

Aircraft Flight Control Systems Market by Component (Cockpit Controls, Flight Control Computer, Actuators, Sensors), Platform (Commercial Aviation, Military Aviation, Business & General Aviation), Fit, Technology and Region - Global Forecast to 2027

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Abstracts

The Aircraft Flight Control Systems market size is projected to grow from USD 14.5 Billion in 2022 to USD 21.5 Billion by 2027, at a CAGR of 8.2 % from 2022 to 2027. The anticipated rise in demand for commercial aircraft and the rising use of lightweight flight control systems to fulfill the demand for modern aircraft. Additionally, the increased air traffic footprint is expected to influence the demand for commercial aircraft globally.

Flight Control Computers is expected to account for the largest share in 2022

Based on Component, the flight control computers segment is projected to lead the aircraft flight control systems market during the forecast period. Manufacturers of aircraft flight control systems are creating advanced components that will lower total aircraft weight while enhancing overall efficiency, influencing market growth for aircraft flight control computers. Furthermore, as the major airline players increase the size of their fleets, the demand for technologically better flight control computers for future aircraft will increase.

The linefit segment is projected to dominate the market share in the fit segment during the forecast period

Based on Fit, the linefit segment is projected to dominate the market share during the forecast period. The market is further segmented into linefit and retrofit. The demand is influenced by the rapidly increasing of the passenger travel is a growing number of

deliveries to meet the need for it. The increasing regulations that attempt to enhance the safety features provided by aircraft and standardize the functions delivered by certain types of aircraft are anticipated to be the driving force behind fleet modernization initiatives.

The Commercial Aviation segment is projected to lead aircraft flight control systems market during the forecast period

Based on Platform, the commercial aviation segment is projected to lead the aircraft flight control systems market during the forecast period. The expansion of the aircraft fleet, market need for fuel-efficient aircraft, and an increase in the number of airline passengers will drive the demand for the commercial aircraft segment.

Fixed-wing Aircraft is projected to account for the largest share in 2022

Based on Aircraft Type, the fixed-wing aircraft segment is projected to lead the aircraft flight control systems market during the forecast period. There is a concurrent need for aircraft flight control systems for integration into the various systems onboard the aircraft because of the rapidly expanding worldwide passenger traffic, which is likely to boost demand for fixed-wing aircraft in the commercial and general aviation sectors.

North America is expected to account for the largest market share in 2022

The aircraft flight control systems market industry has been studied in North America, Europe, Asia Pacific, Middle East & Africa, and Latin America. North America accounted for the largest market share in 2022, and Asia Pacific is projected to witness the highest CAGR during the forecast period. The growing need for air travel in the region is likely to drive up demand for commercial and general aviation. Furthermore, the main OEMs have increased their R&D spending to produce advanced flight control systems that will be more efficient and lightweight.

Prominent companies include Honeywell International Inc. (US), Moog Inc. (US), Raytheon Technologies Corporation (US), Safran S.A. (France), Thales (France), Parker Hannifin Corporation (US), Curtiss-Wright Corporation (US), and BAE Systems PLC (UK).

Research Coverage:

The report segments the aircraft flight control systems market based on Component, Fit,

Technology, Platform, Aircraft Type, and Region. Based on Component, the market is segmented into flight control computers, actuators, cockpit controls, sensors, and others. Based on Fit, the market is segmented into linefit and retrofit. Based on Technology, the aircraft flight control systems market is segmented into digital fly-by-wire, fly-by-wire, hydro-mechanical, and power-by-wire. Based on Aircraft Type, the market is segmented into fixed-wing aircraft and rotary-wing aircraft. Based on Platform, the market is segmented into commercial aviation, business & general aviation, and military aviation. The aircraft flight control systems market has been studied for North America, Europe, Asia Pacific, Middle East & Africa, and Latin America. The scope of the report covers detailed information regarding the major factors, such as drivers, restraints, challenges, and opportunities, influencing the growth of the aircraft flight control systems market. A detailed analysis of the key industry players has been done to provide insights into their business overview, solutions, and services; key strategies; Contracts, partnerships, agreements. new product & service launches, mergers and acquisitions, and recent developments associated with the aircraft flight control systems market. Competitive analysis of upcoming startups in the aircraft flight control systems market ecosystem is covered in this report.

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 flight control systems 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 flight control systems offered by the top players in the market

Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product & service launches in the aircraft flight control systems market

Market Development: Comprehensive information about lucrative markets – the report analyses the aircraft flight control systems market across varied regions

Market Diversification: Exhaustive information about new products & services, untapped geographies, recent developments, and investments in the aircraft flight control systems market

Competitive Assessment: In-depth assessment of market shares, growth strategies and service offerings of leading players in the aircraft flight control systems market

Contents

1 INTRODUCTION

1.1 STUDY OBJECTIVES

1.2 MARKET DEFINITION

1.3 STUDY SCOPE

1.3.1 MARKETS COVERED

1.3.2 REGIONAL SCOPE

1.3.3 YEARS CONSIDERED

1.4 CURRENCY CONSIDERED

TABLE 1 USD EXCHANGE RATES

1.5 INCLUSIONS AND EXCLUSIONS

TABLE 2 AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET: INCLUSIONS AND EXCLUSIONS

1.6 LIMITATIONS

1.7 STAKEHOLDERS

1.8 SUMMARY OF CHANGES

2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA

FIGURE 1 RESEARCH PROCESS FLOW

FIGURE 2 AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET: RESEARCH DESIGN

2.2 SECONDARY DATA

2.2.1 SECONDARY SOURCES

2.3 PRIMARY DATA

2.3.1 PRIMARY SOURCES

2.3.1.1 Key data from primary sources

2.3.2 BREAKDOWN OF PRIMARIES

2.3.2.1 Breakdown of primary interviews: By company type, designation, and region

2.4 FACTOR ANALYSIS

2.4.1 INTRODUCTION

2.4.2 DEMAND-SIDE INDICATORS

2.4.2.1 Increasing demand for new commercial aircraft

2.4.3 SUPPLY-SIDE INDICATORS

2.4.3.1 Need for minimizing operational limitations

2.5 RESEARCH APPROACH AND METHODOLOGY

TABLE 3 SEGMENTS AND SUBSEGMENTS

2.6 MARKET SIZE ESTIMATION

2.6.1 BOTTOM-UP APPROACH

2.6.1.1 Evaluation of aircraft flight control systems market

FIGURE 3 MARKET SIZE ESTIMATION: BOTTOM-UP APPROACH (DEMAND-SIDE)

2.6.2 TOP-DOWN APPROACH

FIGURE 4 MARKET SIZE ESTIMATION: TOP-DOWN APPROACH (SUPPLY-SIDE)

2.7 MARKET BREAKDOWN AND DATA TRIANGULATION

FIGURE 5 DATA TRIANGULATION

2.8 GROWTH RATE ASSUMPTIONS

2.9 ASSUMPTIONS

FIGURE 6 PARAMETRIC ASSUMPTIONS FOR MARKET FORECAST

2.10 RISKS

3 EXECUTIVE SUMMARY

FIGURE 7 DIGITAL FLY-BY-WIRE PROJECTED TO LEAD MARKET FROM 2022 TO 2027

FIGURE 8 FLIGHT CONTROL COMPUTERS SEGMENT TO HAVE LARGEST MARKET SHARE IN 2022

FIGURE 9 LINEFIT SEGMENT PROJECTED TO LEAD AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET DURING FORECAST PERIOD

FIGURE 10 NORTH AMERICA TO ACCOUNT FOR LARGEST MARKET SHARE IN 2022

4 PREMIUM INSIGHTS

4.1 ATTRACTIVE OPPORTUNITIES FOR PLAYERS IN AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET

FIGURE 11 INCREASING NUMBER OF ORDERS FOR NEW AIRCRAFT TO DRIVE MARKET DURING FORECAST PERIOD

4.2 AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY TECHNOLOGY

FIGURE 12 DIGITAL FLY-BY-WIRE TO HOLD DOMINANT SHARE DURING FORECAST PERIOD

4.3 AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY PLATFORM

FIGURE 13 COMMERCIAL AVIATION SEGMENT TO LEAD MARKET FROM 2022 TO 2027

4.4 AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY AIRCRAFT TYPE

FIGURE 14 FIXED-WING SEGMENT TO LEAD MARKET FROM 2022 TO 2027

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 MARKET DYNAMICS

FIGURE 15 AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET: MARKET DYNAMICS

5.2.1 DRIVERS

5.2.1.1 Enhanced safety and situational awareness

5.2.1.2 Large fleets of commercial and military aircraft

TABLE 4 REGIONAL OUTLOOK OF AIR TRAFFIC GROWTH, FLEET GROWTH, AND AIRCRAFT DELIVERIES

FIGURE 16 AIRCRAFT DELIVERIES, BY AIRCRAFT TYPE

FIGURE 17 AIRCRAFT FLEET SIZE, BY REGION (2021)

5.2.1.3 Advancements in actuator technologies

5.2.2 RESTRAINTS

5.2.2.1 High power consumption and other associated issues

5.2.2.2 Design challenges

5.2.3 OPPORTUNITIES

5.2.3.1 Ongoing digitization and adoption of IoT

5.2.3.2 Emergence of new aircraft manufacturers

5.2.3.3 Increased demand for lightweight flight control systems

5.2.3.4 Development of low-cost aircraft flight control systems

5.2.4 CHALLENGES

5.2.4.1 Stringent regulatory framework

5.2.4.2 High installation cost

5.3 TRENDS/DISRUPTIONS IMPACTING CUSTOMERS' BUSINESSES

5.3.1 REVENUE SHIFT AND NEW REVENUE POCKETS FOR MANUFACTURERS

FIGURE 18 REVENUE SHIFT IN AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET

5.4 TRADE ANALYSIS

TABLE 5 IMPORTED VALUE OF AIRCRAFT AND SPACECRAFT PARTS, USD MILLION (2017–2021)

TABLE 6 EXPORTED VALUE OF AIRCRAFT AND SPACECRAFT PARTS, USD MILLION (2017–2021)

5.5 PRICING ANALYSIS

TABLE 7 AVERAGE SELLING PRICE RANGE: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET (BY COMPONENT)

5.6 MARKET ECOSYSTEM

5.6.1 PROMINENT COMPANIES

5.6.2 PRIVATE AND SMALL ENTERPRISES

5.6.3 END USERS

FIGURE 19 MARKET ECOSYSTEM MAP: AIRCRAFT FLIGHT CONTROL SYSTEMS

TABLE 8 AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET ECOSYSTEM

5.7 VALUE CHAIN ANALYSIS

FIGURE 20 VALUE CHAIN ANALYSIS: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET

5.8 TECHNOLOGY ANALYSIS

5.8.1 ELECTRIC ACTUATORS

5.8.2 SHAPE-CHANGING WING FOR NEXT-GENERATION AVIATION

5.8.3 SWEEPING JET ACTUATORS

5.8.4 PLASMA WING ACTUATORS

5.9 PORTER'S FIVE FORCES MODEL

TABLE 9 AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET: PORTER'S FIVE FORCES 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 21 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS OF AIRCRAFT FLIGHT CONTROL TECHNOLOGIES

TABLE 10 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR AIRCRAFT FLIGHT CONTROL TECHNOLOGIES (%)

5.10.2 BUYING CRITERIA

FIGURE 22 KEY BUYING CRITERIA FOR AIRCRAFT FLIGHT CONTROL TECHNOLOGIES

TABLE 11 KEY BUYING CRITERIA FOR AIRCRAFT FLIGHT CONTROL TECHNOLOGIES

5.11 KEY CONFERENCES AND EVENTS IN 2022–2023

TABLE 12 AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET: CONFERENCES AND EVENTS

5.12 TARIFF REGULATORY LANDSCAPE FOR AEROSPACE INDUSTRY

TABLE 13 NORTH AMERICA: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 14 EUROPE: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 15 ASIA PACIFIC: REGULATORY BODIES, GOVERNMENT AGENCIES, AND

OTHER ORGANIZATIONS

TABLE 16 MIDDLE EAST & AFRICA: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

6 INDUSTRY TRENDS

6.1 INTRODUCTION

6.2 SUPPLY CHAIN ANALYSIS

FIGURE 23 SUPPLY CHAIN ANALYSIS OF AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET

6.3 TECHNOLOGY TRENDS

6.3.1 ELECTRIC ACTUATION SYSTEMS

6.3.2 FLY-BY-LIGHT TECHNOLOGY (FLY-BY-OPTICS)

6.3.3 THREE-AXIS INTEGRATED FLIGHT CONTROL SYSTEMS

6.4 IMPACT OF MEGATRENDS

6.4.1 IMPLEMENTATION OF INDUSTRY 4.0

6.4.2 GLOBALIZATION OF SUPPLY CHAIN FOR AIRCRAFT FLIGHT CONTROL SYSTEM MANUFACTURING

6.5 AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET: PATENT ANALYSIS

TABLE 17 KEY PATENTS, 2018–2022

7 AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY COMPONENT

7.1 INTRODUCTION

FIGURE 24 FLIGHT CONTROL COMPUTERS TO LEAD MARKET DURING FORECAST PERIOD

TABLE 18 AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY COMPONENT, 2018–2021 (USD MILLION)

TABLE 19 AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY COMPONENT, 2022–2027 (USD MILLION)

7.2 AIRCRAFT ACTUATORS

FIGURE 25 SPOILER ACTUATORS TO BE LEADING SEGMENT FROM 2022–2027

TABLE 20 AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY AIRCRAFT ACTUATORS, 2018–2021 (USD MILLION)

TABLE 21 AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY AIRCRAFT ACTUATORS, 2022–2027 (USD MILLION)

7.2.1 ELEVATOR ACTUATORS

7.2.1.1 Increased adoption of electric actuator technology

7.2.2 HORIZONTAL STABILIZER ACTUATORS

7.2.2.1 Enhances safety measurement of aircraft

7.2.3 AILERON ACTUATORS

7.2.3.1 Reduces overall aircraft weight

7.2.4 SPOILER ACTUATORS

7.2.4.1 Driven by growing preference for electric actuation in technologically advanced aircraft

7.2.5 TRIM ACTUATORS

7.2.5.1 Increases operational efficiency

7.3 FLIGHT CONTROL COMPUTERS

FIGURE 26 PRIMARY FLIGHT CONTROL COMPUTERS TO HAVE HIGHER GROWTH DURING FORECAST PERIOD

TABLE 22 AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FLIGHT CONTROL COMPUTERS, 2018–2021 (USD MILLION)

TABLE 23 AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FLIGHT CONTROL COMPUTERS, 2022–2027 (USD MILLION)

7.3.1 PRIMARY FLIGHT CONTROL COMPUTERS

7.3.1.1 R&D activities to boost development of advanced flight control computers

7.3.2 SECONDARY FLIGHT CONTROL COMPUTERS

7.3.2.1 Rising passenger safety concerns and reduction in pilot workload to fuel demand

7.4 COCKPIT CONTROL

FIGURE 27 RUDDER PEDALS TO LEAD SEGMENT DURING FORECAST PERIOD

TABLE 24 AIRCRAFT FLIGHT CONTROL SYSTEM MARKET, BY COCKPIT CONTROL, 2018–2021 (USD MILLION)

TABLE 25 AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY COCKPIT CONTROL, 2022–2027 (USD MILLION)

7.4.1 CONTROL YOKES

7.4.1.1 Air traveler footprint to drive market

7.4.2 RUDDER PEDALS

7.4.2.1 Deployment of advanced rudder pedals in modern aircraft to drive market

7.4.3 THROTTLE CONTROL

7.4.3.1 Used in combat aircraft

7.5 SENSORS

7.5.1 USED IN CRITICAL FLIGHT CONTROL SYSTEMS

7.6 OTHERS

7.6.1 INCREASED DEMAND FOR NEW AIRPLANES TO DRIVE MARKET

8 AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT

8.1 INTRODUCTION

FIGURE 28 LINEFIT SEGMENT TO HAVE HIGHER MARKET SHARE DURING FORECAST PERIOD

TABLE 26 AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT, 2018–2021 (USD MILLION)

TABLE 27 AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT, 2022–2027 (USD MILLION)

8.2 LINEFIT

8.2.1 INCREASING AIRCRAFT DEMAND TO FUEL SEGMENT

8.3 RETROFIT

8.3.1 INCREASING WEAR & TEAR OF SYSTEMS AND COMPONENTS TO DRIVE SEGMENT

9 AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY TECHNOLOGY

9.1 INTRODUCTION

FIGURE 29 DIGITAL FLY-BY-WIRE TECHNOLOGY TO LEAD MARKET DURING FORECAST PERIOD

TABLE 28 AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY TECHNOLOGY, 2018–2021 (USD MILLION)

TABLE 29 AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY TECHNOLOGY, 2022–2027 (USD MILLION)

9.1.1 DIGITAL FLY-BY-WIRE

9.1.1.1 Growing emphasis on safer and lighter aircraft control systems to drive demand

9.1.2 FLY-BY-WIRE

9.1.2.1 Standardized for upcoming models

9.1.3 HYDRO-MECHANICAL

9.1.3.1 Used by current generation light aircraft models and helicopters

9.1.4 POWER-BY-WIRE

9.1.4.1 Designed on MEA and all-electric concept

10 AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY PLATFORM

10.1 INTRODUCTION

FIGURE 30 COMMERCIAL AVIATION TO ACQUIRE LARGEST MARKET SHARE

TABLE 30 AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY PLATFORM, 2018–2021 (USD MILLION)

TABLE 31 AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY PLATFORM,

2022–2027 (USD MILLION)

10.2 COMMERCIAL AVIATION

FIGURE 31 NARROW-BODY AIRCRAFT TO HOLD DOMINANT MARKET SHARE DURING FORECAST PERIOD

TABLE 32 COMMERCIAL AVIATION MARKET, BY AIRCRAFT TYPE, 2018–2021 (USD MILLION)

TABLE 33 COMMERCIAL AVIATION MARKET, BY AIRCRAFT TYPE, 2022–2027 (USD MILLION)

10.2.1 NARROW-BODY AIRCRAFT

10.2.1.1 Provides efficient operation and enhanced safety

10.2.2 WIDE-BODY AIRCRAFT

10.2.2.1 Fueled by expanding global passenger travel

10.2.3 REGIONAL JETS

10.2.3.1 Increased use of fly-by-wire technology

10.3 BUSINESS & GENERAL AVIATION

FIGURE 32 BUSINESS JETS TO DOMINATE MARKET DURING FORECAST PERIOD

TABLE 34 BUSINESS & GENERAL MARKET, BY AIRCRAFT TYPE, 2018–2021 (USD MILLION)

TABLE 35 BUSINESS & GENERAL AVIATION MARKET, BY AIRCRAFT TYPE, 2022–2027 (USD MILLION)

10.3.1 BUSINESS JETS

10.3.1.1 Demand for improved passenger experience to drive market

10.3.2 LIGHT AIRCRAFT

10.3.2.1 Low acquisition and maintenance costs

10.3.3 UNMANNED AERIAL MOBILITY

10.3.3.1 Growing need for alternate modes of urban transportation

10.3.4 COMMERCIAL HELICOPTERS

10.3.4.1 Increased corporate and civil applications

10.4 MILITARY AVIATION

FIGURE 33 MILITARY DRONES TO ACCOUNT FOR LARGEST MARKET SHARE OF MILITARY AVIATION MARKET

TABLE 36 MILITARY AVIATION MARKET, BY AIRCRAFT TYPE, 2018–2021 (USD MILLION)

TABLE 37 MILITARY AVIATION MARKET, BY AIRCRAFT TYPE, 2022–2027 (USD MILLION)

10.4.1 COMBAT AIRCRAFT

10.4.1.1 Increased spending on modernization of existing fleet and procurement of advanced combat aircraft

10.4.2 MILITARY DRONES

10.4.2.1 Increased military expenditure and military drone purchases by defense forces to drive market

10.4.3 TRAINER AIRCRAFT

10.4.3.1 Focused on state-of-the-art technology

10.4.4 TRANSPORT AIRCRAFT

10.4.4.1 Increased application in military operations

10.4.5 SPECIAL MISSION AIRCRAFT

10.4.5.1 Evolving warfare techniques to drive demand

10.4.6 MILITARY HELICOPTERS

10.4.6.1 Utilized in combat and search & rescue operations

11 AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY AIRCRAFT TYPE

11.1 INTRODUCTION

FIGURE 34 FIXED-WING SEGMENT TO HOLD MAJOR MARKET SHARE DURING FORECAST PERIOD

TABLE 38 AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY AIRCRAFT TYPE, 2018–2021 (USD MILLION)

TABLE 39 AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY AIRCRAFT TYPE, 2022–2027 (USD MILLION)

11.2 FIXED-WING

11.2.1 ADOPTION OF TECHNOLOGICALLY ADVANCED FLIGHT CONTROL COMPONENTS TO DRIVE DEMAND

11.3 ROTARY-WING

11.3.1 RISING DEFENSE BUDGET FOR PROCURING ADVANCED HELICOPTERS FOR MILITARY USE

12 REGIONAL ANALYSIS

12.1 INTRODUCTION

FIGURE 35 NORTH AMERICA ESTIMATED TO ACCOUNT FOR LARGEST MARKET SHARE IN 2022

TABLE 40 AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY REGION, 2018–2021 (USD MILLION)

TABLE 41 AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY REGION, 2022–2027 (USD MILLION)

12.2 NORTH AMERICA

12.2.1 PESTLE ANALYSIS: NORTH AMERICA

FIGURE 36 NORTH AMERICA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET

SNAPSHOT

TABLE 42 NORTH AMERICA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT, 2018–2021 (USD MILLION)

TABLE 43 NORTH AMERICA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT, 2022–2027 (USD MILLION)

TABLE 44 NORTH AMERICA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY COMPONENT, 2018–2021 (USD MILLION)

TABLE 45 NORTH AMERICA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY COMPONENT, 2022–2027 (USD MILLION)

TABLE 46 NORTH AMERICA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY TECHNOLOGY, 2018–2021 (USD MILLION)

TABLE 47 NORTH AMERICA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY TECHNOLOGY, 2022–2027 (USD MILLION)

TABLE 48 NORTH AMERICA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY PLATFORM, 2018–2021 (USD MILLION)

TABLE 49 NORTH AMERICA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY PLATFORM, 2022–2027 (USD MILLION)

TABLE 50 NORTH AMERICA: AIRCRAFT FLIGHT CONTROL SYSTEM MARKET, BY AIRCRAFT TYPE, 2018–2021 (USD MILLION)

TABLE 51 NORTH AMERICA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 52 NORTH AMERICA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY COUNTRY, 2018–2021 (USD MILLION)

TABLE 53 NORTH AMERICA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY COUNTRY, 2022–2027 (USD MILLION)

12.2.2 US

12.2.2.1 Increased spending on electric-powered aircraft for freight operations

TABLE 54 US: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT, 2018–2021 (USD MILLION)

TABLE 55 US: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT, 2022–2027 (USD MILLION)

TABLE 56 US: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY PLATFORM, 2018–2021 (USD MILLION)

TABLE 57 US: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY PLATFORM, 2022–2027 (USD MILLION)

12.2.3 CANADA

12.2.3.1 Advanced flight control systems for modern aircraft to drive market

TABLE 58 CANADA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT, 2018–2021 (USD MILLION)

TABLE 59 CANADA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT, 2022–2027 (USD MILLION)

TABLE 60 CANADA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY PLATFORM, 2018–2021 (USD MILLION)

TABLE 61 CANADA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY PLATFORM, 2022–2027 (USD MILLION)

12.3 EUROPE

12.3.1 PESTLE ANALYSIS: EUROPE

FIGURE 37 EUROPE: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET SNAPSHOT

TABLE 62 EUROPE: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT, 2018–2021 (USD MILLION)

TABLE 63 EUROPE: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT, 2022–2027 (USD MILLION)

TABLE 64 EUROPE: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY COMPONENT, 2018–2021 (USD MILLION)

TABLE 65 EUROPE: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY COMPONENT, 2022–2027 (USD MILLION)

TABLE 66 EUROPE: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY TECHNOLOGY, 2018–2021 (USD MILLION)

TABLE 67 EUROPE: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY TECHNOLOGY, 2022–2027 (USD MILLION)

TABLE 68 EUROPE: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY PLATFORM, 2018–2021 (USD MILLION)

TABLE 69 EUROPE: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY PLATFORM, 2022–2027 (USD MILLION)

TABLE 70 EUROPE: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY AIRCRAFT TYPE, 2018–2021 (USD MILLION)

TABLE 71 EUROPE: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY AIRCRAFT TYPE, 2022–2027 (USD MILLION)

TABLE 72 EUROPE: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY COUNTRY, 2018–2021 (USD MILLION)

TABLE 73 EUROPE: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY COUNTRY, 2022–2027 (USD MILLION)

12.3.2 UK

12.3.2.1 Consistent improvement of sophisticated airplane architectural technologies for zero carbon footprint

TABLE 74 UK: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT, 2018–2021 (USD MILLION)

TABLE 75 UK: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT,
2022–2027 (USD MILLION)

TABLE 76 UK: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY PLATFORM,
2018–2021 (USD MILLION)

TABLE 77 UK: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY PLATFORM,
2022–2027 (USD MILLION)

12.3.3 FRANCE

12.3.3.1 Increased competition in airline industry

TABLE 78 FRANCE: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT,
2018–2021 (USD MILLION)

TABLE 79 FRANCE: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT,
2022–2027 (USD MILLION)

TABLE 80 FRANCE: AIRCRAFT FLIGHT CONTROL SYSTEM MARKET, BY
PLATFORM, 2018–2021 (USD MILLION)

TABLE 81 FRANCE: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY
PLATFORM, 2022–2027 (USD MILLION)

12.3.4 GERMANY

12.3.4.1 Acquisition of advanced fighter jets to fuel market growth

TABLE 82 GERMANY: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT,
2018–2021 (USD MILLION)

TABLE 83 GERMANY: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT,
2022–2027 (USD MILLION)

TABLE 84 GERMANY: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY
PLATFORM, 2018–2021 (USD MILLION)

TABLE 85 GERMANY: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY
PLATFORM, 2022–2027 (USD MILLION)

12.3.5 ITALY

12.3.5.1 Growing developments in aviation industry

TABLE 86 ITALY: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT,
2018–2021 (USD MILLION)

TABLE 87 ITALY: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT,
2022–2027 (USD MILLION)

TABLE 88 ITALY: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY
PLATFORM, 2018–2021 (USD MILLION)

TABLE 89 ITALY: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY
PLATFORM, 2022–2027 (USD MILLION)

12.3.6 RUSSIA

12.3.6.1 Focus on increasing manufacturing capabilities of commercial aircraft

TABLE 90 RUSSIA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT,

2018–2021 (USD MILLION)

TABLE 91 RUSSIA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT,
2022–2027 (USD MILLION)

TABLE 92 RUSSIA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY
PLATFORM, 2018–2021 (USD MILLION)

TABLE 93 RUSSIA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY
PLATFORM, 2022–2027 (USD MILLION)

12.3.7 REST OF EUROPE

12.3.7.1 Growing air passenger traffic to drive market

TABLE 94 REST OF EUROPE: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET,
BY FIT, 2018–2021 (USD MILLION)

TABLE 95 REST OF EUROPE: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET,
BY FIT, 2022–2027 (USD MILLION)

TABLE 96 REST OF EUROPE: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET,
BY PLATFORM, 2018–2021 (USD MILLION)

TABLE 97 REST OF EUROPE: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET,
BY PLATFORM, 2022–2027 (USD MILLION)

12.4 ASIA PACIFIC

12.4.1 PESTLE ANALYSIS: ASIA PACIFIC

FIGURE 38 ASIA PACIFIC: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET
SNAPSHOT

TABLE 98 ASIA PACIFIC: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY
FIT, 2018–2021 (USD MILLION)

TABLE 99 ASIA PACIFIC: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY
FIT, 2022–2027 (USD MILLION)

TABLE 100 ASIA PACIFIC: AIRCRAFT FLIGHT CONTROL SYSTEM MARKET, BY
COMPONENT, 2018–2021 (USD MILLION)

TABLE 101 ASIA PACIFIC: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY
COMPONENT, 2022–2027 (USD MILLION)

TABLE 102 ASIA PACIFIC: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY
TECHNOLOGY, 2018–2021 (USD MILLION)

TABLE 103 ASIA PACIFIC: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY
TECHNOLOGY, 2022–2027 (USD MILLION)

TABLE 104 ASIA PACIFIC: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY
PLATFORM, 2018–2021 (USD MILLION)

TABLE 105 ASIA PACIFIC: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY
PLATFORM, 2022–2027 (USD MILLION)

TABLE 106 ASIA PACIFIC: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY
AIRCRAFT TYPE, 2018–2021 (USD MILLION)

TABLE 107 ASIA PACIFIC: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY AIRCRAFT TYPE, 2022–2027 (USD MILLION)

TABLE 108 ASIA PACIFIC: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY COUNTRY, 2018–2021 (USD MILLION)

TABLE 109 ASIA PACIFIC: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY COUNTRY, 2022–2027 (USD MILLION)

12.4.2 CHINA

12.4.2.1 Increased investment in development of lightweight aircraft

TABLE 110 CHINA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT, 2018–2021 (USD MILLION)

TABLE 111 CHINA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT, 2022–2027 (USD MILLION)

TABLE 112 CHINA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY PLATFORM, 2018–2021 (USD MILLION)

TABLE 113 CHINA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY PLATFORM, 2022–2027 (USD MILLION)

12.4.3 INDIA

12.4.3.1 Improved domestic connectivity to drive market

TABLE 114 INDIA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT, 2018–2021 (USD MILLION)

TABLE 115 INDIA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT, 2022–2027 (USD MILLION)

TABLE 116 INDIA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY PLATFORM, 2018–2021 (USD MILLION)

TABLE 117 INDIA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY PLATFORM, 2022–2027 (USD MILLION)

12.4.4 JAPAN

12.4.4.1 Market growth driven by expansion of military and commercial fleets

TABLE 118 JAPAN: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT, 2018–2021 (USD MILLION)

TABLE 119 JAPAN: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT, 2022–2027 (USD MILLION)

TABLE 120 JAPAN: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY PLATFORM, 2018–2021 (USD MILLION)

TABLE 121 JAPAN: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY PLATFORM, 2022–2027 (USD MILLION)

12.4.5 AUSTRALIA

12.4.5.1 Procurement of aircraft to meet air travel demand

TABLE 122 AUSTRALIA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT,

2018–2021 (USD MILLION)

TABLE 123 AUSTRALIA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT, 2022–2027 (USD MILLION)

TABLE 124 AUSTRALIA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY PLATFORM, 2018–2021 (USD MILLION)

TABLE 125 AUSTRALIA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY PLATFORM, 2022–2027 (USD MILLION)

12.4.6 SOUTH KOREA

12.4.6.1 Increasing cargo operations and air traffic to drive market

TABLE 126 SOUTH KOREA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT, 2018–2021 (USD MILLION)

TABLE 127 SOUTH KOREA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT, 2022–2027 (USD MILLION)

TABLE 128 SOUTH KOREA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY PLATFORM, 2018–2021 (USD MILLION)

TABLE 129 SOUTH KOREA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY PLATFORM, 2022–2027 (USD MILLION)

12.4.7 REST OF ASIA PACIFIC

12.4.7.1 Increased air passenger footprint to boost market growth

TABLE 130 REST OF ASIA PACIFIC: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT, 2018–2021 (USD MILLION)

TABLE 131 REST OF ASIA PACIFIC: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT, 2022–2027 (USD MILLION)

TABLE 132 REST OF ASIA PACIFIC: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY PLATFORM, 2018–2021 (USD MILLION)

TABLE 133 REST OF ASIA PACIFIC: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY PLATFORM, 2022–2027 (USD MILLION)

12.5 MIDDLE EAST & AFRICA

12.5.1 PESTLE ANALYSIS: MIDDLE EAST & AFRICA

FIGURE 39 MIDDLE EAST & AFRICA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET SNAPSHOT

TABLE 134 MIDDLE EAST & AFRICA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT, 2018–2021 (USD MILLION)

TABLE 135 MIDDLE EAST & AFRICA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT, 2022–2027 (USD MILLION)

TABLE 136 MIDDLE EAST & AFRICA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY COMPONENT, 2018–2021 (USD MILLION)

TABLE 137 MIDDLE EAST & AFRICA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY COMPONENT, 2022–2027 (USD MILLION)

TABLE 138 MIDDLE EAST & AFRICA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY TECHNOLOGY, 2018–2021 (USD MILLION)

TABLE 139 MIDDLE EAST & AFRICA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY TECHNOLOGY, 2022–2027 (USD MILLION)

TABLE 140 MIDDLE EAST & AFRICA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY PLATFORM, 2018–2021 (USD MILLION)

TABLE 141 MIDDLE EAST & AFRICA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY PLATFORM, 2022–2027 (USD MILLION)

TABLE 142 MIDDLE EAST & AFRICA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY AIRCRAFT TYPE, 2018–2021 (USD MILLION)

TABLE 143 MIDDLE EAST & AFRICA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY AIRCRAFT TYPE, 2022–2027 (USD MILLION)

TABLE 144 MIDDLE EAST & AFRICA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY COUNTRY, 2018–2021 (USD MILLION)

TABLE 145 MIDDLE EAST & AFRICA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY COUNTRY, 2022–2027 (USD MILLION)

12.5.2 SAUDI ARABIA

12.5.2.1 Aviation sector modernization program

TABLE 146 SAUDI ARABIA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT, 2018–2021 (USD MILLION)

TABLE 147 SAUDI ARABIA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT, 2022–2027 (USD MILLION)

TABLE 148 SAUDI ARABIA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY PLATFORM, 2018–2021 (USD MILLION)

TABLE 149 SAUDI ARABIA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY PLATFORM, 2022–2027 (USD MILLION)

12.5.3 UAE

12.5.3.1 Increased demand for private planes

TABLE 150 UAE: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT, 2018–2021 (USD MILLION)

TABLE 151 UAE: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT, 2022–2027 (USD MILLION)

TABLE 152 UAE: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY PLATFORM, 2018–2021 (USD MILLION)

TABLE 153 UAE: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY PLATFORM, 2022–2027 (USD MILLION)

12.5.4 ISRAEL

12.5.4.1 Modernization of israeli air force

TABLE 154 ISRAEL: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT,

2018–2021 (USD MILLION)

TABLE 155 ISRAEL: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT, 2022–2027 (USD MILLION)

TABLE 156 ISRAEL: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY PLATFORM, 2018–2021 (USD MILLION)

TABLE 157 ISRAEL: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY PLATFORM, 2022–2027 (USD MILLION)

12.5.5 SOUTH AFRICA

12.5.5.1 Rising demand for commercial aircraft to drive market

TABLE 158 SOUTH AFRICA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT, 2018–2021 (USD MILLION)

TABLE 159 SOUTH AFRICA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT, 2022–2027 (USD MILLION)

TABLE 160 SOUTH AFRICA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY PLATFORM, 2018–2021 (USD MILLION)

TABLE 161 SOUTH AFRICA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY PLATFORM, 2022–2027 (USD MILLION)

12.5.6 NIGERIA

12.5.6.1 Upgrading outdated aircraft components to advanced systems

TABLE 162 NIGERIA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT, 2018–2021 (USD MILLION)

TABLE 163 NIGERIA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT, 2022–2027 (USD MILLION)

TABLE 164 NIGERIA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY PLATFORM, 2018–2021 (USD MILLION)

TABLE 165 NIGERIA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY PLATFORM, 2022–2027 (USD MILLION)

12.5.7 REST OF MIDDLE EAST & AFRICA

12.5.7.1 Rising tourism industry

TABLE 166 REST OF MIDDLE & AFRICA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT, 2018–2021 (USD MILLION)

TABLE 167 REST OF MIDDLE & AFRICA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT, 2022–2027 (USD MILLION)

TABLE 168 REST OF MIDDLE & AFRICA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY PLATFORM, 2018–2021 (USD MILLION)

TABLE 169 REST OF MIDDLE & AFRICA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY PLATFORM, 2022–2027 (USD MILLION)

12.6 LATIN AMERICA

12.6.1 PESTLE ANALYSIS: LATIN AMERICA

FIGURE 40 LATIN AMERICA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET SNAPSHOT**TABLE 170 LATIN AMERICA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT, 2018–2021 (USD MILLION)****TABLE 171 LATIN AMERICA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT, 2022–2027 (USD MILLION)****TABLE 172 LATIN AMERICA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY COMPONENT, 2018–2021 (USD MILLION)****TABLE 173 LATIN AMERICA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY COMPONENT, 2022–2027 (USD MILLION)****TABLE 174 LATIN AMERICA: AIRCRAFT FLIGHT CONTROL SYSTEM MARKET, BY TECHNOLOGY, 2018–2021 (USD MILLION)****TABLE 175 LATIN AMERICA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY TECHNOLOGY, 2022–2027 (USD MILLION)****TABLE 176 LATIN AMERICA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY PLATFORM, 2018–2021 (USD MILLION)****TABLE 177 LATIN AMERICA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY PLATFORM, 2022–2027 (USD MILLION)****TABLE 178 LATIN AMERICA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY AIRCRAFT TYPE, 2018–2021 (USD MILLION)****TABLE 179 LATIN AMERICA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY TYPE, 2022–2027 (USD MILLION)****TABLE 180 LATIN AMERICA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY COUNTRY, 2018–2021 (USD MILLION)****TABLE 181 LATIN AMERICA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY COUNTRY, 2022–2027 (USD MILLION)****12.6.2 BRAZIL****12.6.2.1 Increased demand for modern narrow-body aircraft for tourism****TABLE 182 BRAZIL: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT, 2018–2021 (USD MILLION)****TABLE 183 BRAZIL: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT, 2022–2027 (USD MILLION)****TABLE 184 BRAZIL: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY PLATFORM, 2018–2021 (USD MILLION)****TABLE 185 BRAZIL: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY PLATFORM, 2022–2027 (USD MILLION)****12.6.3 MEXICO****12.6.3.1 Domestic airline demand for commercial aircraft to boost market growth****TABLE 186 MEXICO: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT,**

2018–2021 (USD MILLION)

TABLE 187 MEXICO: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT, 2022–2027 (USD MILLION)

TABLE 188 MEXICO: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY PLATFORM, 2018–2021 (USD MILLION)

TABLE 189 MEXICO: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY PLATFORM, 2022–2027 (USD MILLION)

12.6.4 REST OF LATIN AMERICA

12.6.4.1 Modernization of aircraft equipment of existing aircraft fleets

TABLE 190 REST OF LATIN AMERICA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT, 2018–2021 (USD MILLION)

TABLE 191 REST OF LATIN AMERICA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY FIT, 2022–2027 (USD MILLION)

TABLE 192 REST OF LATIN AMERICA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY PLATFORM, 2018–2021 (USD MILLION)

TABLE 193 REST OF LATIN AMERICA: AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, BY PLATFORM, 2022–2027 (USD MILLION)

13 COMPETITIVE LANDSCAPE

13.1 INTRODUCTION

13.2 MARKET SHARE ANALYSIS OF KEY PLAYERS, 2021

TABLE 194 AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET: DEGREE OF COMPETITION

FIGURE 41 SHARE OF TOP PLAYERS IN AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, 2021

TABLE 195 KEY DEVELOPMENTS BY LEADING PLAYERS IN AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, 2019–2022

13.3 TOP 5 PLAYERS RANKING ANALYSIS, 2021

FIGURE 42 MARKET RANKING OF LEADING PLAYERS IN AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET, 2021

13.4 REVENUE ANALYSIS OF TOP 5 MARKET PLAYERS, 2021

13.5 COMPETITIVE BENCHMARKING

TABLE 196 COMPANY PRODUCT FOOTPRINT

TABLE 197 COMPANY SOLUTION TYPE FOOTPRINT

TABLE 198 COMPANY REGION FOOTPRINT

13.6 COMPANY EVALUATION QUADRANT

13.6.1 STARS

13.6.2 EMERGING LEADERS

13.6.3 PERVASIVE PLAYERS

13.6.4 PARTICIPANTS

FIGURE 43 AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET COMPETITIVE LEADERSHIP MAPPING, 2021

13.6.5 STARTUP/SME EVALUATION QUADRANT

13.6.5.1 Progressive companies

13.6.5.2 Responsive companies

13.6.5.3 Starting blocks

13.6.5.4 Dynamic companies

TABLE 199 AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET: DETAILED LIST OF KEY STARTUPS/SMES

FIGURE 44 AIRCRAFT FLIGHT CONTROL SYSTEMS MARKET (STARTUPS) COMPETITIVE LEADERSHIP MAPPING, 2021

13.7 COMPETITIVE SCENARIO

13.7.1 MARKET EVALUATION FRAMEWORK

13.7.2 NEW PRODUCT LAUNCHES AND DEVELOPMENTS

TABLE 200 NEW PRODUCT LAUNCHES AND DEVELOPMENTS, 2019–2022

13.7.3 DEALS

TABLE 201 CONTRACTS, 2019–2022

13.7.4 VENTURES/AGREEMENTS/EXPANSIONS

TABLE 202 ACQUISITIONS/PARTNERSHIPS/JOINT VENTURES/AGREEMENTS/EXPANSIONS, 2018–2022

14 COMPANY PROFILES

14.1 INTRODUCTION

14.2 KEY PLAYERS

(Business Overview, Products Offered, Recent Developments, and MnM View (Key strengths/Right to Win, Strategic Choices Made, and Weaknesses and Competitive Threats))*

14.2.1 HONEYWELL INTERNATIONAL INC.

TABLE 203 HONEYWELL INTERNATIONAL INC.: BUSINESS OVERVIEW

FIGURE 45 HONEYWELL INTERNATIONAL INC.: COMPANY SNAPSHOT

TABLE 204 HONEYWELL INTERNATIONAL INC.: PRODUCT LAUNCHES

TABLE 205 HONEYWELL INTERNATIONAL INC.: DEALS

14.2.2 RAYTHEON TECHNOLOGIES CORPORATION

TABLE 206 RAYTHEON TECHNOLOGIES CORPORATION: BUSINESS OVERVIEW

FIGURE 46 RAYTHEON TECHNOLOGIES CORPORATION: COMPANY SNAPSHOT

TABLE 207 RAYTHEON TECHNOLOGIES CORPORATION: DEALS

14.2.3 THALES

TABLE 208 THALES: BUSINESS OVERVIEW

FIGURE 47 THALES: COMPANY SNAPSHOT

14.2.4 SAFRAN SA

TABLE 209 SAFRAN SA: BUSINESS OVERVIEW

FIGURE 48 SAFRAN SA: COMPANY SNAPSHOT

14.2.5 BAE SYSTEMS PLC

TABLE 210 BAE SYSTEMS PLC: BUSINESS OVERVIEW

FIGURE 49 BAE SYSTEMS PLC: COMPANY SNAPSHOT

TABLE 211 BAE SYSTEMS PLC.: DEALS

14.2.6 MOOG INC.

TABLE 212 MOOG INC.: BUSINESS OVERVIEW

FIGURE 50 MOOG INC.: COMPANY SNAPSHOT

TABLE 213 MOOG INC.: DEALS

14.2.7 CURTISS-WRIGHT CORPORATION

TABLE 214 CURTISS-WRIGHT CORPORATION: BUSINESS OVERVIEW

FIGURE 51 CURTIS-WRIGHT CORPORATION: COMPANY SNAPSHOT

TABLE 215 CURTISS-WRIGHT CORPORATION: DEALS

14.2.8 LIEBHERR-INTERNATIONAL DEUTSCHLAND GMBH

TABLE 216 LIEBHERR-INTERNATIONAL DEUTSCHLAND GMBH: BUSINESS OVERVIEW

TABLE 217 LIEBHERR-INTERNATIONAL DEUTSCHLAND GMBH: DEALS

14.2.9 PARKER HANNIFIN CORPORATION

TABLE 218 PARKER HANNIFIN CORPORATION: BUSINESS OVERVIEW

FIGURE 52 PARKER HANNIFIN CORPORATION: COMPANY SNAPSHOT

TABLE 219 PARKER HANNIFIN CORPORATION: DEALS

14.2.10 WOODWARD INC.

TABLE 220 WOODWARD INC.: BUSINESS OVERVIEW

FIGURE 53 WOODWARD INC.: COMPANY SNAPSHOT

14.2.11 AMETEK, INC.

TABLE 221 AMETEK, INC.: BUSINESS OVERVIEW

FIGURE 54 AMETEK, INC.: COMPANY SNAPSHOT

TABLE 222 AMETEK, INC.: DEALS

14.2.12 ASTRONAUTICS CORPORATION OF AMERICA

TABLE 223 ASTRONAUTICS CORPORATION OF AMERICA: BUSINESS OVERVIEW

14.2.13 NABTESCO CORPORATION

TABLE 224 NABTESCO CORPORATION: BUSINESS OVERVIEW

FIGURE 55 NABTESCO CORPORATION: COMPANY SNAPSHOT

14.2.14 SAAB AB

TABLE 225 SAAB AB: BUSINESS OVERVIEW

FIGURE 56 SAAB AB: COMPANY SNAPSHOT

14.2.15 SITEC AEROSPACE GMBH

TABLE 226 SITEC AEROSPACE GMBH: BUSINESS OVERVIEW

14.2.16 TRIUMPH GROUP

TABLE 227 TRIUMPH GROUP: COMPANY OVERVIEW

FIGURE 57 TRIUMPH GROUP: COMPANY SNAPSHOT

14.2.17 BEAVER AEROSPACE & DEFENSE INC.

TABLE 228 BEAVER AEROSPACE & DEFENSE INC.: COMPANY OVERVIEW

14.2.18 SHIMADZU CORPORATION

TABLE 229 SHIMADZU CORPORATION: COMPANY OVERVIEW

FIGURE 58 SHIMADZU CORPORATION: COMPANY SNAPSHOT

14.2.19 PARKER LORD

TABLE 230 PARKER LORD: BUSINESS OVERVIEW

14.2.20 DIEHL GROUP

TABLE 231 DIEHL GROUP: BUSINESS OVERVIEW

FIGURE 59 DIEHL GROUP: COMPANY SNAPSHOT

14.2.21 GENESYS AEROSYSTEMS GROUP INC.

TABLE 232 GENESYS AEROSYSTEMS GROUP INC.: BUSINESS OVERVIEW

TABLE 233 GENESYS AEROSYSTEMS GROUP INC.: DEALS

14.3 OTHER PLAYERS

14.3.1 UAV NAVIGATION

TABLE 234 UAV NAVIGATION: BUSINESS OVERVIEW

14.3.2 ARCHANGEL SYSTEMS, INC.

TABLE 235 ARCHANGEL SYSTEMS, INC.: COMPANY OVERVIEW

14.3.3 WHIPPANY ACTUATION SYSTEMS LLC

TABLE 236 WHIPPANY ACTUATION SYSTEMS LLC: COMPANY OVERVIEW

14.3.4 ELEKTRO-METALL EXPORT

TABLE 237 ELEKTRO-METALL EXPORT: BUSINESS OVERVIEW

14.3.5 INGENIUM AEROSPACE LLC

TABLE 238 INGENIUM AEROSPACE LLC: COMPANY OVERVIEW

*Details on Business Overview, Products 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 CUSTOMIZATION OPTIONS

15.4 RELATED REPORTS

15.5 AUTHOR DETAILS

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