

Military Sensors Market by Platform (Airborne, Land, Naval, Munitions, Satellites), Application, Type, and Region (North America, Europe, Asia Pacific, Middle East & Africa, Rest of the World) - Global Forecast to 2026

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Abstracts

The military sensors market is estimated at USD 9.9 Billion in 2021 and is projected to reach USD 13.2 Billion by 2026, at a CAGR of 5.9% from 2021 to 2026. The military sensors market is growing at a significant rate across the world, and a similar trend is expected to be observed during the forecast period. Increasing demand for battlespace awareness among defense forces, ongoing advancements in MEMS technology, increasing use of UAVs in modern warfare and increasing focus on weapon system reliability are fueling the growth of the military sensors market.

Major manufacturers in this market are based in North America and Europe. Honeywell International (US), Raytheon technology (US), Lockheed Martin (US), Thales (France) are among the key manufacturers that secured military sensors contracts in the last few years. Major focus was given to the development of new products due to the changing requirements of sensor customers across the world. These players have adopted various growth strategies to strengthen their position in the market. These include product launches, contracts, partnerships, mergers and acquisitions, and new product development activities further to expand their presence in the military sensors market. These players have spread their business across various countries includes North America, Europe, Asia Pacific, Middle East, Africa, and South America. COVID-19 has affected the Military sensors market growth to some extent, and this varies from country to country. Industry experts believe that the pandemic has not affected the demand for military sensors in commercial, Government and defense applications.



"The gyroscope segment of the market is projected to grow at the highest CAGR during 2021-2026."

The introduction of MEMS-based gyroscopes has been a major point of innovation in the gyroscope technology. An increase in demand for high performance inertial navigation systems (INS) has fueled the growth of gyroscopes in military sensors market. The military aviation industry, which is one of the key consumers of inertial navigation systems, has been a major reason for the market growth and is expected to be a key driver for the global market. The increased adoption of drones and unmanned aerial vehicles (UAVs) in the defense sector will also play a major role in market growth. In June 2019, the US Missile Defense Agency (MDA) awarded a USD 4.4 million three-year contract to Vector Atomic (US) for the MDA Hypersonic Defense Component Technology program to design a micro-flatpack accelerometer-gyroscope sensor that will use hybrid integrated photonics. The company will develop and test a low size, weight, power, and cost (SWaP-C) navigation-grade gyroscope-accelerometer capable of navigating under severe acceleration, shock, and vibration characteristics of a hypersonic missile interceptor.

"Based on application, electronic warfare segment will register the highest growth from 2021 to 2026."

Significant technological advancements and integration of sensors and electronics in military equipment are resulting in a shift towards multilayered defense systems, which is expected to drive the electronic warfare segment in military sensors market during the forecast period. Adding to these factors, the increase in the use of UAV systems and the need for ground surveillance and communication jamming serve as opportunities for the electronic warfare segment. In March 2021, BAE Systems secured a USD 58 million contract to begin low-rate initial production of an electronic warfare system for F-15s to protect pilots from advanced threats coming over the electromagnetic spectrum. The contract scope includes multispectral sensors and countermeasures, signal processing, microelectronics and algorithms to deliver radar warning, situational awareness, geolocation, and self-protection capabilities.

"Based on Platform, the airborne segment will register the highest growth from 2021 to 2026."

Growing adoption of airborne sensors in the defense sector is boosting the growth of the airborne segment in military sensors market. One of the factors for high growth of the military sensors market for air-based platforms is the proliferation of UAVs.



Countries across the world are investing in UAVs to increase surveillance. Various countries are also either adding new fighter aircraft fleets or are upgrading their existing fighter aircraft with latest sensor technologies, which will play a major role in market growth for airborne military sensor market. The rapid evolution of geopolitical dynamics across the globe, coupled with increasing threats of terrorism, procurement plans of emerging economies, modernizations and political instability in few regions, will drive the demand for airborne military sensor market

"The North America region is estimated to account for the largest share of military sensors market in 2021."

Significant investments in R&D activities for the development of advanced military power solutions by key players and increased demand for lightweight and energy-efficient sensors are some of the factors expected to fuel the growth of the military sensors market in this region. The US is expected to drive the growth of the North American military sensors market during the forecast period, owing to easy access to various innovative technologies and significant investments being made by manufacturers in the country for the development of improved health monitoring and warfare sensors. Several developments have taken place in the field of military sensors in the region. Prominent players from this region include Northrop Grumman (US), Raytheon Technologies(US), Lockheed Martin (US), and others.

The break-up of the profile of primary participants in the military sensors market:

By Company Type: Tier 1 – 45%, Tier 2 – 35%, and Tier 3 – 20%

By Designation: C Level – 35%, Director Level – 25%, and Others – 40%

By Region: North America – 60.6%, Europe – 18.7%, Asia Pacific – 19%, Middle East & Africa – 1.2%, South America – 0.5%

Major companies profiled in the report include Honeywell International (US), TE Connectivity (Switzerland), Raytheon Technology (US), Lockheed Martin (US), Thales (France), Bae Systems (UK) among others.

Research Coverage:

This market study covers the Military Sensors market across various segments and



subsegments. It aims at estimating the size and growth potential of this market across different segments based on type, application, platform and region. This study also includes an in-depth competitive analysis of the key players in the market, along with their company profiles, key observations related to their product and business offerings, recent developments undertaken by them, and key market strategies adopted by them.

Reasons to buy this report:

The report will help the market leaders/new entrants in this market with information on the closest approximations of the revenue numbers for the overall military sensors market. This report will help stakeholders understand the competitive landscape and gain more insights to position their businesses better and to plan suitable go-to-market strategies. The report also helps stakeholders understand the pulse of the market and provides them with information on key market drivers, restraints, challenges, and opportunities.

The report provides insights on the following pointers:

Market Penetration: Comprehensive information on military sensors offered by the top players in the market

Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product launches in the military sensors market

Market Development: Comprehensive information about lucrative markets – the report analyses the military sensors market across varied regions

Market Diversification: Exhaustive information about new products, untapped geographies, recent developments, and investments in the military sensors market

Competitive Assessment: In-depth assessment of market shares, growth strategies, products, and manufacturing capabilities of leading players in the military sensors market



Contents

1 INTRODUCTION

- 1.1 OBJECTIVES OF THE STUDY
- 1.2 MARKET DEFINITION
- 1.3 STUDY SCOPE

FIGURE 1 MARKETS COVERED

- 1.3.1 REGIONAL SCOPE
- 1.3.2 YEARS CONSIDERED FOR THE STUDY
- 1.4 CURRENCY & PRICING
- 1.5 USD EXCHANGE RATES
- 1.6 LIMITATIONS
- 1.7 INCLUSIONS & EXCLUSIONS
- 1.8 MARKET STAKEHOLDERS
- 1.9 SUMMARY OF CHANGES

2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA

FIGURE 2 REPORT PROCESS FLOW

FIGURE 3 RESEARCH DESIGN

- 2.1.1 SECONDARY DATA
- 2.1.2 PRIMARY DATA
 - 2.1.2.1 Key data from primary sources
 - 2.1.2.2 Breakdown of primaries
 - 2.1.2.3 Primary details
- 2.2 FACTOR ANALYSIS
 - 2.2.1 INTRODUCTION
 - 2.2.2 DEMAND-SIDE INDICATORS
 - 2.2.2.1 Increase in military spending of emerging countries
- 2.2.2.2 Growth of military expenditure on sensor-based autonomous defense systems

FIGURE 4 MILITARY EXPENDITURE, 2019-2020

2.2.2.3 Rising incidences of regional disputes, terrorism, and political conflicts

FIGURE 5 NUMBER OF TERRORIST ATTACKS IN 2019, BY COUNTRY

- 2.2.3 SUPPLY-SIDE INDICATORS
 - 2.2.3.1 Major US defense contractors' financial trend
- 2.3 MARKET SIZE ESTIMATION



- 2.3.1 MARKET DEFINITION & SCOPE
- 2.4 RESEARCH APPROACH & METHODOLOGY
 - 2.4.1 BOTTOM-UP APPROACH

FIGURE 6 MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP APPROACH 2.4.2 TOP-DOWN APPROACH

FIGURE 7 MARKET SIZE ESTIMATION METHODOLOGY: TOP-DOWN APPROACH 2.4.2.1 COVID-19 impact on military sensors market

2.5 DATA TRIANGULATION

FIGURE 8 DATA TRIANGULATION

- 2.6 ASSUMPTIONS
- 2.7 RISK ANALYSIS

3 EXECUTIVE SUMMARY

FIGURE 9 MILITARY SENSORS MARKET, BY PLATFORM, 2021 & 2026 (USD MILLION)

FIGURE 10 MILITARY SENSORS MARKET, BY REGION

4 PREMIUM INSIGHTS

- 4.1 INTERNET OF THINGS TO OFFER SEVERAL UNTAPPED GROWTH
 OPPORTUNITIES FOR MILITARY SENSORS MARKET
 FIGURE 11 ATTRACTIVE GROWTH OPPORTUNITIES IN MILITARY SENSORS
 MARKET FROM 2021 TO 2026
- 4.2 MILITARY SENSORS MARKET, BY APPLICATION

FIGURE 12 ELECTRONIC WARFARE SEGMENT PROJECTED TO LEAD MILITARY SENSORS MARKET FROM 2021 TO 2026

4.3 MILITARY SENSORS MARKET, BY TYPE

FIGURE 13 GYROSCOPE SEGMENT PROJECTED TO LEAD MILITARY SENSORS MARKET FROM 2021 TO 2026

5 MARKET OVERVIEW

- 5.1 INTRODUCTION
- 5.2 MARKET DYNAMICS

FIGURE 14 MILITARY SENSORS MARKET: DRIVERS, RESTRAINTS,

OPPORTUNITIES, AND CHALLENGES

- 5.2.1 DRIVERS
 - 5.2.1.1 Increasing demand for battlespace awareness among defense forces



- 5.2.1.2 Ongoing advancements in MEMS technology
- 5.2.1.3 Increasing use of UAVs in modern warfare
- 5.2.1.4 Increasing focus on weapon system reliability
- 5.2.2 RESTRAINTS
- 5.2.2.1 Lack of accuracy and operational complexities in MEMS inertial navigation sensors
- 5.2.2.2 Rules and regulations related to the transfer of weapons and their associated technologies
 - 5.2.2.3 Declining defense budgets of several countries of North America and Europe
 - 5.2.3 OPPORTUNITIES
 - 5.2.3.1 Demand for new generation air and missile defense systems
 - 5.2.3.2 Integration of anti-jamming capabilities with navigation systems
 - 5.2.4 CHALLENGES
 - 5.2.4.1 Cybersecurity risks
 - 5.2.4.2 Complexity in the designs of military sensors
- 5.3 IMPACT OF COVID-19
- FIGURE 15 IMPACT OF COVID-19
- 5.4 RANGES AND SCENARIOS
- FIGURE 16 IMPACT OF COVID-19: 3 GLOBAL SCENARIOS
- 5.5 VALUE CHAIN ANALYSIS
- FIGURE 17 VALUE CHAIN ANALYSIS
- 5.6 TRENDS/DISRUPTION IMPACTING CUSTOMER BUSINESS
- 5.6.1 REVENUE SHIFT AND NEW REVENUE POCKETS FOR MILITARY SENSORS MANUFACTURERS
- FIGURE 18 REVENUE SHIFT IN SATELLITE PAYLOAD MARKET
- 5.7 ECOSYSTEM
 - 5.7.1 PROMINENT COMPANIES
 - 5.7.2 PRIVATE AND SMALL ENTERPRISES
 - 5.7.3 ECOSYSTEM
- FIGURE 19 MARKET ECOSYSTEM MAP: MILITARY SENSORS MARKET
- FIGURE 20 MILITARY SENSORS MARKET: MARKET ECOSYSTEM
- TABLE 1 MILITARY SENSORS MARKET ECOSYSTEM
 - 5.7.4 DEMAND-SIDE IMPACTS
 - 5.7.4.1 Key developments from January 2020 to November 2020
- TABLE 2 KEY DEVELOPMENTS IN MILITARY SENSORS MARKET, (DEMAND-SIDE IMPACTS) JANUARY 2020 TO DECEMBER 2020
 - 5.7.5 SUPPLY-SIDE IMPACT
 - 5.7.5.1 Key developments from January 2020 to December 2020
- TABLE 3 KEY DEVELOPMENTS FOR SUPPLY-SIDE IMPACT, JANUARY 2020 TO



DECEMBER 2020

5.8 AVERAGE SELLING PRICE

TABLE 4 AVERAGE SELLING PRICE TRENDS, BY RADAR, 2020 (USD MILLION)
TABLE 5 AVERAGE SELLING PRICE TRENDS OF MILITARY SENSORS, 2020 (USD MILLION)

5.9 PORTER'S FIVE FORCES ANALYSIS

TABLE 6 MILITARY SENSORS: PORTER'S FIVE FORCE ANALYSIS

- **5.9.1 THREAT OF NEW ENTRANTS**
- 5.9.2 THREAT OF SUBSTITUTES
- 5.9.3 BARGAINING POWER OF SUPPLIERS
- 5.9.4 BARGAINING POWER OF BUYERS
- 5.9.5 DEGREE OF COMPETITION
- 5.10 REGULATORY LANDSCAPE
 - 5.10.1 NORTH AMERICA
 - **5.10.2 EUROPE**
- 5.11 TRADE ANALYSIS

TABLE 7 COUNTRY-WISE IMPORT, NAVIGATIONAL INSTRUMENTS AND APPARATUS, 2018–2019 (USD THOUSAND)

TABLE 8 COUNTRY-WISE EXPORTS, NAVIGATIONAL INSTRUMENTS AND APPARATUS, 2018–2019 (USD THOUSAND)

TABLE 9 COUNTRY-WISE EXPORTS, RADAR APPARATUS, RADIO NAVIGATIONAL AID APPARATUS, AND RADIO REMOTE CONTROL APPARATUS, 2018–2019 (USD THOUSAND)

TABLE 10 COUNTRY-WISE IMPORTS, RADAR APPARATUS, RADIO NAVIGATIONAL AID APPARATUS, AND RADIO REMOTE CONTROL APPARATUS, 2018–2019 (USD THOUSAND)

6 INDUSTRY TRENDS

- 6.1 INTRODUCTION
- 6.2 USE CASE ANALYSIS
- 6.2.1 ULTRA-RUGGED INERTIAL MEASUREMENT UNITS
- 6.2.2 NEXT-GENERATION DIGITAL CABIN PRESSURE CONTROL AND
- MONITORING SYSTEM FOR AIRCRAFT
- 6.2.3 TACTICAL UAS SENSOR DATA MANAGEMENT SOLUTION
- 6.3 TECHNOLOGY TRENDS
 - 6.3.1 EMERGENCE OF WIRELESS SENSOR NETWORKS
- 6.3.2 MICROELECTROMECHANICAL SYSTEM (MEMS) SENSORS
- 6.3.3 NEXT-GENERATION SENSOR SYSTEMS



6.3.4 USE OF WIRELESS SENSORS IN MILITARY APPLICATIONS6.4 INNOVATIONS AND PATENT REGISTRATIONSTABLE 11 IMPORTANT INNOVATION & PATENT REGISTRATIONS, 2001-2021

7 MILITARY SENSORS MARKET, BY TYPE

7.1 INTRODUCTION

FIGURE 21 MILITARY SENSORS MARKET SIZE, BY TYPE, 2021–2026 (USD MILLION)

TABLE 12 MILITARY SENSORS MARKET SIZE, BY TYPE, 2018–2020 (USD MILLION)

TABLE 13 MILITARY SENSORS MARKET SIZE, BY TYPE, 2021–2026 (USD MILLION)

- 7.2 IMAGING SENSORS
- 7.2.1 IMAGING SENSORS OFFER DAY-NIGHT WORKING CAPABILITY AND ABILITY TO PERFORM WELL IN EXTREME WEATHER CONDITIONS.
- 7.3 SEISMIC SENSORS
- 7.3.1 SEISMIC SENSORS OFFER PERIMETER PROTECTION AND INTRUSION DETECTION AGAINST ENEMY THREATS
- 7.4 ACOUSTIC SENSORS
- 7.4.1 ACOUSTIC SENSORS ARE DEPLOYED ON BATTLEFIELDS FOR TARGET ACQUISITION AND SURVEILLANCE APPLICATIONS
- 7.5 MAGNETIC SENSORS
- 7.5.1 MAGNETIC SENSORS DETECT MAGNETIC ANOMALIES GENERATED BY MOVEMENT OF ARMED TROOPS AND MILITARY VEHICLES ON BATTLEFIELD 7.6 PRESSURE SENSORS
- 7.6.1 INCREASING PROCUREMENT OF AIRCRAFT, MARINE, AND LAND VEHICLES IS EXPECTED TO DRIVE THE MARKET FOR PRESSURE SENSORS IN MILITARY SENSORS MARKET
- 7.7 TEMPERATURE SENSORS
- 7.7.1 HIGH DEMAND FOR FUEL, CABIN, CARGO TEMPERATURE, AND TURBINE INLET TEMPERATURE MONITORING IS EXPECTED TO DRIVE THE MARKET FOR TEMPERATURE SENSORS
- 7.8 TORQUE SENSORS
- 7.8.1 HIGH DEMAND FOR MEASURING TORQUES IN VARIOUS MILITARY APPLICATIONS IS EXPECTED TO DRIVE THE MARKET FOR TORQUE SENSORS 7.9 SPEED SENSORS
- 7.9.1 MILITARY SPEED SENSORS OFFER ABILITY TO OPERATE RELIABLY IN HARSH ENVIRONMENTS



7.10 LEVEL SENSORS

7.10.1 LIQUID LEVEL SENSORS DETECT LIQUID LEVELS WITHOUT FLUID CONTACT

7.11 FLOW SENSORS

7.11.1 THE DEMAND FOR PROCUREMENT OF FIXED WING AIRCRAFT WILL DRIVE THE FLOW SENSORS MARKET

7.12 FORCE SENSORS

7.12.1 FORCE SENSORS MEASURES THE SENSING FORCE ON DIFFERENT SYSTEMS IN A PLATFORM

7.13 AOA SENSORS

7.13.1 DEMAND FOR ANGLE-OF-ATTACK SENSORS INCREASES AS THEY CAPABLE OF PROVIDING MEASUREMENTS UNDER ALL ENVIRONMENTAL CONDITIONS

7.14 ALTIMETER SENSORS

7.14.1 GROWING DEMAND FOR UNMANNED AERIAL VEHICLES WILL FUEL GROWTH OF ALTIMETER SENSORS MARKET

7.15 POSITION OR DISPLACEMENT SENSORS

7.15.1 POSITION SENSORS CAN BE INTEGRATED INTO MILITARY VEHICLES, WEAPONS SYSTEMS, MATERIAL TEST LABS, AND RESEARCH AND DEVELOPMENT FACILITIES

7.16 ACCELEROMETERS

7.16.1 ACCELEROMETERS ARE USED FOR IN GUIDANCE SYSTEMS IN AIRBORNE, LAND, NAVAL, AND WEAPON SYSTEM PLATFORMS
7.17 GYROSCOPES

7.17.1 THE DEMAND FOR GYROSCOPES INCREASES AS THEY ARE WIDELY USED FOR NAVIGATION AND MEASUREMENT OF THE ANGULAR VELOCITY OF AIRCRAFT

7.18 GPS SENSORS

7.18.1 GPS ALLOWS LAND, SEA, AND AIRBORNE VEHICLES/USERS TO IMMEDIATELY DETERMINE THEIR THREE-DIMENSIONAL POSITION 7.19 PROXIMITY SENSORS

7.19.1 PROXIMITY SENSORS WILL BE HELPFUL IN SURVEILLANCE PURPOSE ON LAND AND AIRBORNE APPLICATIONS
7.20 OTHERS

8 MILITARY SENSORS MARKET, BY PLATFORM

8.1 INTRODUCTION

FIGURE 22 MILITARY SENSORS MARKET SIZE, BY PLATFORM, 2021–2026 (USD



MILLION)

TABLE 14 MILITARY SENSORS MARKET SIZE, BY PLATFORM, 2018–2020 (USD MILLION)

TABLE 15 MILITARY SENSORS MARKET SIZE, BY PLATFORM, 2021–2026 (USD MILLION)

8.2 AIRBORNE

TABLE 16 AIRBORNE: MILITARY SENSORS MARKET SIZE, 2018–2020 (USD MILLION)

TABLE 17 AIRBORNE: MILITARY SENSORS MARKET SIZE, 2021–2026 (USD MILLION)

TABLE 18 AIRBORNE: MILITARY SENSORS MARKET SIZE, BY REGION, 2018–2020 (USD MILLION)

TABLE 19 AIRBORNE: MILITARY SENSORS MARKET SIZE, BY REGION, 2021–2026 (USD MILLION)

- 8.2.1 FIGHTER AIRCRAFT
- 8.2.1.1 Increase in demand FOR fighter aircraft from countries such as US, India, and Japan is expected to drive military sensors market
 - 8.2.2 HELICOPTERS
- 8.2.2.1 Increasing adoption of military helicopters for surveillance and combat operations is expected to drive the market
 - 8.2.3 SPECIAL MISSION AIRCRAFT
- 8.2.3.1 Installation of advanced sensor systems in special mission aircraft to fuel the growth of military sensors market
 - 8.2.4 UNMANNED AERIAL VEHICLES
- 8.2.4.1 High demand FOR UAVs from emerging countries such as India and China has led to market growth

8.3 LAND

TABLE 20 LAND: MILITARY SENSORS MARKET SIZE, 2018–2020 (USD MILLION)

TABLE 21 LAND: MILITARY SENSORS MARKET SIZE, 2021–2026 (USD MILLION)

TABLE 22 LAND: MILITARY SENSORS MARKET SIZE, BY REGION, 2018–2020 (USD MILLION)

TABLE 23 LAND: MILITARY SENSORS MARKET SIZE, BY REGION, 2021–2026 (USD MILLION)

- 8.3.1 ARMORED GROUND VEHICLES
- 8.3.1.1 Reliable and agile navigation and situational awareness plays a crucial role in military missions
 - 8.3.2 COMBAT SUPPORT VEHICLES
- 8.3.2.1 Increased demand for advanced combat support vehicles will drive market growth



8.3.3 UNMANNED GROUND VEHICLE (UGV)

8.3.3.1 Unmanned Ground Vehicles (UGVs) require sensors for navigation as well as to track and identify targets and engage them

8.3.4 OPERATING BASES

8.3.4.1 Operating bases use radars to detect intrusions and issue warnings of any incoming air or land attack

8.3.5 SOLDIERS SYSTEMS

8.3.5.1 Soldier systems is a network of sensors, wearables, and IoT devices that use cloud and edge computing to create a cohesive fighting force

8.4 NAVAL

TABLE 24 NAVAL: MILITARY SENSORS MARKET SIZE, 2018–2020 (USD MILLION) TABLE 25 NAVAL: MILITARY SENSORS MARKET SIZE, 2021–2026 (USD MILLION) TABLE 26 NAVAL: MILITARY SENSORS MARKET SIZE, BY REGION, 2018–2020 (USD MILLION)

TABLE 27 NAVAL: MILITARY SENSORS MARKET SIZE, BY REGION, 2021–2026 (USD MILLION)

8.4.1 COMBAT SHIPS

8.4.1.1 Combat ships are armed with powerful radars and advanced electronic warfare capabilities

8.4.2 COMBAT SUPPORT SHIPS

8.4.2.1 Powerful radars are installed on these ships to gather intelligence and warn intelligence officers about incoming attacks.

8.4.3 SUBMARINES

8.4.3.1 Submarines use electronic warfare sensors to block any kind of attack on their navigation and tracking systems

8.4.4 UNMANNED MARINE VEHICLES (UMVS)

8.4.4.1 Unmanned marine vehicles perform specified operations underwater without any human occupants by using an array of onboard sensors

8.5 SATELLITES

8.5.1 LEADING COUNTRIES ARE DEVELOPING SPACE-BASED RADAR SYSTEMS FOR SATELLITES TO ENHANCED SITUATIONAL AWARENESS IN THEIR REGION TABLE 28 SATELLITE: MILITARY SENSORS MARKET SIZE, BY REGION, 2018–2020 (USD MILLION)

TABLE 29 SATELLITE: MILITARY SENSORS MARKET SIZE, BY REGION, 2021–2026 (USD MILLION)

8.6 MUNITIONS

TABLE 30 MUNITIONS: MILITARY SENSORS MARKET SIZE, 2018–2020 (USD MILLION)

TABLE 31 MUNITIONS: MILITARY SENSORS MARKET SIZE, 2021-2026 (USD



MILLION)

TABLE 32 MUNITIONS: MILITARY SENSORS MARKET SIZE, BY REGION, 2018–2020 (USD MILLION)

TABLE 33 MUNITIONS: MILITARY SENSORS MARKET SIZE, BY REGION, 2021–2026 (USD MILLION)

- 8.6.1 ROCKETS & MISSILES
- 8.6.1.1 Sensors mounted on missiles are used for guidance as well as for the detection of targets
 - 8.6.2 GUIDED AMMUNITION
- 8.6.2.1 Guided ammunition uses GPS sensors and thermal sensors to lock on to targets and hit them accurately
 - 8.6.3 TORPEDOES
 - 8.6.3.1 Torpedoes use sensors for reliable depth and altitude sensing
 - 8.6.4 ARTILLERY SYSTEMS
- 8.6.4.1 The increased use of unmanned turret systems and autonomous target locating & tracking systems will drive market growth

9 MILITARY SENSORS MARKET, BY APPLICATION

9.1 INTRODUCTION

FIGURE 23 MILITARY SENSORS MARKET SIZE, BY APPLICATION, 2021 TO 2026 (USD MILLION)

TABLE 34 MILITARY SENSORS MARKET SIZE, BY APPLICATION, 2018–2020 (USD MILLION)

TABLE 35 MILITARY SENSORS MARKET SIZE, BY APPLICATION, 2021–2026 (USD MILLION)

- 9.2 INTELLIGENCE, SURVEILLANCE & RECONNAISSANCE (ISR)
- 9.2.1 PROCUREMENT OF ADVANCED AND HIGH-TECH SURVEILLANCE & MONITORING SYSTEMS TO FUEL GROWTH OF THE ISR
- 9.3 COMMUNICATION & NAVIGATION
- 9.3.1 MILITARY SENSORS USED FOR COMMUNICATION & NAVIGATION APPLICATIONS ARE RADARS, GPS, ACCELEROMETERS, AND GYROSCOPES, AMONG OTHERS
- 9.4 COMBAT OPERATIONS
- 9.4.1 MILITARY SENSORS USED FOR COMBAT OPERATIONS INCLUDE RADAR WARNING RECEIVERS AND RADARS, WHICH ENABLE THE IDENTIFICATION OF THREATS DURING COMBAT OPERATIONS
- 9.5 ELECTRONIC WARFARE
 - 9.5.1 LEADING COUNTRIES ARE INVESTING IN VARIOUS HIGH-TECH AND



ADVANCED MILITARY SENSOR SOLUTIONS FOR COMBAT OPERATIONS 9.6 TARGET RECOGNITION

- 9.6.1 AUTOMATIC TARGET RECOGNITION (ATR USES AN ALGORITHM OR DEVICE TO RECOGNIZE TARGETS OR OTHER OBJECTS BASED ON DATA OBTAINED FROM SENSORS
- 9.7 COMMAND & CONTROL
- 9.7.1 MILITARY SENSORS ARE USED TO DETECT AND RESPOND TO ELECTRICAL OR PHYSICAL SIGNALS BOTH WITHIN AND OUTSIDE PLATFORMS 9.8 WEAPONS AND FIRE CONTROL
- 9.8.1 RISING DEMAND FOR PRECISION WEAPON SYSTEMS TO FUEL THE GROWTH OF THE WEAPON AND FIRE CONTROL SEGMENT 9.9 WEARABLES
- 9.9.1 DEVELOPMENT OF NEW AND ADVANCED SENSOR SYSTEMS TO ENHANCE BATTLEFIELD CAPABILITIES OF SOLDIERS
- 9.10 CYBERSECURITY
- 9.10.1 INCREASING CYBERSECURITY ATTACKS TO FUEL GROWTH OF THE MILITARY SENSORS
- 9.11 SIMULATION AND TRAINING
- 9.11.1 INCREASING INVESTMENTS IN SIMULATION & TRAINING SECTOR BY DEFENSE FORCE ACROSS THE GLOBE WILL DRIVE SEGMENT GROWTH 9.12 ENGINES AND OPERATIONS SYSTEM
- 9.12.1 SENSORS HELP TO CUT FUEL CONSUMPTION AND HARMFUL EMISSIONS IN ENGINES AND OPERATION SYSTEMS

10 MILITARY SENSORS MARKET, BY REGION

10.1 INTRODUCTION

TABLE 36 MILITARY SENSORS MARKET SIZE, BY REGION, 2018–2020 (USD MILLION)

TABLE 37 MILITARY SENSORS MARKET SIZE, BY REGION, 2021–2026 (USD MILLION)

- 10.2 NORTH AMERICA
 - 10.2.1 COVID-19 IMPACT ON NORTH AMERICA
 - 10.2.2 PESTE ANALYSIS: NORTH AMERICA

FIGURE 24 NORTH AMERICA MILITARY SENSORS MARKET SNAPSHOT TABLE 38 NORTH AMERICA MILITARY SENSORS MARKET SIZE, BY PLATFORM, 2018–2020 (USD MILLION)

TABLE 39 NORTH AMERICA MILITARY SENSORS MARKET SIZE, BY PLATFORM, 2021–2026 (USD MILLION)



TABLE 40 NORTH AMERICA MILITARY SENSORS MARKET SIZE, BY APPLICATION, 2018–2020 (USD MILLION)

TABLE 41 NORTH AMERICA MILITARY SENSORS MARKET SIZE, BY APPLICATION, 2021–2026 (USD MILLION)

TABLE 42 NORTH AMERICA MILITARY SENSORS MARKET SIZE, BY COUNTRY, 2018–2020 (USD MILLION)

TABLE 43 NORTH AMERICA MILITARY SENSORS MARKET SIZE, BY COUNTRY, 2021–2026 (USD MILLION)

10.2.3 US

10.2.3.1 Presence of major players in this region will support the growth of military sensors market

TABLE 44 US MILITARY SENSORS MARKET SIZE, BY PLATFORM, 2018–2020 (USD MILLION)

TABLE 45 US MILITARY SENSORS MARKET SIZE, BY PLATFORM, 2021–2026 (USD MILLION)

TABLE 46 US MILITARY SENSORS MARKET SIZE, BY APPLICATION, 2018–2020 (USD MILLION)

TABLE 47 US MILITARY SENSORS MARKET SIZE, BY APPLICATION, 2021–2026 (USD MILLION)

10.2.4 CANADA

10.2.4.1 Increase in adoption of electric sensor systems in airborne and naval platforms will support the market growth of military sensors

TABLE 48 CANADA MILITARY SENSORS MARKET SIZE, BY PLATFORM, 2018–2020 (USD MILLION)

TABLE 49 CANADA MILITARY SENSORS MARKET SIZE, BY PLATFORM, 2021–2026 (USD MILLION)

TABLE 50 CANADA MILITARY SENSORS MARKET SIZE, BY APPLICATION, 2018–2020 (USD MILLION)

TABLE 51 CANADA MILITARY SENSORS MARKET SIZE, BY APPLICATION, 2021–2026 (USD MILLION)

10.3 EUROPE

10.3.1 COVID-19 IMPACT ON EUROPE

10.3.2 PESTLE ANALYSIS: EUROPE

FIGURE 25 EUROPE MILITARY SENSORS MARKET SNAPSHOT TABLE 52 EUROPE MILITARY SENSORS MARKET SIZE, BY PLATFORM.

2018-2020 (USD MILLION)

TABLE 53 EUROPE MILITARY SENSORS MARKET SIZE, BY PLATFORM, 2021–2026 (USD MILLION)

TABLE 54 EUROPE MILITARY SENSORS MARKET SIZE, BY APPLICATION,



2018-2020 (USD MILLION)

TABLE 55 EUROPE MILITARY SENSORS MARKET SIZE, BY APPLICATION, 2021–2026 (USD MILLION)

TABLE 56 EUROPE MILITARY SENSORS MARKET SIZE, BY COUNTRY, 2018–2020 (USD MILLION)

TABLE 57 EUROPE MILITARY SENSORS MARKET SIZE, BY COUNTRY, 2021–2026 (USD MILLION)

10.3.3 UK

10.3.3.1 The adoption of wearable technology for threat detection and information transfer will drive the military sensors market in UK

TABLE 58 UK MILITARY SENSORS MARKET SIZE, BY PLATFORM, 2018–2020 (USD MILLION)

TABLE 59 UK MILITARY SENSORS MARKET SIZE, BY PLATFORM, 2021–2026 (USD MILLION)

TABLE 60 UK MILITARY SENSORS MARKET SIZE, BY APPLICATION, 2018–2020 (USD MILLION)

TABLE 61 UK MILITARY SENSORS MARKET SIZE, BY APPLICATION, 2021–2026 (USD MILLION)

10.3.4 FRANCE

10.3.4.1 Increased demand for rugged sensor systems for the airborne defense industry will fuel the growth of the market in France.

TABLE 62 FRANCE MILITARY SENSORS MARKET SIZE, BY PLATFORM, 2018–2020 (USD MILLION)

TABLE 63 FRANCE MILITARY SENSORS MARKET SIZE, BY PLATFORM, 2021–2026 (USD MILLION)

TABLE 64 FRANCE MILITARY SENSORS MARKET SIZE, BY APPLICATION, 2018–2020 (USD MILLION)

TABLE 65 FRANCE MILITARY SENSORS MARKET SIZE, BY APPLICATION, 2021–2026 (USD MILLION)

10.3.5 GERMANY

10.3.5.1 The increasing need for interoperability, control, and monitoring of borders to check the entry of illegal immigrants will fuel the growth of military sensor market TABLE 66 GERMANY MILITARY SENSORS MARKET SIZE, BY PLATFORM, 2018–2020 (USD MILLION)

TABLE 67 GERMANY MILITARY SENSORS MARKET SIZE, BY PLATFORM, 2021–2026 (USD MILLION)

TABLE 68 GERMANY MILITARY SENSORS MARKET SIZE, BY APPLICATION, 2018–2020 (USD MILLION)

TABLE 69 GERMANY MILITARY SENSORS MARKET SIZE, BY APPLICATION,



2021-2026 (USD MILLION)

10.3.6 ITALY

10.3.6.1 Increased demand for Intelligence, Surveillance, and Reconnaissance (ISR) missions in support of NATO operations will fuel the growth of military sensors market TABLE 70 ITALY MILITARY SENSORS MARKET SIZE, BY PLATFORM, 2018–2020 (USD MILLION)

TABLE 71 ITALY MILITARY SENSORS MARKET SIZE, BY PLATFORM, 2021–2026 (USD MILLION)

TABLE 72 ITALY MILITARY SENSORS MARKET SIZE, BY APPLICATION, 2018–2020 (USD MILLION)

TABLE 73 ITALY MILITARY SENSORS MARKET SIZE, BY APPLICATION, 2021–2026 (USD MILLION)

10.3.7 RUSSIA

10.3.7.1 Russia's growing technological advances in electronic warfare to counter NATO's radar and sensor systems will drive the growth of military sensor market TABLE 74 RUSSIA MILITARY SENSORS MARKET SIZE, BY PLATFORM, 2018–2020 (USD MILLION)

TABLE 75 RUSSIA MILITARY SENSORS MARKET SIZE, BY PLATFORM, 2021–2026 (USD MILLION)

TABLE 76 RUSSIA MILITARY SENSORS MARKET SIZE, BY APPLICATION, 2018–2020 (USD MILLION)

TABLE 77 RUSSIA MILITARY SENSORS MARKET SIZE, BY APPLICATION, 2021–2026 (USD MILLION)

10.3.8 REST OF EUROPE

TABLE 78 REST OF EUROPE MILITARY SENSORS MARKET SIZE, BY PLATFORM, 2018–2020 (USD MILLION)

TABLE 79 REST OF EUROPE MILITARY SENSORS MARKET SIZE, BY PLATFORM, 2021–2026 (USD MILLION)

TABLE 80 REST OF EUROPE MILITARY SENSORS MARKET SIZE, BY APPLICATION, 2018–2020 (USD MILLION)

TABLE 81 REST OF EUROPE MILITARY SENSORS MARKET SIZE, BY APPLICATION, 2021–2026 (USD MILLION)

10.4 ASIA PACIFIC

10.4.1 COVID-19 IMPACT ON ASIA PACIFIC

10.4.2 ASIA PACIFIC: PESTLE ANALYSIS

FIGURE 26 ASIA PACIFIC MILITARY SENSORS MARKET SNAPSHOT TABLE 82 ASIA PACIFIC MILITARY SENSORS MARKET SIZE, BY PLATFORM, 2018–2020 (USD MILLION)

TABLE 83 ASIA PACIFIC MILITARY SENSORS MARKET SIZE, BY PLATFORM,



2021-2026 (USD MILLION)

TABLE 84 ASIA PACIFIC MILITARY SENSORS MARKET SIZE, BY APPLICATION, 2018–2020 (USD MILLION)

TABLE 85 ASIA PACIFIC MILITARY SENSORS MARKET SIZE, BY APPLICATION, 2021–2026 (USD MILLION)

TABLE 86 ASIA PACIFIC MILITARY SENSORS MARKET SIZE, BY COUNTRY, 2018–2020 (USD MILLION)

TABLE 87 ASIA PACIFIC MILITARY SENSORS MARKET SIZE, BY COUNTRY, 2021–2026 (USD MILLION)

10.4.3 CHINA

10.4.3.1 Increasing defense spending on advanced electronic systems are contributing to the growth of the military sensors market

TABLE 88 CHINA MILITARY SENSORS MARKET SIZE, BY PLATFORM, 2018–2020 (USD MILLION)

TABLE 89 CHINA MILITARY SENSORS MARKET SIZE, BY PLATFORM, 2021–2026 (USD MILLION)

TABLE 90 CHINA MILITARY SENSORS MARKET SIZE, BY APPLICATION, 2018–2020 (USD MILLION)

TABLE 91 CHINA MILITARY SENSORS MARKET SIZE, BY APPLICATION, 2021–2026 (USD MILLION)

10.4.4 INDIA

10.4.4.1 India's plans to enhance its network-centric warfare technologies will drive the military sensors market in India

TABLE 92 INDIA MILITARY SENSORS MARKET SIZE, BY PLATFORM, 2018–2020 (USD MILLION)

TABLE 93 INDIA MILITARY SENSORS MARKET SIZE, BY PLATFORM, 2021–2026 (USD MILLION)

TABLE 94 INDIA MILITARY SENSORS MARKET SIZE, BY APPLICATION, 2018–2020 (USD MILLION)

TABLE 95 INDIA MILITARY SENSORS MARKET SIZE, BY APPLICATION, 2021–2026 (USD MILLION)

10.4.5 JAPAN

10.4.5.1 Upgrade in surveillance and reconnaissance capabilities for defense against threats from China to drive the market of military sensors

TABLE 96 JAPAN MILITARY SENSORS MARKET SIZE, BY PLATFORM, 2018–2020 (USD MILLION)

TABLE 97 JAPAN MILITARY SENSORS MARKET SIZE, BY PLATFORM, 2021–2026 (USD MILLION)

TABLE 98 JAPAN MILITARY SENSORS MARKET SIZE, BY APPLICATION,



2018-2020 (USD MILLION)

TABLE 99 JAPAN MILITARY SENSORS MARKET SIZE, BY APPLICATION, 2021–2026 (USD MILLION)

10.4.6 AUSTRALIA

10.4.6.1 Rising regional tensions, military modernization, and terrorism to drive the Australian military sensors market

TABLE 100 AUSTRALIA MILITARY SENSORS MARKET SIZE, BY PLATFORM, 2018–2020 (USD MILLION)

TABLE 101 AUSTRALIA MILITARY SENSORS MARKET SIZE, BY PLATFORM, 2021–2026 (USD MILLION)

TABLE 102 AUSTRALIA MILITARY SENSORS MARKET SIZE, BY APPLICATION, 2018–2020 (USD MILLION)

TABLE 103 AUSTRALIA MILITARY SENSORS MARKET SIZE, BY APPLICATION, 2021–2026 (USD MILLION)

10.4.7 SOUTH KOREA

10.4.7.1 Increasing threat from North Korea's electronic jammers and continuous infiltrations to fuel the growth of military sensors market

TABLE 104 SOUTH KOREA MILITARY SENSORS MARKET SIZE, BY PLATFORM, 2018–2020 (USD MILLION)

TABLE 105 SOUTH KOREA MILITARY SENSORS MARKET SIZE, BY PLATFORM, 2021–2026 (USD MILLION)

TABLE 106 SOUTH KOREA MILITARY SENSORS MARKET SIZE, BY APPLICATION, 2018–2020 (USD MILLION)

TABLE 107 SOUTH KOREA MILITARY SENSORS MARKET SIZE, BY APPLICATION, 2021–2026 (USD MILLION)

10.4.8 REST OF ASIA PACIFIC

TABLE 108 REST OF ASIA PACIFIC MILITARY SENSORS MARKET SIZE, BY PLATFORM, 2018–2020 (USD MILLION)

TABLE 109 REST OF ASIA PACIFIC MILITARY SENSORS MARKET SIZE, BY PLATFORM, 2021–2026 (USD MILLION)

TABLE 110 REST OF ASIA PACIFIC MILITARY SENSORS MARKET SIZE, BY APPLICATION, 2018–2020 (USD MILLION)

TABLE 111 REST OF ASIA PACIFIC MILITARY SENSORS MARKET SIZE, BY APPLICATION, 2021–2026 (USD MILLION)

10.5 MIDDLE EAST

10.5.1 COVID-19 IMPACT ON THE MIDDLE EAST & AFRICA

10.5.2 PESTLE ANALYSIS: MIDDLE EAST & AFRICA

FIGURE 27 MIDDLE EAST MILITARY SENSORS MARKET SNAPSHOT

TABLE 112 MIDDLE EAST MILITARY SENSORS MARKET SIZE, BY PLATFORM,



2018-2020 (USD MILLION)

TABLE 113 MIDDLE EAST MILITARY SENSORS MARKET SIZE, BY PLATFORM, 2021–2026 (USD MILLION)

TABLE 114 MIDDLE EAST MILITARY SENSORS MARKET SIZE, BY APPLICATION, 2018–2020 (USD MILLION)

TABLE 115 MIDDLE EAST MILITARY SENSORS MARKET SIZE, BY APPLICATION, 2021–2026 (USD MILLION)

TABLE 116 MIDDLE EAST MILITARY SENSORS MARKET SIZE, BY COUNTRY, 2018–2020 (USD MILLION)

TABLE 117 MIDDLE EAST MILITARY SENSORS MARKET SIZE, BY COUNTRY, 2021–2026 (USD MILLION)

10.5.3 ISRAEL

10.5.3.1 Increasing counterterrorism activities and rising border tensions with neighbors are driving the military sensors market

TABLE 118 ISRAEL MILITARY SENSORS MARKET SIZE, BY PLATFORM, 2018–2020 (USD MILLION)

TABLE 119 ISRAEL MILITARY SENSORS MARKET SIZE, BY PLATFORM, 2021–2026 (USD MILLION)

TABLE 120 ISRAEL MILITARY SENSORS MARKET SIZE, BY APPLICATION, 2018–2020 (USD MILLION)

TABLE 121 ISRAEL MILITARY SENSORS MARKET SIZE, BY APPLICATION, 2021–2026 (USD MILLION)

10.5.4 SAUDI ARABIA

10.5.4.1 Regular MRO activities and upgrades of sensor technologies in airborne and naval platforms will boost demand for military sensors market

TABLE 122 SAUDI ARABIA MILITARY SENSORS MARKET SIZE, BY PLATFORM, 2018–2020 (USD MILLION)

TABLE 123 SAUDI ARABIA MILITARY SENSORS MARKET SIZE, BY PLATFORM, 2021–2026 (USD MILLION)

TABLE 124 SAUDI ARABIA MILITARY SENSORS MARKET SIZE, BY APPLICATION, 2018–2020 (USD MILLION)

TABLE 125 SAUDI ARABIA MILITARY SENSORS MARKET SIZE, BY APPLICATION, 2021–2026 (USD MILLION)

10.5.5 UAE

10.5.5.1 Tensions in the neighboring states will drive the growth of military sensors market

TABLE 126 UAE MILITARY SENSORS MARKET SIZE, BY PLATFORM, 2018–2020 (USD MILLION)

TABLE 127 UAE MILITARY SENSORS MARKET SIZE, BY PLATFORM, 2021-2026



(USD MILLION)

TABLE 128 UAE MILITARY SENSORS MARKET SIZE, BY APPLICATION, 2018–2020 (USD MILLION)

TABLE 129 UAE MILITARY SENSORS MARKET SIZE, BY APPLICATION, 2021–2026 (USD MILLION)

10.5.6 REST OF MIDDLE EAST

TABLE 130 REST OF MIDDLE EAST MILITARY SENSORS MARKET SIZE, BY PLATFORM, 2018–2020 (USD MILLION)

TABLE 131 REST OF MIDDLE EAST MILITARY SENSORS MARKET SIZE, BY PLATFORM, 2021–2026 (USD MILLION)

TABLE 132 REST OF MIDDLE EAST MILITARY SENSORS MARKET SIZE, BY APPLICATION, 2018–2020 (USD MILLION)

TABLE 133 REST OF MIDDLE EAST MILITARY SENSORS MARKET SIZE, BY APPLICATION, 2021–2026 (USD MILLION)

10.6 REST OF THE WORLD (ROW)

10.6.1 COVID-19 IMPACT ON LATIN AMERICA

10.6.2 PESTLE ANALYSIS: LATIN AMERICA

TABLE 134 REST OF THE WORLD MILITARY SENSORS MARKET SIZE, BY PLATFORM, 2018–2020 (USD MILLION)

TABLE 135 REST OF THE WORLD MILITARY SENSORS MARKET SIZE, BY PLATFORM, 2021–2026 (USD MILLION)

TABLE 136 REST OF THE WORLD MILITARY SENSORS MARKET SIZE, BY APPLICATION, 2018–2020 (USD MILLION)

TABLE 137 REST OF THE WORLD MILITARY SENSORS MARKET SIZE, BY APPLICATION, 2021–2026 (USD MILLION)

TABLE 138 REST OF THE WORLD MILITARY SENSORS MARKET SIZE, BY REGION, 2018–2020 (USD MILLION)

TABLE 139 REST OF THE WORLD MILITARY SENSORS MARKET SIZE, BY REGION, 2021–2026 (USD MILLION)

10.6.3 LATIN AMERICA

10.6.3.1 Growing adoption of advanced military computers and surveillance equipment by Brazilian defense forces is expected to drive the growth of the military sensors market

TABLE 140 LATIN AMERICA MILITARY SENSORS MARKET SIZE, BY PLATFORM, 2018–2020 (USD MILLION)

TABLE 141 LATIN AMERICA MILITARY SENSORS MARKET SIZE, BY PLATFORM, 2021–2026 (USD MILLION)

TABLE 142 LATIN AMERICA MILITARY SENSORS MARKET SIZE, BY APPLICATION, 2018–2020 (USD MILLION)



TABLE 143 LATIN AMERICA MILITARY SENSORS MARKET SIZE, BY APPLICATION, 2021–2026 (USD MILLION)

10.6.4 AFRICA

10.6.4.1 Increasing demand for air defense systems and ongoing military modernization in Africa to drive the growth of the market

TABLE 144 AFRICA MILITARY SENSORS MARKET SIZE, BY PLATFORM, 2018–2020 (USD MILLION)

TABLE 145 AFRICA MILITARY SENSORS MARKET SIZE, BY PLATFORM, 2021–2026 (USD MILLION)

TABLE 146 AFRICA MILITARY SENSORS MARKET SIZE, BY APPLICATION, 2018–2020 (USD MILLION)

TABLE 147 AFRICA MILITARY SENSORS MARKET SIZE, BY APPLICATION, 2021–2026 (USD MILLION)

11 COMPETITIVE LANDSCAPE

11.1 INTRODUCTION

11.2 COMPETITIVE OVERVIEW

TABLE 148 KEY DEVELOPMENTS BY LEADING PLAYERS IN THE MILITARY SENSORS MARKET BETWEEN 2018 AND 2021

FIGURE 28 MARKET EVALUATION FRAMEWORK: CONTRACTS IS A KEY STRATEGY ADOPTED BY MARKET PLAYERS

11.2.1 COMPETITIVE LEADERSHIP MAPPING

11.2.1.1 Star

11.2.1.2 Emerging leader

11.2.1.3 Pervasive

11.2.1.4 Participant

FIGURE 29 COMPETITIVE LEADERSHIP MAPPING, 2020

11.2.2 COMPETITIVE LEADERSHIP MAPPING (STARTUPS/SMES)

11.2.2.1 Progressive companies

11.2.2.2 Responsive companies

11.2.2.3 Dynamic companies

11.2.2.4 Starting blocks

FIGURE 30 COMPETITIVE LEADERSHIP MAPPING, (STARTUPS/SME) 2020

11.3 MARKET SHARE OF KEY PLAYERS, 2020

FIGURE 31 MARKET SHARE ANALYSIS OF TOP PLAYERS IN THE MILITARY SENSORS, 2020

11.4 MILITARY SENSORS MARKET: DEGREE OF COMPETITION

11.5 RANKING AND REVENUE ANALYSIS OF KEY PLAYERS, 2020



FIGURE 32 RANKING OF TOP PLAYERS IN THE MILITARY SENSORS MARKET, 2020

FIGURE 33 REVENUE ANALYSIS OF MILITARY SENSORS MARKET PLAYERS, 2016-2020

11.6 COMPANY PRODUCT FOOTPRINT ANALYSIS

TABLE 149 COMPETITIVE LEADERSHIP

TABLE 150 COMPANY PLATFORM FOOTPRINT

TABLE 151 COMPANY REGION FOOTPRINT

11.7 COMPETITIVE SCENARIO

11.7.1 MARKET EVALUATION FRAMEWORK

11.7.2 PRODUCT LAUNCHES AND DEVELOPMENTS

TABLE 152 PRODUCT LAUNCHES AND DEVELOPMENTS, 2017-2021

11.7.3 CONTRACTS

TABLE 153 CONTRACTS, 2017-2021

11.7.4 ACQUISITIONS/PARTNERSHIPS/JOINT

VENTURES/AGREEMENTS/EXPANSIONS

TABLE 154 ACQUISITIONS/PARTNERSHIPS/JOINT VENTURES/AGREEMENTS/ EXPANSIONS, 2017–2021

12 COMPANY PROFILES

(Business Overview, Products Offered, Recent Developments, SWOT Analysis, MnM View)*

12.1 INTRODUCTION

12.2 KEY PLAYERS

12.2.1 HONEYWELL INTERNATIONAL INC.

TABLE 155 HONEYWELL INTERNATIONAL INC: BUSINESS OVERVIEW

FIGURE 34 HONEYWELL INTERNATIONAL INC.: COMPANY SNAPSHOT

TABLE 156 HONEYWELL INTERNATIONAL INC: PRODUCT LAUNCHES

TABLE 157 HONEYWELL INTERNATIONAL INC: DEALS

12.2.2 TE CONNECTIVITY LTD.

TABLE 158 TE CONNECTIVITY: BUSINESS OVERVIEW

FIGURE 35 TE CONNECTIVITY LTD.: COMPANY SNAPSHOT

TABLE 159 PRODUCTS/SERVICES/SOLUTIONS OFFERED

TABLE 160 TE CONNECTIVITY: PRODUCT LAUNCHES

TABLE 161 TE CONNECTIVITY: DEALS

12.2.3 RAYTHEON TECHNOLOGIES

TABLE 162 RAYTHEON TECHNOLOGIES: BUSINESS OVERVIEW

FIGURE 36 RAYTHEON: COMPANY SNAPSHOT



TABLE 163 RAYTHEON TECHNOLOGIES: PRODUCT LAUNCHES

TABLE 164 RAYTHEON TECHNOLOGIES: DEALS

12.2.4 LOCKHEED MARTIN

TABLE 165 LOCKHEED MARTIN: BUSINESS OVERVIEW FIGURE 37 LOCKHEED MARTIN: COMPANY SNAPSHOT TABLE 166 LOCKHEED MARTIN: PRODUCT LAUNCHES

TABLE 167 LOCKHEED MARTIN: DEALS

12.2.5 THALES

TABLE 168 THALES: BUSINESS OVERVIEW FIGURE 38 THALES: COMPANY SNAPSHOT TABLE 169 THALES: PRODUCT LAUNCHES

TABLE 170 THALES: DEALS

12.2.6 KONGSBERG GRUPPEN

TABLE 171 KONGSBERG GRUPPEN: BUSINESS OVERVIEW FIGURE 39 KONGSBERG GRUPPEN: COMPANY SNAPSHOT TABLE 172 KONGSBERG GRUPPEN: PRODUCT LAUNCHES

TABLE 173 KONGSBERG GRUPPEN: DEALS

12.2.7 ULTRA ELECTRONICS

TABLE 174 ULTRA ELECTRONICS: BUSINESS OVERVIEW FIGURE 40 ULTRA ELECTRONICS: COMPANY SNAPSHOT

TABLE 175 ULTRA ELECTRONICS: DEALS

12.2.8 GENERAL ELECTRIC COMPANY

TABLE 176 GENERAL ELECTRIC COMPANY: BUSINESS OVERVIEW FIGURE 41 GENERAL ELECTRIC COMPANY: COMPANY SNAPSHOT TABLE 177 GENERAL ELECTRIC COMPANY: PRODUCT LAUNCHES

TABLE 178 GENERAL ELECTRIC COMPANY: DEALS

12.2.9 BAE SYSTEMS PLC

TABLE 179 BAE SYSTEMS: BUSINESS OVERVIEW

FIGURE 42 BAE SYSTEMS PLC: COMPANY SNAPSHOT

TABLE 180 BAE SYSTEMS: PRODUCT LAUNCHES

TABLE 181 BAE SYSTEMS: DEALS

12.2.10 CRANE AEROSPACE & ELECTRONICS, INC.

TABLE 182 CRANE AEROSPACE & ELECTRONICS, INC.: BUSINESS OVERVIEW FIGURE 43 CRANE AEROSPACE & ELECTRONICS, INC.: COMPANY SNAPSHOT

TABLE 183 CRANE AEROSPACE & ELECTRONICS, INC.: DEALS

12.2.11 MICROFLOWN AVISA B.V.

TABLE 184 MICROFLOWN TECHNOLOGIES: BUSINESS OVERVIEW TABLE 185 MICROFLOWN TECHNOLOGIES: PRODUCT LAUNCHES

12.2.12 VECTORNAV TECHNOLOGIES, LLC



TABLE 186 VECTORNAV TECHNOLOGIES: BUSINESS OVERVIEW

TABLE 187 VECTORNAV TECHNOLOGIES: PRODUCT LAUNCHES

TABLE 188 VECTORNAV TECHNOLOGIES: DEALS

12.2.13 VIOOA IMAGING TECHNOLOGY

TABLE 189 VIOOA IMAGING: BUSINESS OVERVIEW

TABLE 190 VIOOA IMAGING TECH: PRODUCT LAUNCHES

12.2.14 AEROSONIC

TABLE 191 AEROSONIC: BUSINESS OVERVIEW

TABLE 192 AEROSONIC: PRODUCT LAUNCHES

12.2.15 UNITED AIRCRAFT TECHNOLOGIES

TABLE 193 UNITED AIRCRAFT TECHNOLOGIES: BUSINESS OVERVIEW

TABLE 194 UNITED AIRCRAFT TECHNOLOGIES: PRODUCT LAUNCHES

TABLE 195 UNITED AIRCRAFT TECHNOLOGIES: DEALS

12.2.16 ROCKWEST SOLUTIONS

TABLE 196 ROCKWEST SOLUTIONS: BUSINESS OVERVIEW

TABLE 197 ROCKWEST SOLUTIONS: PRODUCT LAUNCHES

12.2.17 STELLAR TECHNOLOGY

TABLE 198 STELLAR TECHNOLOGY: BUSINESS OVERVIEW

12.2.18 LORD SENSING

TABLE 199 LORD SENSING: BUSINESS OVERVIEW

TABLE 200 LORD SENSING: PRODUCT LAUNCHES

12.3 OTHER PLAYERS

12.3.1 EMCORE TECHNOLOGIES

12.3.2 AMPHENOL CORPORATION

12.3.3 TRIMBLE CORPORATION

*Details on Business Overview, Products Offered, Recent Developments, SWOT

Analysis, MnM View might not be captured in case of unlisted companies.

13 APPENDIX

13.1 DISCUSSION GUIDE

FIGURE 44 MARKET SEGMENTATION

13.2 KNOWLEDGE STORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL

13.3 AVAILABLE CUSTOMIZATIONS

13.4 RELATED REPORTS

13.5 AUTHOR DETAILS



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