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# Aircraft Sensors Market by aircraft type (Fixed-wing, Rotary-wing, UAVs, AAM), Application (Engine, Aerostructures, Fuel & Hydraulic, Cabin), Sensor Type, End Use (OEM, Aftermarket), Connectivity (Wired, Wireless) and Region - Global Forecast to 2027

https://marketpublishers.com/r/AF34B84F817EN.html
Date: September 2022
Pages: 239
Price: US$ 4,950.00 (Single User License)
ID: AF34B84F817EN

## Abstracts

The Aircraft Sensors Market is projected to grow from USD 4.7 billion in 2022 to USD 7.0 billion by 2027, at a CAGR of 8.3% during the forecast period.

The aviation industry is witnessing major transformations in terms of technological advancements in aircraft models. This has given rise to improvements in the sensor networks used in aircraft. More electric and hybrid electric aircraft are part of the future of the aviation industry, with their adoption rate expected to significantly increase in the future.

In the last 10 years, there have been significant advancements in technologies used in aircraft sensors. These technologies have enhanced the flight control capabilities and situational awareness levels of pilots while increasing the comfort level of passengers. They have resulted in the improvement of overall operational efficiency of both, commercial and military aircraft, making them better suited to carry out critical and complex air missions as well as maintain effective day-to-day operations of military and commercial airlines, respectively.

Fixed Wing segment to witness largest market share in the forecast period

By Aircraft Type, the fixed wing segment is expected to growth the highest in the

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forecast period. The increase in air traffic is driving the demand for commercial aircraft across all regions. The increasing air traffic is also driving the need to ensure safety and health of these aircrafts. Hence advanced and efficient sensors solutions are required to ensure health and safety of these aircraft. This is one of the major factors driving the need for aircraft sensors.

Temperature Sensors to witness highest growth in the forecast period.

Based on Sensor type, the Temperature sensors are witnessing highest growth in the forecast period. Temperature sensors are widely used for application in fuel temperatures, outside air temperature, cabin temperature, cargo temperature, and turbine inlet temperature. Increasing air traffic, higher operating costs, and greater performance demands have made precision air data measurements necessary for safety and maximum performance. Thus, accurate and reliable total temperature measurement is essential for the efficient operation of aircraft.

Break-up of profile of primary participants in the aircraft sensors market:

By Company Type: Tier 1 – 20%, Tier 2 – 55%, and Tier 3 – 25%

By Designation: C Level – 50%, Director Level – 25%, and Others – 25%

By Region: North America – 60%, Europe – 20%, Asia Pacific – 10%, South America– 5%, and RoW – 5%

Major players operating in the aircraft sensors market include Honeywell (US), TE Connectivity (US), Meggitt PLC (UK), AMETEK Inc. (US), and Safran (France)among others. These key players offer aircraft sensors and services to different key stakeholders.

Research Coverage:

This research report categorizes the aircraft generator market on the basis of aircraft type (Fixed-wing, Rotary-wing, UAVs, AAM), Application (Engine, Aerostructures, Fuel & Hydraulic, Cabin), Sensor Type, End Use (OEM, Aftermarket), Connectivity (Wired, Wireless), and Region. These segments have been mapped across major regions, namely, North America, Europe, Asia Pacific, Middle East, Latin America, and Africa. The scope of the report covers detailed information regarding the major factors, such as

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drivers, restraints, challenges, and opportunities, influencing the growth of the aircraft sensors market. A detailed analysis of the key industry players has been done to provide insights into their business overviews; solutions and services; key strategies; new product launches; mergers; and partnerships, agreements, and collaborations; and recent developments associated with the sustainable aviation fuel market. In addition, the startups in aircraft sensors market ecosystem are covered in this report to provide usable insights and developments happening in the emerging market of aircraft sensors.

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 aircraft sensors market and the subsegments. 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 aircraft sensors market offered by the top players in the market

Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product launches, contracts, agreements, and expansion plans in the aircraft sensors market.

Market Development: Comprehensive information about lucrative markets – the report analyzes the aircraft sensors market across varied regions.

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

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

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# Contents


## 1 INTRODUCTION

1.1 STUDY OBJECTIVES
1.2 MARKET DEFINITION
1.3 MARKET SCOPE
  1.3.1 MARKETS COVERED
FIGURE 1 AIRCRAFT SENSORS MARKET SEGMENTATION
  1.3.2 REGIONAL SCOPE
FIGURE 2 AIRCRAFT SENSORS MARKET: REGIONAL SCOPE
  1.3.3 YEARS CONSIDERED
FIGURE 3 AIRCRAFT SENSORS MARKET: YEARS CONSIDERED
1.4 INCLUSIONS AND EXCLUSIONS
TABLE 1 INCLUSIONS AND EXCLUSIONS
1.5 CURRENCY & PRICING
TABLE 2 USD YEARLY AVERAGE EXCHANGE RATES
1.6 LIMITATIONS
1.7 MARKET STAKEHOLDERS
1.8 SUMMARY OF CHANGES
FIGURE 1 AIRCRAFT SENSORS MARKET: SUMMARY OF CHANGES

## 2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA
FIGURE 2 RESEARCH PROCESS FLOW
FIGURE 3 AIRCRAFT SENSORS MARKET: RESEARCH DESIGN
  2.1.1 SECONDARY DATA
    2.1.1.1 Key data from secondary sources
  2.1.2 PRIMARY DATA
    2.1.2.1 Key primary sources
2.2 DEMAND- & SUPPLY-SIDE ANALYSIS
  2.2.1 INTRODUCTION
  2.2.2 DEMAND-SIDE INDICATORS
    2.2.2.1 Growing trend of more electric technology
    2.2.2.2 Increasing demand for new commercial aircraft
  2.2.3 SUPPLY-SIDE INDICATORS
    2.2.3.1 Advancements in technologies to make aircraft more fault-tolerant and efficient

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2.3 MARKET SIZE ESTIMATION
2.3.1 AIRCRAFT SENSORS MARKET: SEGMENTS AND SUBSEGMENTS
2.4 RESEARCH APPROACH & METHODOLOGY
2.4.1 AIRCRAFT SENSORS MARKET: BOTTOM-UP APPROACH
FIGURE 4 MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP APPROACH
2.4.2 AIRCRAFT SENSORS MARKET: TOP-DOWN APPROACH
FIGURE 5 MARKET SIZE ESTIMATION METHODOLOGY: TOP-DOWN APPROACH
2.5 MARKET BREAKDOWN & DATA TRIANGULATION
FIGURE 6 DATA TRIANGULATION
2.6 GROWTH RATE ASSUMPTIONS
2.7 ASSUMPTIONS FOR RESEARCH STUDY
2.8 RISKS

**3 EXECUTIVE SUMMARY**

FIGURE 7 FUEL, HYDRAULIC, AND PNEUMATIC SYSTEMS TO BE LARGEST APPLICATION IN 2022
FIGURE 8 WIRED CONNECTIVITY SEGMENT TO ACCOUNT FOR MAJOR MARKET SHARE IN 2022
FIGURE 9 NORTH AMERICA TO DOMINATE AIRCRAFT SENSORS MARKET IN 2022

**4 PREMIUM INSIGHTS**

4.1 ATTRACTIVE GROWTH OPPORTUNITIES FOR PLAYERS IN AIRCRAFT SENSORS MARKET
FIGURE 10 INCREASING NEED FOR ADVANCED SENSING SOLUTIONS EXPECTED TO DRIVE MARKET FROM 2022 TO 2027
4.2 AIRCRAFT SENSORS MARKET, BY END USE
FIGURE 11 OEM SEGMENT PROJECT TO LEAD MARKET FROM 2022 TO 2027
4.3 AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE
FIGURE 12 FIXED-WING SEGMENT PROJECTED TO DOMINATE MARKET FROM 2022 TO 2027
4.4 AIRCRAFT SENSORS MARKET, BY COUNTRY
FIGURE 13 AIRCRAFT SENSORS MARKET IN AUSTRALIA PROJECTED TO REGISTER HIGHEST CAGR FROM 2022 TO 2027

**5 MARKET OVERVIEW**

+44 20 8123 2220
info@marketpublishers.com

5.1 INTRODUCTION
5.2 MARKET DYNAMICS
FIGURE 14 AIRCRAFT SENSORS: MARKET DYNAMICS
5.2.1 DRIVERS
5.2.1.1 Increased usage of sensors for data sensing & measurement
5.2.1.2 Advancements in micro-electrical-mechanical systems (MEMS) technology
5.2.1.3 High demand for sensors in military UAVs
5.2.2 RESTRAINTS
5.2.2.1 Frequent calibration of sensors to ensure efficient working of systems
5.2.3 OPPORTUNITIES
5.2.3.1 Increased adoption of internet of things in aviation industry
5.2.3.2 Increasing need for sensors for structural monitoring
5.2.4 CHALLENGES
5.2.4.1 Cybersecurity risks
5.3 AIRCRAFT SENSORS MARKET: VALUE CHAIN ANALYSIS
FIGURE 15 VALUE CHAIN ANALYSIS: AIRCRAFT SENSORS MARKET
5.4 AIRCRAFT SENSORS MARKET ECOSYSTEM
5.4.1 PROMINENT COMPANIES
5.4.2 PRIVATE AND SMALL ENTERPRISES
5.4.3 END USERS
FIGURE 16 AIRCRAFT SENSORS MARKET ECOSYSTEM MAP
TABLE 3 AIRCRAFT SENSORS MARKET ECOSYSTEM
5.5 TRADE DATA STATISTICS
TABLE 4 TRADE DATA FOR AIRCRAFT SENSORS IN INDIA
5.6 TECHNOLOGY ANALYSIS
5.6.1 INCREASED SITUATIONAL AWARENESS
5.6.2 MICRO-ELECTRO-MECHANICAL SYSTEMS (MEMS) AND NANO TECHNOLOGY
5.6.3 NEXT-GENERATION SENSOR SYSTEMS
5.7 CASE STUDY ANALYSIS
5.7.1 USE CASE: WIRELESS AIRCRAFT TIRE BRAKE & TEMPERATURE MONITORING SYSTEM
5.7.2 USE CASE: CAN-BUS DATA CONNECTIVITY SENSORS
5.8 TRENDS/DISRUPTIONS IMPACTING CUSTOMER BUSINESS
5.8.1 REVENUE SHIFT AND NEW REVENUE POCKETS FOR AIRCRAFT SENSOR MANUFACTURERS
FIGURE 17 REVENUE SHIFT IN AIRCRAFT SENSORS MARKET
5.9 PORTER'S FIVE FORCES ANALYSIS
TABLE 5 AIRCRAFT SENSORS MARKET: PORTER'S FIVE FORCE ANALYSIS

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FIGURE 18 AIRCRAFT SENSORS MARKET: 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 INTENSITY OF COMPETITIVE RIVALRY
5.10 KEY STAKEHOLDERS AND BUYING CRITERIA
5.10.1 KEY STAKEHOLDERS IN BUYING PROCESS
FIGURE 19 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS OF AIRCRAFT SENSORS
TABLE 6 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS OF AIRCRAFT SENSORS (%)
5.10.2 BUYING CRITERIA
FIGURE 20 KEY BUYING CRITERIA FOR AIRCRAFT SENSORS
TABLE 7 KEY BUYING CRITERIA FOR AIRCRAFT SENSORS
5.11 KEY CONFERENCES AND EVENTS IN 2022–2023
TABLE 8 AIRCRAFT SENSORS MARKET: CONFERENCES AND EVENTS (2022–2023)
5.12 TARIFF AND REGULATORY LANDSCAPE FOR AEROSPACE INDUSTRY
TABLE 9 NORTH AMERICA: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS
TABLE 10 EUROPE: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS
TABLE 11 ASIA PACIFIC: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS
TABLE 12 REST OF WORLD: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

**6 INDUSTRY TRENDS**

6.1 INTRODUCTION
6.2 SUPPLY CHAIN ANALYSIS
FIGURE 21 SUPPLY CHAIN ANALYSIS
6.3 TECHNOLOGY TRENDS IN AIRCRAFT SENSORS MARKET
6.3.1 WIRELESS SENSING SYSTEMS
6.3.2 MULTI-SENSOR POD SYSTEMS
6.4 IMPACT OF MEGATRENDS
6.5 AIRCRAFT SENSORS MARKET: PATENT ANALYSIS
TABLE 13 KEY PATENTS

+44 20 8123 2220
info@marketpublishers.com

## 7 AIRCRAFT SENSORS MARKET, BY SENSOR TYPE

7.1 INTRODUCTION
FIGURE 22 PROXIMITY SENSORS PROJECTED TO LEAD MARKET DURING FORECAST PERIOD
TABLE 14 AIRCRAFT SENSORS MARKET, BY SENSOR TYPE, 2018–2021 (USD MILLION)
TABLE 15 AIRCRAFT SENSORS MARKET, BY SENSOR TYPE, 2022–2027 (USD MILLION)
7.2 PRESSURE SENSORS
7.2.1 INCREASED USAGE IN CABIN PRESSURE SENSING AND LIQUID PRESSURE SENSING
7.3 TEMPERATURE SENSORS
7.3.1 USED IN COMMERCIAL AND MILITARY AIRCRAFT FOR OPTIMAL SYSTEM TEMPERATURE
7.4 FORCE SENSORS
7.4.1 INCREASING ADOPTION IN ELECTRONIC CONTROL SYSTEMS TO IMPROVE RESPONSE TIME
7.5 TORQUE SENSORS
7.5.1 INCREASE IN DEMAND FOR HIGH-QUALITY SENSORS WITH REGULATION STAMPS
7.6 SPEED SENSORS
7.6.1 USED TO MONITOR RPM OF AIRCRAFT ENGINES
7.7 POSITION & DISPLACEMENT SENSORS
7.7.1 REQUIRED IN CRITICAL FLIGHT CONTROL SYSTEMS WITH ENGINES AND HYDRAULIC SYSTEMS
7.8 LEVEL SENSORS
7.8.1 INTEGRAL TO MONITORING OF FUEL AND OTHER FLUID LEVELS
7.9 PROXIMITY SENSORS
7.9.1 VITAL TO SAFETY OF AEROSTRUCTURE AND OTHER SUBSYSTEMS
7.10 FLOW SENSORS
7.10.1 INDICATE FLOW LEVEL OF FLUIDS ACROSS ALL SYSTEMS
7.11 OPTICAL SENSORS
7.11.1 INCREASING USAGE IN MILITARY AND AUTONOMOUS APPLICATIONS
7.12 MOTION SENSORS
7.12.1 USED FOR NAVIGATION AND TO MEASURE VIBRATIONS
7.13 RADAR SENSORS
7.13.1 WIDE-SCALE USAGE IN WEATHER AND COMMUNICATION SYSTEMS

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7.14 SMOKE DETECTION SENSORS
7.14.1 INCREASING DEMAND TO DETECT AND PREVENT FIRES
7.15 GPS SENSORS
7.15.1 USED AS PARALLEL SYSTEM TO MEASURE SPEED AND POSITION
7.16 OTHERS
7.16.1 TECHNOLOGICAL DEVELOPMENTS IN CABINS AND FLIGHT DECKS ON THE RISE

**8 AIRCRAFT SENSORS MARKET, BY APPLICATION**

8.1 INTRODUCTION
FIGURE 23 FUEL, HYDRAULIC, AND PNEUMATIC SYSTEMS TO DOMINATE DURING FORECAST PERIOD
TABLE 16 AIRCRAFT SENSORS MARKET, BY APPLICATION, 2018–2021 (USD MILLION)
TABLE 17 AIRCRAFT SENSORS MARKET, BY APPLICATION, 2022–2027 (USD MILLION)
8.2 FUEL, HYDRAULIC, AND PNEUMATIC SYSTEMS
8.2.1 USED FOR OPTIMUM OPERATION OF SYSTEMS
8.3 ENGINE/PROPULSION
8.3.1 USED IN ELECTRICAL SYSTEMS OF COMMERCIAL AND MILITARY AIRCRAFT
8.4 CABIN & CARGO ENVIRONMENTAL CONTROLS
8.4.1 ADVANCEMENTS IN CABINS ENHANCE PASSENGER EXPERIENCE
8.5 AEROSTRUCTURE & FLIGHT CONTROLS
8.5.1 INCREASING ADOPTION TO MAINTAIN OPTIMUM CONDITIONS
8.6 FLIGHT DECKS
8.6.1 SENSORS USED TO PROVIDE MORE INFORMATION ON FLIGHT AND SYSTEM OPERATIONS
8.7 LANDING GEAR SYSTEMS
8.7.1 INTEGRAL FOR SAFETY OF AIRCRAFT
8.8 WEAPON SYSTEMS
8.8.1 INCREASING TECHNOLOGICAL ADVANCEMENTS DRIVE DEMAND FOR SENSORS
8.9 OTHERS
8.9.1 ENSURE OPTIMUM HEALTH OF AIRCRAFT

**9 AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE**

+44 20 8123 2220
info@marketpublishers.com

9.1 INTRODUCTION
FIGURE 24 FIXED-WING SEGMENT PROJECTED TO HOLD LARGEST MARKET SHARE DURING FORECAST PERIOD
TABLE 18 AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2018–2021 (USD MILLION)
TABLE 19 AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2022–2027 (USD MILLION)
9.2 FIXED-WING AIRCRAFT
9.2.1 COMMERCIAL AVIATION
TABLE 20 COMMERCIAL AVIATION: FIXED-WING AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2018–2021 (USD MILLION)
TABLE 21 COMMERCIAL AVIATION: FIXED-WING AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2022–2027 (USD MILLION)
9.2.1.1 Narrow-body aircraft
9.2.1.1.1 Ideal to accommodate high air passenger traffic
9.2.1.2 Wide-body aircraft
9.2.1.2.1 Increase in long-haul travel boosts production
9.2.1.3 Regional transport aircraft
9.2.1.3.1 Increasing use in US and Japan
9.2.2 BUSINESS & GENERAL AVIATION
TABLE 22 BUSINESS & GENERAL AVIATION: FIXED-WING AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2018–2021 (USD MILLION)
TABLE 23 BUSINESS & GENERAL AVIATION: FIXED-WING AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2022–2027 (USD MILLION)
9.2.2.1 Business jets
9.2.2.1.1 Increase in private aviation companies across the globe
9.2.2.2 Light aircraft
9.2.2.2.1 Technology advancements and modernization of general aviation
9.2.3 MILITARY AVIATION
TABLE 24 MILITARY AVIATION: FIXED-WING AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2018–2021 (USD MILLION)
TABLE 25 MILITARY AVIATION: FIXED-WING AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2022–2027 (USD MILLION)
9.2.3.1 Fighter aircraft
9.2.3.1.1 Growing use in regions with border tensions
9.2.3.2 Transport aircraft
9.2.3.2.1 Increasing demand in military operations
9.2.3.3 Special Mission Aircraft
9.2.3.3.1 Demand driven by high defense spending and territorial disputes

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info@marketpublishers.com

9.3 ROTARY-WING AIRCRAFT
TABLE 26 ROTARY-WING AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2018–2021 (USD MILLION)
TABLE 27 ROTARY-WING AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2022–2027 (USD MILLION)
9.3.1 COMMERCIAL HELICOPTERS
9.3.1.1 Increasing usage for corporate and emergency purposes
9.3.2 MILITARY HELICOPTERS
9.3.2.1 Technologically advanced with next-generation electro-optic systems
9.4 UNMANNED AERIAL VEHICLES
9.4.1 FIXED-WING UAVS
9.4.1.1 Surveillance and communication drones widely used
9.4.2 FIXED-WING HYBRID VTOL UAVS
9.4.2.1 Increasing usage for cargo delivery and transportation
9.4.3 ROTARY-WING UAVS
9.4.3.1 Used in law enforcement and agriculture
TABLE 28 UNMANNED AERIAL VEHICLES: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2018–2021 (USD MILLION)
TABLE 29 UNMANNED AERIAL VEHICLES: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2022–2027 (USD MILLION)
9.5 ADVANCED AIR MOBILITY
TABLE 30 ADVANCED AIR MOBILITY: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2022–2027 (USD MILLION)
9.5.1 AIR TAXIS
9.5.1.1 Manned taxis
9.5.1.2 Drone taxis
9.5.2 AIR SHUTTLES & AIR METROS
9.5.3 PERSONAL AERIAL VEHICLES
9.5.4 CARGO AIR VEHICLES
9.5.5 LAST-MILE DELIVERY VEHICLES
9.5.6 AIR AMBULANCES & MEDICAL EMERGENCY VEHICLES

**10 AIRCRAFT SENSORS MARKET, BY END USE**

10.1 INTRODUCTION
FIGURE 25 OEM SEGMENT PROJECTED TO COMMAND MARKET DURING FORECAST PERIOD
TABLE 31 AIRCRAFT SENSORS MARKET, BY END USE, 2018–2021 (USD MILLION)
TABLE 32 AIRCRAFT SENSORS MARKET, BY END USE, 2022–2027 (USD MILLION)

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10.2 ORIGINAL EQUIPMENT MANUFACTURERS (OEM)
10.2.1 INCREASING NEED FOR NEW AIRCRAFT DRIVES MANUFACTURING
10.3 AFTERMARKET
10.3.1 FOCUS ON REDUCED REPAIR TIME AND IMPROVED READINESS

**11 AIRCRAFT SENSORS MARKET, BY CONNECTIVITY**

11.1 INTRODUCTION
FIGURE 26 WIRED SENSORS PROJECTED TO BE LARGEST SEGMENT DURING FORECAST PERIOD
TABLE 33 AIRCRAFT SENSORS MARKET, BY CONNECTIVITY, 2018–2021 (USD MILLION)
TABLE 34 AIRCRAFT SENSORS MARKET, BY CONNECTIVITY, 2022–2027 (USD MILLION)
11.2 WIRED SENSORS
11.2.1 CONVENTIONAL AND RELIABLE METHOD OF DATA MEASUREMENT AND CONTROL
11.3 WIRELESS SENSORS
11.3.1 FOCUS ON ENHANCED ACCURACY AND PRECISION

**12 REGIONAL ANALYSIS**

12.1 INTRODUCTION
FIGURE 27 AIRCRAFT SENSORS MARKET: REGIONAL SNAPSHOT
TABLE 35 AIRCRAFT SENSORS MARKET, BY REGION, 2018–2021 (USD MILLION)
TABLE 36 AIRCRAFT SENSORS MARKET, BY REGION, 2022–2027 (USD MILLION)
12.2 NORTH AMERICA
FIGURE 28 NORTH AMERICA: AIRCRAFT SENSORS MARKET SNAPSHOT
12.2.1 PESTLE ANALYSIS: NORTH AMERICA
TABLE 37 NORTH AMERICA: AIRCRAFT SENSORS MARKET, BY COUNTRY, 2018–2021 (USD MILLION)
TABLE 38 NORTH AMERICA: AIRCRAFT SENSORS MARKET, BY COUNTRY, 2022–2027 (USD MILLION)
TABLE 39 NORTH AMERICA: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2018–2021 (USD MILLION)
TABLE 40 NORTH AMERICA: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2022–2027 (USD MILLION)
TABLE 41 NORTH AMERICA: AIRCRAFT GENERATOR MARKET, BY END USE, 2018–2021 (USD MILLION)

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TABLE 42 NORTH AMERICA: AIRCRAFT SENSORS MARKET, BY END USE, 2022–2027 (USD MILLION)
12.2.2 US
12.2.2.1 Presence of leading OEMs to drive market
TABLE 43 US: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2018–2021 (USD MILLION)
TABLE 44 US: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2022–2027 (USD MILLION)
TABLE 45 US: AIRCRAFT SENSORS MARKET, BY END USE, 2018–2021 (USD MILLION)
TABLE 46 US: AIRCRAFT SENSORS MARKET, BY END USE, 2022–2027 (USD MILLION)
12.2.3 CANADA
12.2.3.1 Aircraft modernization programs to fuel demand for aircraft sensors
TABLE 47 CANADA: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2018–2021 (USD MILLION)
TABLE 48 CANADA: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2022–2027 (USD MILLION)
TABLE 49 CANADA: AIRCRAFT SENSORS MARKET, BY END USE, 2018–2021 (USD MILLION)
TABLE 50 CANADA: AIRCRAFT SENSORS MARKET, BY END USE, 2022–2027 (USD MILLION)
12.3 EUROPE
FIGURE 29 EUROPE: AIRCRAFT SENSORS MARKET SNAPSHOT
12.3.1 PESTLE ANALYSIS
TABLE 51 EUROPE: AIRCRAFT SENSORS MARKET, BY COUNTRY, 2018–2021 (USD MILLION)
TABLE 52 EUROPE: AIRCRAFT SENSORS MARKET, BY COUNTRY, 2022–2027 (USD MILLION)
TABLE 53 EUROPE: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2018–2021 (USD MILLION)
TABLE 54 EUROPE: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2022–2027 (USD MILLION)
TABLE 55 EUROPE: AIRCRAFT SENSORS MARKET, BY END USE, 2018–2021 (USD MILLION)
TABLE 56 EUROPE: AIRCRAFT SENSORS MARKET, BY END USE, 2022–2027 (USD MILLION)
12.3.2 UK
12.3.2.1 Technological advancements in air travel to drive market

+44 20 8123 2220
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TABLE 57 UK: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2018–2021 (USD MILLION)
TABLE 58 UK: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2022–2027 (USD MILLION)
TABLE 59 UK: AIRCRAFT SENSORS MARKET, BY END USE, 2018–2021 (USD MILLION)
TABLE 60 UK: AIRCRAFT SENSORS MARKET, BY END USE, 2022–2027 (USD MILLION)
12.3.3 FRANCE
12.3.3.1 Heavy investments in aerospace to increase demand for aircraft sensors
TABLE 61 FRANCE: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2018–2021 (USD MILLION)
TABLE 62 FRANCE: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2022–2027 (USD MILLION)
TABLE 63 FRANCE: AIRCRAFT SENSORS MARKET, BY END USE, 2018–2021 (USD MILLION)
TABLE 64 FRANCE: AIRCRAFT SENSORS MARKET, BY END USE, 2022–2027 (USD MILLION)
12.3.4 GERMANY
12.3.4.1 Growing investments in air travel and connectivity to drive market
TABLE 65 GERMANY: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2018–2021 (USD MILLION)
TABLE 66 GERMANY: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2022–2027 (USD MILLION)
TABLE 67 GERMANY: AIRCRAFT SENSORS MARKET, BY END USE, 2018–2021 (USD MILLION)
TABLE 68 GERMANY: AIRCRAFT SENSORS MARKET, BY END USE, 2022–2027 (USD MILLION)
12.3.5 ITALY
12.3.5.1 Demand for electric components from domestic aircraft manufacturers supports market growth
TABLE 69 ITALY: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2018–2021 (USD MILLION)
TABLE 70 ITALY: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2022–2027 (USD MILLION)
TABLE 71 ITALY: AIRCRAFT SENSORS MARKET, BY END USE, 2018–2021 (USD MILLION)
TABLE 72 ITALY: AIRCRAFT SENSORS MARKET, BY END USE, 2022–2027 (USD MILLION)

+44 20 8123 2220
info@marketpublishers.com

12.3.6 RUSSIA
12.3.6.1 Ongoing Russo-Ukrainian war impeding market growth
TABLE 73 RUSSIA: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2018–2021 (USD MILLION)
TABLE 74 RUSSIA: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2022–2027 (USD MILLION)
TABLE 75 RUSSIA: AIRCRAFT SENSORS MARKET, BY END USE, 2018–2021 (USD MILLION)
TABLE 76 RUSSIA: AIRCRAFT SENSORS MARKET, BY END USE, 2022–2027 (USD MILLION)
12.3.7 REST OF EUROPE
12.3.7.1 Aviation development initiatives by countries in Rest of Europe to drive market growth
TABLE 77 REST OF EUROPE: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2018–2021 (USD MILLION)
TABLE 78 REST OF EUROPE: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2022–2027 (USD MILLION)
TABLE 79 REST OF EUROPE: AIRCRAFT SENSORS MARKET, BY END USE, 2018–2021 (USD MILLION)
TABLE 80 REST OF EUROPE: AIRCRAFT SENSORS MARKET, BY END USE, 2022–2027 (USD MILLION)
12.4 ASIA PACIFIC
FIGURE 30 ASIA PACIFIC: AIRCRAFT SENSORS MARKET SNAPSHOT
12.4.1 PESTLE ANALYSIS: ASIA PACIFIC
TABLE 81 ASIA PACIFIC: AIRCRAFT SENSORS MARKET, BY COUNTRY, 2018–2021 (USD MILLION)
TABLE 82 ASIA PACIFIC: AIRCRAFT SENSORS MARKET, BY COUNTRY, 2022–2027 (USD MILLION)
TABLE 83 ASIA PACIFIC: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2018–2021 (USD MILLION)
TABLE 84 ASIA PACIFIC: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2022–2027 (USD MILLION)
TABLE 85 ASIA PACIFIC: AIRCRAFT SENSORS MARKET, BY END USE, 2018–2021 (USD MILLION)
TABLE 86 ASIA PACIFIC: AIRCRAFT SENSORS MARKET, BY END USE, 2022–2027 (USD MILLION)
12.4.2 CHINA
12.4.2.1 Growing demand for aerospace products to drive market
TABLE 87 CHINA: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2018–2021

(USD MILLION)
TABLE 88 CHINA: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2022–2027 (USD MILLION)
TABLE 89 CHINA: AIRCRAFT SENSORS MARKET, BY END USE, 2018–2021 (USD MILLION)
TABLE 90 CHINA: AIRCRAFT SENSORS MARKET, BY END USE, 2022–2027 (USD MILLION)
12.4.3 INDIA
12.4.3.1 Improving domestic capabilities of aerospace industry to drive market
TABLE 91 INDIA: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2018–2021 (USD MILLION)
TABLE 92 INDIA: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2022–2027 (USD MILLION)
TABLE 93 INDIA: AIRCRAFT SENSORS MARKET, BY END USE, 2018–2021 (USD MILLION)
TABLE 94 INDIA: AIRCRAFT SENSORS MARKET, BY END USE, 2022–2027 (USD MILLION)
12.4.4 JAPAN
12.4.4.1 Increasing in-house development of aircraft to drive demand for sensors
TABLE 95 JAPAN: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2018–2021 (USD MILLION)
TABLE 96 JAPAN: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2022–2027 (USD MILLION)
TABLE 97 JAPAN: AIRCRAFT SENSORS MARKET, BY END USE, 2018–2021 (USD MILLION)
TABLE 98 JAPAN: AIRCRAFT SENSORS MARKET, BY END USE, 2022–2027 (USD MILLION)
12.4.5 AUSTRALIA
12.4.5.1 Increase in air traffic and new aircraft deliveries to fuel market growth
TABLE 99 AUSTRALIA: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2018–2021 (USD MILLION)
TABLE 100 AUSTRALIA: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2022–2027 (USD MILLION)
TABLE 101 AUSTRALIA: AIRCRAFT SENSORS MARKET, BY END USE, 2018–2021 (USD MILLION)
TABLE 102 AUSTRALIA: AIRCRAFT SENSORS MARKET, BY END USE, 2022–2027 (USD MILLION)
12.4.6 SOUTH KOREA
12.4.6.1 Modernization programs in aviation industry to drive demand for aircraft

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sensors
TABLE 103 SOUTH KOREA: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2018–2021 (USD MILLION)
TABLE 104 SOUTH KOREA: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2022–2027 (USD MILLION)
TABLE 105 SOUTH KOREA: AIRCRAFT SENSORS MARKET, BY END USE, 2018–2021 (USD MILLION)
TABLE 106 SOUTH KOREA: AIRCRAFT SENSORS MARKET, BY END USE, 2022–2027 (USD MILLION)
12.4.7 REST OF ASIA PACIFIC
12.4.7.1 Replacement of aging aircraft to drive market growth
TABLE 107 REST OF ASIA PACIFIC: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2018–2021 (USD MILLION)
TABLE 108 REST OF ASIA PACIFIC: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2022–2027 (USD MILLION)
TABLE 109 REST OF ASIA PACIFIC: AIRCRAFT SENSORS MARKET, BY END USE, 2018–2021 (USD MILLION)
TABLE 110 REST OF ASIA PACIFIC: AIRCRAFT SENSORS MARKET, BY END USE, 2022–2027 (USD MILLION)
12.5 MIDDLE EAST
12.5.1 PESTLE ANALYSIS
TABLE 111 MIDDLE EAST: AIRCRAFT SENSORS MARKET, BY COUNTRY, 2018–2021 (USD MILLION)
TABLE 112 MIDDLE EAST: AIRCRAFT SENSORS MARKET, BY COUNTRY, 2022–2027 (USD MILLION)
TABLE 113 MIDDLE EAST: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2018–2021 (USD MILLION)
TABLE 114 MIDDLE EAST: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2022–2027 (USD MILLION)
TABLE 115 MIDDLE EAST: AIRCRAFT SENSORS MARKET, BY END USE, 2018–2021 (USD MILLION)
TABLE 116 MIDDLE EAST: AIRCRAFT SENSORS MARKET, BY END USE, 2022–2027 (USD MILLION)
12.5.2 ISRAEL
12.5.2.1 Increasing air transport traffic to contribute to market growth
TABLE 117 ISRAEL: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2018–2021 (USD MILLION)
TABLE 118 ISRAEL: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2022–2027 (USD MILLION)

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TABLE 119 ISRAEL: AIRCRAFT SENSORS MARKET, BY END USE, 2018–2021 (USD MILLION)
TABLE 120 ISRAEL: AIRCRAFT SENSORS MARKET, BY END USE, 2022–2027 (USD MILLION)
12.5.3 UAE
12.5.3.1 Increasing upgrades of commercial airlines
TABLE 121 UAE: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2018–2021 (USD MILLION)
TABLE 122 UAE: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2022–2027 (USD MILLION)
TABLE 123 UAE: AIRCRAFT SENSORS MARKET, BY END USE, 2018–2021 (USD MILLION)
TABLE 124 UAE: AIRCRAFT SENSORS MARKET, BY END USE, 2022–2027 (USD MILLION)
12.5.4 SAUDI ARABIA
12.5.4.1 High military expenditure to drive demand for aircraft sensors
TABLE 125 SAUDI ARABIA: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2018–2021 (USD MILLION)
TABLE 126 SAUDI ARABIA: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2022–2027 (USD MILLION)
TABLE 127 SAUDI ARABIA: AIRCRAFT SENSORS MARKET, BY END USE, 2018–2021 (USD MILLION)
TABLE 128 SAUDI ARABIA: AIRCRAFT SENSORS MARKET, BY END USE, 2022–2027 (USD MILLION)
12.5.5 TURKEY
12.5.5.1 Substantial rise in military spending and development of UAVs
TABLE 129 TURKEY: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2018–2021 (USD MILLION)
TABLE 130 TURKEY: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2022–2027 (USD MILLION)
TABLE 131 TURKEY: AIRCRAFT SENSORS MARKET, BY END USE, 2018–2021 (USD MILLION)
TABLE 132 TURKEY: AIRCRAFT SENSORS MARKET, BY END USE, 2022–2027 (USD MILLION)
12.5.6 REST OF MIDDLE EAST
12.5.6.1 Growing demand for aircraft electric components
TABLE 133 REST OF MIDDLE EAST: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2018–2021 (USD MILLION)
TABLE 134 REST OF MIDDLE EAST: AIRCRAFT SENSORS MARKET, BY

AIRCRAFT TYPE, 2022–2027 (USD MILLION)
TABLE 135 REST OF MIDDLE EAST: AIRCRAFT SENSORS MARKET, BY END USE, 2018–2021 (USD MILLION)
TABLE 136 REST OF MIDDLE EAST: AIRCRAFT SENSORS MARKET, BY END USE, 2022–2027 (USD MILLION)
12.6 LATIN AMERICA
12.6.1 PESTLE ANALYSIS
TABLE 137 LATIN AMERICA: AIRCRAFT SENSORS MARKET, BY COUNTRY, 2018–2021 (USD MILLION)
TABLE 138 LATIN AMERICA: AIRCRAFT SENSORS MARKET, BY COUNTRY, 2022–2027 (USD MILLION)
TABLE 139 LATIN AMERICA: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2018–2021 (USD MILLION)
TABLE 140 LATIN AMERICA: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2022–2027 (USD MILLION)
TABLE 141 LATIN AMERICA: AIRCRAFT SENSORS MARKET, BY END USE, 2018–2021 (USD MILLION)
TABLE 142 LATIN AMERICA: AIRCRAFT SENSORS MARKET, BY END USE, 2022–2027 (USD MILLION)
12.6.2 BRAZIL
12.6.2.1 Presence of OEMs and growing passenger traffic to drive market
TABLE 143 BRAZIL: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2018–2021 (USD MILLION)
TABLE 144 BRAZIL: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2022–2027 (USD MILLION)
TABLE 145 BRAZIL: AIRCRAFT SENSORS MARKET, BY END USE, 2018–2021 (USD MILLION)
TABLE 146 BRAZIL: AIRCRAFT SENSORS MARKET, BY END USE, 2022–2027 (USD MILLION)
12.6.3 MEXICO
12.6.3.1 Rising use of UAVs to fight organized crimes and carry out surveillance activities to drive market
TABLE 147 MEXICO: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2018–2021 (USD MILLION)
TABLE 148 MEXICO: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2022–2027 (USD MILLION)
TABLE 149 MEXICO: AIRCRAFT SENSORS MARKET, BY END USE, 2018–2021 (USD MILLION)
TABLE 150 MEXICO: AIRCRAFT SENSORS MARKET, BY END USE, 2022–2027

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(USD MILLION)
12.6.4 REST OF LATIN AMERICA
12.6.4.1 Increasing aircraft fleet size to drive market growth
TABLE 151 REST OF LATIN AMERICA: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2018–2021 (USD MILLION)
TABLE 152 REST OF LATIN AMERICA: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2022–2027 (USD MILLION)
TABLE 153 REST OF LATIN AMERICA: AIRCRAFT SENSORS MARKET, BY END USE, 2018–2021 (USD MILLION)
TABLE 154 REST OF LATIN AMERICA: AIRCRAFT SENSORS MARKET, BY END USE, 2022–2027 (USD MILLION)
12.7 AFRICA
12.7.1 PESTLE ANALYSIS: AFRICA
TABLE 155 AFRICA: AIRCRAFT SENSORS MARKET, BY COUNTRY, 2018–2021 (USD MILLION)
TABLE 156 AFRICA: AIRCRAFT SENSORS MARKET, BY COUNTRY, 2022–2027 (USD MILLION)
TABLE 157 AFRICA: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2018–2021 (USD MILLION)
TABLE 158 AFRICA: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2022–2027 (USD MILLION)
TABLE 159 AFRICA: AIRCRAFT SENSORS MARKET, BY END USE, 2018–2021 (USD MILLION)
TABLE 160 AFRICA: AIRCRAFT SENSORS MARKET, BY END USE, 2022–2027 (USD MILLION)
12.7.2 SOUTH AFRICA
12.7.2.1 Increase in passenger movement to drive market
TABLE 161 SOUTH AFRICA: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2018–2021 (USD MILLION)
TABLE 162 SOUTH AFRICA: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2022–2027 (USD MILLION)
TABLE 163 SOUTH AFRICA: AIRCRAFT SENSORS MARKET, BY END USE, 2018–2021 (USD MILLION)
TABLE 164 SOUTH AFRICA: AIRCRAFT SENSORS MARKET, BY END USE, 2022–2027 (USD MILLION)
12.7.3 NIGERIA
12.7.3.1 Expansion in aviation sector to drive market
TABLE 165 NIGERIA: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2018–2021 (USD MILLION)

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TABLE 166 NIGERIA: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2022–2027 (USD MILLION)
TABLE 167 NIGERIA: AIRCRAFT SENSORS MARKET, BY END USE, 2018–2021 (USD MILLION)
TABLE 168 NIGERIA: AIRCRAFT SENSORS MARKET, BY END USE, 2022–2027 (USD MILLION)
12.7.4 REST OF AFRICA
12.7.4.1 Presence of MRO service providers in aviation sector to drive market
TABLE 169 REST OF AFRICA: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2018–2021 (USD MILLION)
TABLE 170 REST OF AFRICA: AIRCRAFT SENSORS MARKET, BY AIRCRAFT TYPE, 2022–2027 (USD MILLION)
TABLE 171 REST OF AFRICA: AIRCRAFT SENSORS MARKET, BY END USE, 2018–2021 (USD MILLION)
TABLE 172 REST OF AFRICA: AIRCRAFT SENSORS MARKET, BY END USE, 2022–2027 (USD MILLION)

**13 COMPETITIVE LANDSCAPE**

13.1 INTRODUCTION
13.2 MARKET SHARE ANALYSIS, 2021
TABLE 173 DEGREE OF COMPETITION
FIGURE 31 SHARE OF TOP PLAYERS IN AIRCRAFT SENSORS MARKET, 2021 (%)
13.3 REVENUE ANALYSIS OF TOP FIVE MARKET PLAYERS, 2021
FIGURE 32 REVENUE ANALYSIS OF TOP FIVE PLAYERS IN AIRCRAFT SENSORS MARKET
13.4 COMPANY EVALUATION QUADRANT
13.4.1 STARS
13.4.2 EMERGING LEADERS
13.4.3 PERVASIVE PLAYERS
13.4.4 PARTICIPANTS
FIGURE 33 AIRCRAFT SENSORS MARKET: COMPETITIVE LEADERSHIP MAPPING, 2021
TABLE 174 COMPANY PRODUCT FOOTPRINT
TABLE 175 COMPANY FOOTPRINT, BY APPLICATION
TABLE 176 COMPANY FOOTPRINT, BY END USE
TABLE 177 COMPANY REGIONAL FOOTPRINT
13.5 START-UPS/SME EVALUATION QUADRANT
13.5.1 PROGRESSIVE COMPANIES

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13.5.2 RESPONSIVE COMPANIES
13.5.3 DYNAMIC COMPANIES
13.5.4 STARTING BLOCKS
FIGURE 34 AIRCRAFT SENSORS MARKET START-UPS/SME COMPETITIVE LEADERSHIP MAPPING, 2021
13.5.5 COMPETITIVE BENCHMARKING
TABLE 178 AIRCRAFT SENSORS MARKET: KEY START-UPS/SMES
TABLE 179 AIRCRAFT SENSORS MARKET: COMPETITIVE BENCHMARKING OF KEY START-UPS/SMES
13.6 COMPETITIVE SCENARIO
13.6.1 DEALS
TABLE 180 DEALS, 2018–2022

**14 COMPANY PROFILES**

(Business Overview, Products/Solutions/Service Offered, Recent Developments, and MnM View (Key strengths/Right to Win, Strategic Choices Made, and Weaknesses and Competitive Threats))*
14.1 INTRODUCTION
14.2 KEY PLAYERS
14.2.1 HONEYWELL INTERNATIONAL INC.
TABLE 181 HONEYWELL INTERNATIONAL INC.: BUSINESS OVERVIEW
FIGURE 35 HONEYWELL INTERNATIONAL INC.: COMPANY SNAPSHOT
TABLE 182 HONEYWELL INTERNATIONAL INC.: PRODUCTS/SOLUTIONS/SERVICES OFFERED
TABLE 183 HONEYWELL INTERNATIONAL INC.: DEALS
14.2.2 SAFRAN GROUP
TABLE 184 SAFRAN GROUP: BUSINESS OVERVIEW
FIGURE 36 SAFRAN GROUP: COMPANY SNAPSHOT
TABLE 185 SAFRAN GROUP: PRODUCTS/SOLUTIONS/SERVICES OFFERED
TABLE 186 SAFRAN GROUP: DEALS
14.2.3 TE CONNECTIVITY LTD.
TABLE 187 TE CONNECTIVITY LTD.: BUSINESS OVERVIEW
FIGURE 37 TE CONNECTIVITY LTD.: COMPANY SNAPSHOT
TABLE 188 TE CONNECTIVITY LTD.: PRODUCTS/SOLUTIONS/SERVICES OFFERED
TABLE 189 TE CONNECTIVITY LTD.: DEALS
14.2.4 MEGGITT PLC
TABLE 190 MEGGITT PLC: BUSINESS OVERVIEW

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FIGURE 38 MEGGITT PLC: COMPANY SNAPSHOT
TABLE 191 MEGGITT PLC: PRODUCTS/SOLUTIONS/SERVICES OFFERED
TABLE 192 MEGGITT PLC: DEALS
14.2.5 AMETEK INC.
TABLE 193 AMETEK INC.: BUSINESS OVERVIEW
FIGURE 39 AMETEK INC.: COMPANY SNAPSHOT
TABLE 194 AMETEK INC.: PRODUCTS/SOLUTIONS/SERVICES OFFERED
TABLE 195 AMETEK INC.: DEALS
14.2.6 LOCKHEED MARTIN CORPORATION
TABLE 196 LOCKHEED MARTIN CORPORATION: BUSINESS OVERVIEW
FIGURE 40 LOCKHEED MARTIN CORPORATION: COMPANY SNAPSHOT
TABLE 197 LOCKHEED MARTIN CORPORATION: PRODUCTS/SOLUTIONS/SERVICES OFFERED
TABLE 198 LOCKHEED MARTIN CORPORATION: DEALS
14.2.7 WOODWARD INC.
TABLE 199 WOODWARD INC.: BUSINESS OVERVIEW
FIGURE 41 WOODWARD INC.: COMPANY SNAPSHOT
TABLE 200 WOODWARD INC.: PRODUCTS/SOLUTIONS/SERVICES OFFERED
14.2.8 GENERAL ELECTRIC COMPANY
TABLE 201 GENERAL ELECTRIC COMPANY: BUSINESS OVERVIEW
FIGURE 42 GENERAL ELECTRIC COMPANY: COMPANY SNAPSHOT
TABLE 202 GENERAL ELECTRIC COMPANY: PRODUCTS/SOLUTIONS/SERVICES OFFERED
14.2.9 THALES GROUP
TABLE 203 THALES GROUP: BUSINESS OVERVIEW
FIGURE 43 THALES GROUP: COMPANY SNAPSHOT
TABLE 204 THALES GROUP: PRODUCTS/SOLUTIONS/SERVICES OFFERED
TABLE 205 THALES GROUP: DEALS
14.2.10 L3HARRIS TECHNOLOGIES, INC.
TABLE 206 L3HARRIS TECHNOLOGIES, INC.: BUSINESS OVERVIEW
FIGURE 44 L3HARRIS TECHNOLOGIES, INC.: COMPANY SNAPSHOT
TABLE 207 L3 HARRIS TECHNOLOGIES, INC.: PRODUCTS/SOLUTIONS/SERVICES OFFERED
TABLE 208 L3HARRIS TECHNOLOGIES, INC.: DEALS
14.2.11 THE BOSCH GROUP
TABLE 209 THE BOSCH GROUP: BUSINESS OVERVIEW
FIGURE 45 THE BOSCH GROUP: COMPANY SNAPSHOT
TABLE 210 THE BOSCH GROUP: PRODUCTS/SOLUTIONS/SERVICES OFFERED
14.2.12 TRIMBLE INC.

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TABLE 211 TRIMBLE INC.: BUSINESS OVERVIEW
FIGURE 46 TRIMBLE INC.: COMPANY SNAPSHOT
TABLE 212 TRIMBLE INC.: PRODUCTS/SOLUTIONS/SERVICES OFFERED
14.2.13 CURTISS-WRIGHT CORPORATION
TABLE 213 CURTISS-WRIGHT CORPORATION: BUSINESS OVERVIEW
FIGURE 47 CURTISS-WRIGHT CORPORATION: COMPANY SNAPSHOT
TABLE 214 CURTISS-WRIGHT CORPORATION: PRODUCTS/SOLUTIONS/SERVICES OFFERED
14.2.14 EATON CORPORATION
TABLE 215 EATON CORPORATION: BUSINESS OVERVIEW
FIGURE 48 EATON CORPORATION: COMPANY SNAPSHOT
TABLE 216 EATON CORPORATION: PRODUCTS/SOLUTIONS/SERVICES OFFERED
TABLE 217 EATON CORPORATION: DEALS
14.2.15 CRANE AEROSPACE & ELECTRONICS
TABLE 218 CRANE AEROSPACE & ELECTRONICS: BUSINESS OVERVIEW
FIGURE 49 CRANE AEROSPACE & ELECTRONICS: COMPANY SNAPSHOT
TABLE 219 CRANE AEROSPACE & ELECTRONICS: PRODUCTS/SOLUTIONS/SERVICES OFFERED
14.2.16 LORD SENSING STELLAR TECHNOLOGY
TABLE 220 LORD SENSING STELLAR TECHNOLOGY: BUSINESS OVERVIEW
TABLE 221 LORD SENSING STELLAR TECHNOLOGY: PRODUCTS/SOLUTIONS/SERVICES OFFERED
14.2.17 AMPHENOL CORPORATION
TABLE 222 AMPHENOL CORPORATION: BUSINESS OVERVIEW
FIGURE 50 AMPHENOL CORPORATION: COMPANY SNAPSHOT
TABLE 223 AMPHENOL CORPORATION: PRODUCTS/SOLUTIONS/SERVICES OFFERED
TABLE 224 AMPHENOL CORPORATION: DEALS
14.2.18 KONGSBERG GRUPPEN ASA
TABLE 225 KONGSBERG GRUPPEN ASA: BUSINESS OVERVIEW
FIGURE 51 KONGSBERG GRUPPEN ASA: COMPANY SNAPSHOT
TABLE 226 KONGSBERG GRUPPEN ASA: PRODUCTS/SOLUTIONS/SERVICES OFFERED
14.2.19 TDK CORPORATION
TABLE 227 TDK CORPORATION: BUSINESS OVERVIEW
FIGURE 52 TDK CORPORATION: COMPANY SNAPSHOT
TABLE 228 TDK CORPORATION: PRODUCTS/SOLUTIONS/SERVICES OFFERED
14.2.20 ULTRA ELECTRONICS

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TABLE 229 ULTRA ELECTRONICS: BUSINESS OVERVIEW
FIGURE 53 ULTRA ELECTRONICS: COMPANY SNAPSHOT
TABLE 230 ULTRA ELECTRONICS: PRODUCTS/SOLUTIONS/SERVICES OFFERED
14.2.21 VECTORNAV TECHNOLOGIES LLC
TABLE 231 VECTORNAV TECHNOLOGIES LLC: BUSINESS OVERVIEW
TABLE 232 VECTORNAV TECHNOLOGIES LLC: PRODUCTS/SOLUTIONS/SERVICES OFFERED
14.2.22 SYSTRON DONNER INERTIAL
TABLE 233 SYSTRON DONNER INERTIAL: BUSINESS OVERVIEW
TABLE 234 SYSTRON DONNER INERTIAL: PRODUCTS/SOLUTIONS/SERVICES OFFERED
14.3 OTHER PLAYERS
14.3.1 AEROSONIC
TABLE 235 AEROSONIC: COMPANY OVERVIEW
14.3.2 SENSOR SYSTEMS LLC
TABLE 236 SENSOR SYSTEMS LLC: COMPANY OVERVIEW
14.3.3 CIRCOR AEROSPACE
TABLE 237 CIRCOR AEROSPACE: COMPANY OVERVIEW
*Details on Business Overview, Products/Solutions/Service Offered, Recent Developments, and MnM View (Key strengths/Right to Win, Strategic Choices Made, and Weaknesses and Competitive Threats) might not be captured in case of unlisted companies.

**15 APPENDIX**

15.1 DISCUSSION GUIDE
15.2 KNOWLEDGESTORE: MARKETSANDMARKETS’ SUBSCRIPTION PORTAL
15.3 AVAILABLE CUSTOMIZATION
15.4 RELATED REPORTS
15.5 AUTHOR DETAILS

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