

Aerospace and Defense Telemetry Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

<https://marketpublishers.com/r/AE881EFF2F06EN.html>

Date: June 2023

Pages: 142

Price: US\$ 2,499.00 (Single User License)

ID: AE881EFF2F06EN

Abstracts

Market Overview:

The global aerospace and defense telemetry market size reached US\$ 19.0 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 24.1 Billion by 2028, exhibiting a growth rate (CAGR) of 4.6% during 2023-2028.

Telemetry is a highly automated communication process which collects statistical data from remote locations and transmits it to the receiving equipment for monitoring, recording and analyzing purposes. This data is generally converted into a specific electrical voltage and then communicated via GSM, audio, ultrasonic, infrared or satellite signals depending on the area of application. Furthermore, telemetry relies on tactical meteorological systems to offer information that determines weather conditions before and during flight operations. As it provides reliable and long-range wireless communication to and from an aerial vehicle, it is widely used in the aerospace and defense sector worldwide.

Aerospace and Defense Telemetry Market Trends:

Telemetry systems are utilized in the aerospace industry for measuring meteorological data including humidity, temperature and barometric pressure and transmitting this data to an earth station. Apart from this, modern telemetry systems are relatively more complex in nature when compared with conventional variants, which makes them harder to hack. Moreover, the increasing use of telemetry systems in military applications including intercepted telemetry in aircrafts, UAVs, guided missiles, marine ships, land systems and armored vehicles, is further fueling their demand. The rising

usage of these systems in the defense sector is also supported by factors such as increasing terrorist attacks and border security concerns as well as the growing defense spending by governments in numerous countries. Apart from this, with technological advancements, telemetry systems are being used in biomedical research, oceanography, mechanical engineering, remote observation of radioactive materials and rocket-motor testing, which is further driving the market growth.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global aerospace and defense telemetry market report, along with forecasts at the global and regional level from 2023-2028. Our report has categorized the market based on technology, equipment, application and sector.

Breakup by Technology:

- Radio Telemetry
- Satellite Telemetry

Breakup by Equipment:

- Data Acquisition Unit
- Telemetry Transmitters
- Flight Termination Receivers
- Others

Breakup by Application:

- Aircraft
- Spacecraft
- UAVs
- Missiles
- Guided Weapons
- Others

Breakup by Sector:

- Aerospace
- Defence

Breakup by Region:

North America

Europe

Asia Pacific

Middle East and Africa

Latin America

Competitive Landscape:

The report has also analysed the competitive landscape of the market with some of the key players being BAE Systems, Lockheed Martin Corporation, L3 Technologies, Safran, Cobham, Honeywell, Thales Group, Kongsberg Gruppen, Orbit Communications Systems, Dassault Aviation, Curtiss-Wright, Leonardo, Raytheon, AstroNova, etc.

Key Questions Answered in This Report:

How has the global aerospace and defense telemetry market performed so far and how will it perform in the coming years?

What are the key regional markets in the global aerospace and defense telemetry industry?

What has been the impact of COVID-19 on the global aerospace and defense telemetry market?

What is the breakup of the market based on the technology?

What is the breakup of the market based on the equipment?

What is the breakup of the market based on the application?

What is the breakup of the market based on the sector?

What are the various stages in the value chain of the global aerospace and defense telemetry industry?

What are the key driving factors and challenges in the global aerospace and defense telemetry industry?

What is the structure of the global aerospace and defense telemetry industry and who are the key players?

What is the degree of competition in the global aerospace and defense telemetry industry?

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