report helps you gain in-depth insights on opportunities and strategies. Companies can leverage the data in the report and tap into segments with the highest growth potential.

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The Business Research Company has published over 15000+ reports in 27 industries, spanning 60+ geographies. The reports draw on 1,500,000 datasets, extensive secondary research, and exclusive insights from interviews with industry leaders.

Global Market Model – Market Intelligence Database

The Global Market Model, The Business Research Company's flagship product, is a market intelligence platform covering various macroeconomic indicators and metrics across 60 geographies and 27 industries. The Global Market Model covers multi-layered datasets that help its users assess supply-demand gaps.

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