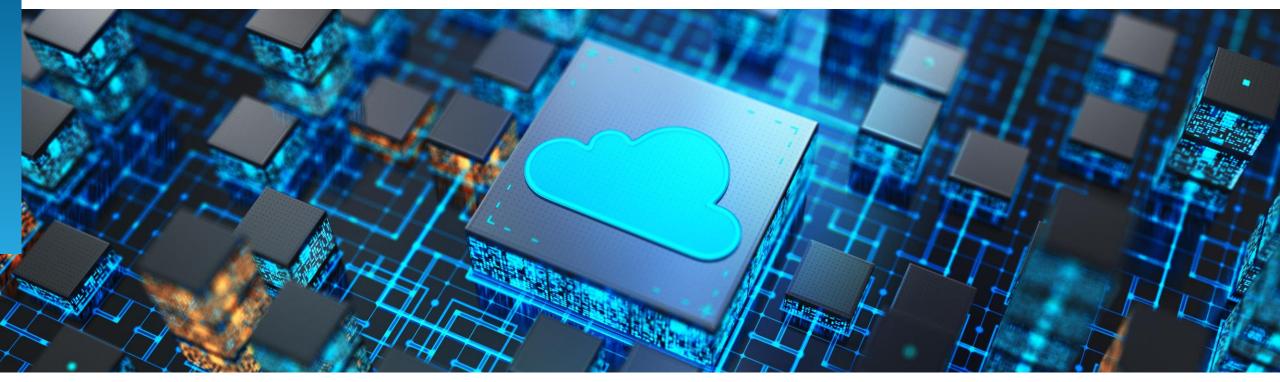


Aerospace and Defense State of the Market 2023

October 2023: Complimentary Abstract / Table of Contents



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Overview and abbreviated summary of key messages

This report examines the trends governing the aerospace and defense engineering services market by mapping the emerging business priorities with the key engineering focus areas, providing use cases, and discussing the outsourcing landscape.

Some of the findings in this report, among others, are:

Market spending overview

- Expenditure on aerospace and defense industry engineering research and development (ER&D) has gradually approached the elevated levels seen before the pandemic
- Commercial aviation focuses on backlog clearance, environmental responsibility, personalization, and future-ready factories
- Defense, space, and security prioritize capacity enhancement, cost reduction, secure communications, and innovative deterrents. Services units navigate talent crunch, fleet sustenance, and supply chain challenges

Evolving trends for key investment priorities

- Sustainability, autonomy, connectivity, directed energy, and certain disruptive concepts are key investment drivers shaping aerospace and defense priorities
- Enterprises place paramount importance on driving innovation in cutting-edge domains such as high-performance materials, Artificial Intelligence-Machine Learning (AI-ML), autonomous systems, and digital twin
- Analyzed technologies act as strong defense to threats and enable OEM cost savings, forming most of the impact. Regulatory compliance, safety assurance, data privacy concerns, and scaling complexities pose a majority of the challenges

Outsourcing in the A&D industry

- Outsourcing in the A&D industry accounts for ~5% of the enterprise spend, consistent with the broader ES market (4-5%)
- Enterprises often outsource their engineering and design functions to specialized firms to access expertise and lower talent costs while pacing the time-to-market
- Flat outsourcing spend intensity; however, marginally higher ER&D spend intensity is expected to lead to a bullish growth in 2023 2025 period

Introduction

Enterprises and service providers in the aerospace and defense sector are undergoing significant transformations, aligning themselves with emerging technologies and addressing the dynamic challenges in the industry. The industry is broadly divided into three segments – commercial aviation business units, defense, space, and security serving units, and the services Business Units (BU). Each business unit has its own business priorities laid out, which then translate into engineering priorities.

The report provides an overview of each BU's actionable and associated use cases merging with an overall view of the A&D ER&D resilience, followed by the top enterprise spenders in the space. Our study provides a detailed view of the key investment priorities, while highlighting each enterprise's degree of strategic focus in the respective technology-cum-spend area.

For each of the spend areas, focused, relevant, and latest use cases are provided to ensure 100% coverage of the ongoing work while delineating new business opportunities for the enterprises and service providers. A section is dedicated to the outsourcing market, which covers the market overview – size, outsourced services, key delivery locations, investments, and partnerships.

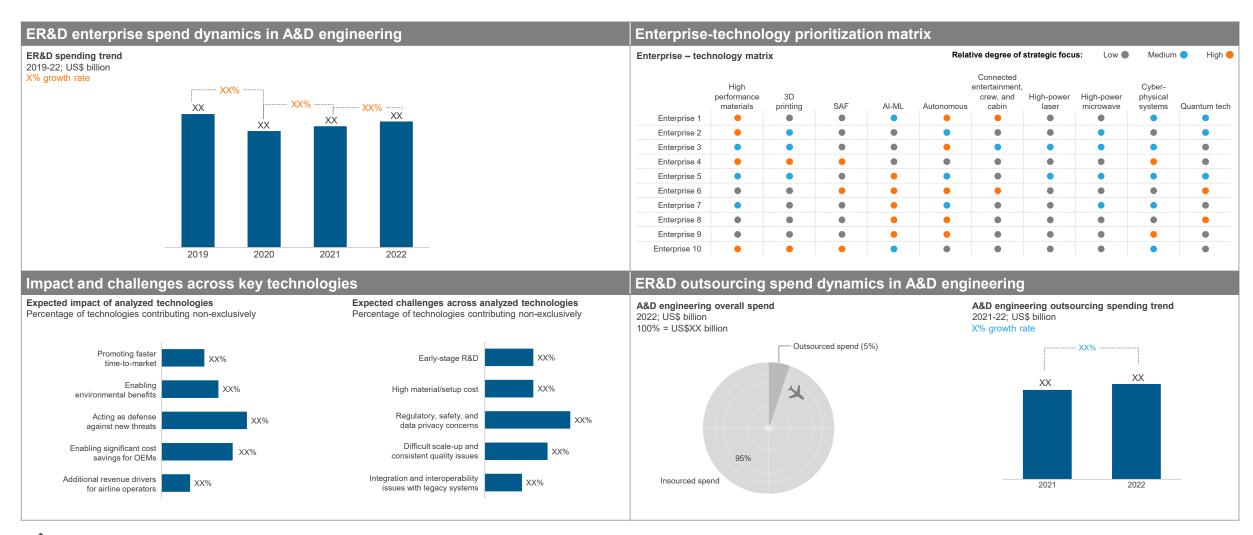
Scope of this report







This study offers 3 distinct chapters providing a deep dive into key aspects of aerospace and defense engineering services market; below are four charts to illustrate the depth of the report



Research calendar

Engineering Research and Development

	Published Planned Current release	
Reports title	Release date	
Acing the Art of Platform-driven Growth: Software Product Engineering Services PEAK Matrix® Assessment 2023	December 2022	
Software Product Engineering Services – Provider Compendium 2023	February 2023	
Unleashing the Era of Phygital Manufacturing – Industry 4.0 State of the Market 2023	February 2023	
Engineering R&D (ER&D) Outlook for 2023	February 2023	
Engineering Services CXO Insights: Key Issues Report 2023	April 2023	
5G Engineering Services PEAK Matrix® Assessment 2023: The Next Frontier in the Hyperconnected Era	June 2023	
5G Engineering Services – Provider Compendium 2023	July 2023	
ACES Automotive Engineering Services PEAK Matrix® Assessment 2023: Navigating the Future of Automotive Landscape	September 2023	
Navigating the Enterprise Adoption of Generative AI	September 2023	
Engineering Services Top 50 2023	September 2023	
Aerospace and Defense State of the Market 2023	October 2023	
ACES Mobility Engineering Services – Provider Compendium 2023	Q4 2023	
Trends in the Top 200 Engineering Research & Development (ER&D) Enterprises 2023	Q4 2023	
5G Engineering Services State of the Market 2023	Q4 2023	

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