

Air-to-Air Refueling Market by System (Probe & Drogue, Boom Refueling, Autonomous), Component (Pumps, Valves, Hoses, Boom, Probes, Fuel Tanks, Pods), Aircraft Type (Fixed, Rotary), Type (Manned, Unmanned), End User, Region - Global Forecast to 2025

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Abstracts

The air-to-air refueling market size is projected to grow from an estimated USD 501 million in 2020 to USD 851 million by 2025, at a CAGR of 11.2% during the forecast period. Increasing demand for air-to-air refueling systems to support overseas deployments, increased defense expenditure of countries, development of advanced aerial tankers, and increase in combat aircraft procurement are some of the key factors driving the growth in the air-to-air refueling market. The increasing demand for autonomous refueling is one of the lucrative opportunities for air-to-air refueling system providers during the forecast period.

The outbreak of COVID-19 and its resultant lockdowns and supply chain disruptions have adversely affected the aerospace and defense industry, with the suspension and delay of new defense procurement and maintenance projects. OEMs have been significantly affected due to restrictions and the temporary halts in production, while the impact on the aftermarket has been comparatively lower due to the basic maintenance and monitoring requirements of combat aircraft. For instance, in October 2020, the Boeing KC-46A Pegasus in-flight refueling tanker program reported a USD 67 million loss due to coronavirus disruptions resulting in production inefficiencies.

Based on end user, the aftermarket segment accounts for the largest market size during the forecast period

Based on end user, the air-to-air refueling market has been segmented into OEM and Aftermarket. The aftermarket segment is estimated to lead the air-to-air refueling market during the forecast period. The aftermarket companies offer complete maintenance, repair, and overhaul services. For example, damaged components of air-to-air refueling systems, such as hydraulic systems, fuel management systems, and safety systems, are considered for maintenance, repair, and overhaul. The aftermarket also offers repairing services for over-the-counter products in case hydraulic components such as pumps, couplings, and nozzles are damaged beyond repair.

Based on the aircraft type, the fixed wing segment is projected to grow at the highest CAGR during the forecast period

Based on aircraft type, fixed-wing segment is estimated to lead air-to-air refueling market during forecast period. A fixed wing aircraft attains flight using wings fixed to the fuselage to generate the necessary lift using the forward motion of the aircraft. The fixed wing aircraft segment is experiencing growth as it can be used for longer travel distances and have better aerodynamic structures than rotary wing aircraft. Fixed wing aircraft can also take flight in challenging conditions and environments.

“North America is projected to grow at the highest CAGR during the forecast period.”

North America is one of the leading markets for air-to-air refueling systems in terms of research and development activities, deployment, and the presence of key market players. The major countries under this region are the US and Canada. The US leads the air-to-air refueling market in North America. The military aviation sector in North America is growing steadily, consequently created a significant demand for air-to-air refueling systems. The presence of major players, OEMs, and component manufacturers are one of the key factors expected to boost the air-to-air refueling market in North America. The US is expected to drive the growth of the North American air-to-air refueling market. An increasing number of military aircraft upgrade programs, ongoing research and development of advanced military aircraft platforms, and the presence of major systems and components manufacturers are expected to lead to a surge in demand for air-to-air refueling systems in North America during the forecast period.

The break-up of profile of primary participants in the air-to-air refueling market:

By Company Type: Tier 1 – 49%, Tier 2 – 37%, and Tier 3 – 14%

By Designation: C Level – 55%, Director Level – 27%, and Others – 18%

By Region: North America – 55%, Europe – 27%, Asia Pacific – 9%, RoW – 9%

Major players operating in the air-to-air refueling market Cobham plc (UK), Eaton Corporation (US), Airbus (Netherlands), Boeing (US), and GE Aviation (US).among others.

Research Coverage:

This research report categorizes the air-to-air refueling market by component (pumps, valves, nozzles, hoses, boom, probes, fuel tanks, pods, and others), system (probe & drogue, boom refueling, and autonomous), aircraft type (fixed wing and rotary wing), type (manned and unmanned), end user (OEM and aftermarket) in these segments have been mapped across major regions, namely, North America, Europe, Asia Pacific, and the Rest of the World (the Middle East, Latin America, and Africa). The scope of the report covers detailed information regarding the major factors, such as drivers, restraints, challenges, and opportunities, influencing the growth of the air-to-air refueling market. A detailed analysis of the key industry players has been done to provide insights into their business overviews; solutions and services; key strategies; agreements, collaborations, new product launches, contracts, expansion, acquisitions, and partnerships associated with the air-to-air refueling market.

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 air-to-air refueling 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 air-to-air refueling system 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 air-to-air refueling market

Market Development: Comprehensive information about lucrative markets – the report analyzes the air-to-air refueling market across varied regions

Market Diversification: Exhaustive information about new products & services, untapped geographies, recent developments, and investments in the air-to-air refueling market

Competitive Assessment: In-depth assessment of market shares, growth strategies and service offerings of leading players in the air-to-air refueling market

Contents

1 INTRODUCTION

1.1 OBJECTIVES OF THE STUDY

1.2 MARKET DEFINITION

1.3 STUDY SCOPE

1.3.1 AIR-TO-AIR REFUELING MARKET SEGMENTATION

1.3.2 REGIONAL SCOPE

1.3.3 YEARS CONSIDERED FOR THE STUDY

1.4 CURRENCY

1.5 STAKEHOLDERS

1.6 SUMMARY OF CHANGES

2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA

FIGURE 1 RESEARCH PROCESS FLOW

FIGURE 2 AIR-TO-AIR REFUELING 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 data from primary sources

2.1.2.2 Breakdown of primaries

2.1.3 MARKET DEFINITION & SCOPE

2.1.4 SEGMENTS & SUBSEGMENTS

2.1.5 SEGMENT DEFINITIONS

2.1.5.1 Air-to-air refueling market, by system

2.1.5.2 Air-to-air refueling market, by component

2.1.5.3 Air-to-air refueling market, by aircraft type

2.1.5.4 Air-to-air refueling market, by type

2.2 RESEARCH APPROACH & METHODOLOGY

2.2.1 BOTTOM-UP APPROACH

2.2.1.1 Regional air-to-air refueling market

2.2.1.2 Air-to-air refueling market, by system

FIGURE 3 MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP APPROACH

- 1

FIGURE 4 MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP APPROACH

- 2

2.2.2 TOP-DOWN APPROACH

FIGURE 5 MARKET SIZE ESTIMATION METHODOLOGY: TOP-DOWN APPROACH

2.2.3 PRICING ANALYSIS

2.3 TRIANGULATION & VALIDATION

2.3.1 TRIANGULATION THROUGH SECONDARY RESEARCH

2.3.2 TRIANGULATION THROUGH PRIMARIES

FIGURE 6 DATA TRIANGULATION

2.4 RESEARCH ASSUMPTIONS

2.4.1 MARKET SIZING

2.4.2 MARKET FORECASTING

FIGURE 7 ASSUMPTIONS OF THE RESEARCH STUDY

2.5 RISKS

3 EXECUTIVE SUMMARY

FIGURE 8 BY SYSTEM, BOOM REFUELING SEGMENT EXPECTED TO LEAD AIR-TO-AIR REFUELING MARKET FROM 2020 TO 2025

FIGURE 9 BY AIRCRAFT TYPE, FIXED WING SEGMENT PROJECTED TO LEAD AIR-TO-AIR REFUELING MARKET DURING FORECAST PERIOD

FIGURE 10 NORTH AMERICA ESTIMATED TO ACCOUNT FOR LARGEST MARKET SHARE IN 2020

4 PREMIUM INSIGHTS

4.1 ATTRACTIVE OPPORTUNITIES IN AIR-TO-AIR REFUELING MARKET

FIGURE 11 DEVELOPMENT OF NEXT-GENERATION AERIAL TANKERS EXPECTED TO DRIVE AIR-TO-AIR REFUELING MARKET GROWTH

4.2 AIR-TO-AIR REFUELING MARKET, BY SYSTEM

FIGURE 12 BY SYSTEM, BOOM REFUELING SEGMENT EXPECTED TO LEAD AIR-TO-AIR REFUELING MARKET DURING FORECAST PERIOD

4.3 AIR-TO-AIR REFUELING MARKET, BY AIRCRAFT TYPE

FIGURE 13 BY AIRCRAFT TYPE, FIXED WING SEGMENT PROJECTED TO LEAD AIR-TO-AIR REFUELING MARKET DURING FORECAST PERIOD

4.4 AIR-TO-AIR REFUELING MARKET FOR AIRCRAFT TYPE, BY FIXED WING

FIGURE 14 FIGHTER AIRCRAFT SEGMENT PROJECTED TO LEAD AIR-TO-AIR REFUELING MARKET DURING FORECAST PERIOD

4.5 AIR-TO-AIR REFUELING MARKET, BY COUNTRY

FIGURE 15 US AIR-TO-AIR REFUELING MARKET TO REGISTER HIGHEST CAGR DURING FORECAST PERIOD

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 MARKET DYNAMICS

FIGURE 16 AIR-TO-AIR REFUELING MARKET DYNAMICS

5.2.1 DRIVERS

5.2.1.1 Increasing demand for air-to-air refueling systems to support overseas deployments

5.2.1.2 Increased defense expenditure of countries

FIGURE 17 DEFENSE SPENDING OF REGIONS, 2015–2019 (USD BILLION)

5.2.1.3 Development of advanced aerial tankers

5.2.1.4 Increase in combat aircraft procurement

FIGURE 18 COMBAT AIRCRAFT FLEET, 2017–2020 (UNITS)

5.2.2 OPPORTUNITIES

5.2.2.1 Autonomous refueling

5.2.3 CHALLENGES

5.2.3.1 High installation and maintenance cost

5.3 RANGE/SCENARIOS

FIGURE 19 COVID-19 IMPACT ON AIR-TO-AIR REFUELING MARKET: GLOBAL SCENARIOS

5.4 COVID-19 IMPACT ON AIR-TO-AIR REFUELING MARKET

5.4.1 REALISTIC SCENARIO (POST-COVID-19)

TABLE 1 REALISTIC SCENARIO (POST-COVID-19): AIR-TO-AIR REFUELING MARKET

5.4.2 OPTIMISTIC SCENARIO (POST-COVID-19)

TABLE 2 OPTIMISTIC SCENARIO (POST-COVID-19): AIR-TO-AIR REFUELING MARKET

5.4.3 PESSIMISTIC SCENARIO (POST-COVID-19)

TABLE 3 PESSIMISTIC SCENARIO (POST-COVID-19): AIR-TO-AIR REFUELING MARKET

5.5 TRENDS/DISRUPTIONS IMPACTING CUSTOMERS' BUSINESS

5.5.1 REVENUE SHIFT AND NEW REVENUE POCKETS FOR AIR-TO-AIR REFUELING MARKET

FIGURE 20 REVENUE SHIFT IN AIR-TO-AIR REFUELING MARKET

5.6 MARKET ECOSYSTEM

5.6.1 PROMINENT COMPANIES

5.6.2 PRIVATE AND SMALL ENTERPRISES

5.6.3 END-USERS

FIGURE 21 MARKET ECOSYSTEM MAP: AIR-TO-AIR REFUELING MARKET**5.7 PRICING ANALYSIS****FIGURE 22 PRICING ANALYSIS, BY TANKER AIRCRAFT****5.8 VALUE CHAIN ANALYSIS****FIGURE 23 VALUE CHAIN ANALYSIS: AIR-TO-AIR REFUELING MARKET****5.9 REGULATORY NORMS FOR AIR-TO-AIR REFUELING****5.10 TRADE DATA****5.10.1 AIRCRAFT, SPACECRAFT, & SUBASSEMBLY EXPORT AND IMPORT DATA, 2018–2019****TABLE 4 AIRCRAFT, SPACECRAFT, & SUBASSEMBLY EXPORT DATA, 2018–2019****TABLE 5 AIRCRAFT, SPACECRAFT, & SUBASSEMBLY IMPORT DATA, 2018–2019****5.11 PORTER'S FIVE FORCES MODEL****5.12 TECHNOLOGY ANALYSIS****5.12.1 UNMANNED AERIAL REFUELING VEHICLES****5.12.2 AIRCRAFT REFUELING CONTROLS****5.13 USE CASES****5.13.1 COMMERCIALIZATION OF REFUELING SERVICES****5.13.2 FOCUS OF US NAVY TOWARDS DEVELOPMENT OF MQ-25A STINGRAY AERIAL REFUELING AIRCRAFT****5.13.3 BUDDY REFUELING PODS****5.14 OPERATIONAL DATA****TABLE 6 TOP 10 ACTIVE COMBAT AIRCRAFT FLEET SIZE WORLDWIDE****TABLE 7 TOP 10 ACTIVE TANKER AIRCRAFT FLEET SIZE WORLDWIDE****TABLE 8 ACTIVE TANKER FLEET SIZE, BY COUNTRY****TABLE 9 ACTIVE COMBAT AIRCRAFT FLEET SIZE, BY COUNTRY****6 INDUSTRY TRENDS****6.1 INTRODUCTION****6.2 TANKER INVENTORY****TABLE 10 TANKER INVENTORY, 2020–2025****6.3 TECHNOLOGICAL TRENDS****6.3.1 AUTONOMOUS REFUELING****6.3.2 VIRTUAL REFUELING****6.3.3 REMOTE VISION SYSTEM****6.3.4 BUDDY REFUELING PODS****6.4 INNOVATIONS AND PATENT REGISTRATIONS, 2013–2020****TABLE 11 INNOVATIONS AND PATENT REGISTRATIONS, 2013–2020**

7 AIR-TO-AIR REFUELING MARKET, BY COMPONENT

7.1 INTRODUCTION

FIGURE 24 FUEL TANKS SEGMENT PROJECTED TO LEAD AIR-TO-AIR REFUELING MARKET DURING FORECAST PERIOD

TABLE 12 AIR-TO-AIR REFUELING MARKET SIZE, BY COMPONENT, 2017–2019 (USD MILLION)

TABLE 13 AIR-TO-AIR REFUELING MARKET SIZE, BY COMPONENT, 2020–2025 (USD MILLION)

7.2 PUMPS

7.2.1 PUMPS ARE MAJORLY USED IN FUEL SYSTEMS, ENGINES, AND HYDRAULIC SYSTEMS

7.3 VALVES

7.3.1 IMPROVING OPERATIONAL EFFICIENCY OF VALVES LEADS TO HIGHER RELIABILITY AND SAFETY OF OPERATIONS

7.4 NOZZLES

7.4.1 NOZZLES ARE MAJORLY USED TO CONTROL AIRCRAFT ENGINE

7.5 HOSES

7.5.1 HOSES ARE USED FOR PROBE & DROGUE REFUELING

7.6 BOOM

7.6.1 BOOM SYSTEM IS PRIMARILY USED FOR RAPID FUEL TRANSFER

7.7 PROBES

7.7.1 PROBE SYSTEMS ARE MAJORLY USED FOR FIGHTER AND MILITARY HELICOPTERS

7.8 FUEL TANKS

7.8.1 FUEL TANKS INCREASINGLY USED IN ENVIRONMENTAL CONTROL SYSTEMS AND ENGINE BLEED AIR SUPPLY SYSTEMS

7.9 PODS

7.9.1 WING PODS ENABLE MULTI-POINT AIR-TO-AIR REFUELING

8 AIR-TO-AIR REFUELING MARKET, BY SYSTEM

8.1 INTRODUCTION

FIGURE 25 BY SYSTEM, BOOM REFUELING SEGMENT PROJECTED TO LEAD AIR-TO-AIR REFUELING MARKET DURING FORECAST PERIOD

TABLE 14 AIR-TO-AIR REFUELING MARKET SIZE, BY SYSTEM, 2017–2019 (USD MILLION)

TABLE 15 AIR-TO-AIR REFUELING MARKET SIZE, BY SYSTEM, 2020–2025 (USD MILLION)

8.2 PROBE & DROGUE

8.2.1 PROBE & DROGUE SYSTEM DOES NOT REQUIRE BOOM OPERATOR

8.2.1.1 Multi-Point

8.2.1.2 Buddy

TABLE 16 PROBE & DROGUE MARKET SIZE, BY TYPE, 2017–2019 (USD MILLION)

TABLE 17 PROBE & DROGUE MARKET SIZE, BY TYPE, 2020–2025 (USD MILLION)

8.3 BOOM REFUELING

8.3.1 BOOM REFUELING SYSTEM REDUCES TIME REQUIRED TO TRANSFER FUEL FROM ONE AIRCRAFT TO ANOTHER

TABLE 18 BOOM REFUELING MARKET SIZE, BY TYPE, 2017–2019 (USD MILLION)

TABLE 19 BOOM REFUELING MARKET SIZE, BY TYPE, 2020–2025 (USD MILLION)

8.4 AUTONOMOUS

8.4.1 INCREASING USE OF AUTONOMOUS REFUELING SYSTEMS FOR MID-AIR REFUELING

TABLE 20 AUTONOMOUS MARKET SIZE, BY TYPE, 2017–2019 (USD MILLION)

TABLE 21 AUTONOMOUS MARKET SIZE, BY TYPE, 2020–2025 (USD MILLION)

9 AIR-TO-AIR REFUELING MARKET, BY AIRCRAFT TYPE

9.1 INTRODUCTION

FIGURE 26 BY AIRCRAFT TYPE, FIXED-WING SEGMENT ESTIMATED TO LEAD AIR-TO-AIR REFUELING MARKET DURING FORECAST PERIOD

TABLE 22 AIR-TO-AIR REFUELING MARKET SIZE, BY AIRCRAFT TYPE, 2017–2019 (USD MILLION)

TABLE 23 AIR-TO-AIR REFUELING MARKET SIZE, BY AIRCRAFT TYPE, 2020–2025 (USD MILLION)

9.2 FIXED WING

9.2.1 FIGHTER AIRCRAFT

9.2.1.1 Increasing procurement of fighter aircraft due to increasing military budgets

9.2.2 TANKER AIRCRAFT

9.2.2.1 Tankers majorly used to transfer aviation fuel from one military aircraft to another

9.2.3 MILITARY TRANSPORT AIRCRAFT

9.2.3.1 Increasing use of transport aircraft in military operations

9.2.4 UAVS

9.2.4.1 Increasing production of long-range UAVs expected to drive UAV market

TABLE 24 FIXED WING AIRCRAFT: AIR-TO-AIR REFUELING MARKET SIZE, BY TYPE, 2017–2019 (USD MILLION)

TABLE 25 FIXED WING AIRCRAFT: AIR-TO-AIR REFUELING MARKET SIZE, BY

TYPE, 2020–2025 (USD MILLION)

TABLE 26 AIR-TO-AIR REFUELING MARKET SIZE FOR FIXED WING AIRCRAFT, BY
END USER, 2017–2019 (USD MILLION)

TABLE 27 AIR-TO-AIR REFUELING MARKET SIZE FOR FIXED WING AIRCRAFT, BY
END USER, 2020–2025 (USD MILLION)

9.3 ROTARY WING

9.3.1 ATTACK HELICOPTERS

9.3.1.1 Attack helicopters are majorly used for reconnaissance and security
operations

9.3.2 TRANSPORT HELICOPTERS

9.3.2.1 Military transport helicopters are majorly used for airlifting troops & weapons
TABLE 28 ROTARY WING AIRCRAFT: AIR-TO-AIR REFUELING MARKET SIZE, BY
TYPE, 2017–2019 (USD MILLION)

TABLE 29 ROTARY WING AIRCRAFT: AIR-TO-AIR REFUELING MARKET SIZE, BY
TYPE, 2020–2025 (USD MILLION)

TABLE 30 AIR-TO-AIR REFUELING MARKET SIZE FOR ROTARY WING AIRCRAFT,
BY END USER, 2017–2019 (USD MILLION)

TABLE 31 AIR-TO-AIR REFUELING MARKET SIZE FOR ROTARY WING AIRCRAFT,
BY END USER, 2020–2025 (USD MILLION)

10 AIR-TO-AIR REFUELING MARKET, BY TYPE

10.1 INTRODUCTION

FIGURE 27 MANNED SEGMENT PROJECTED TO LEAD AIR-TO-AIR REFUELING
MARKET DURING FORECAST PERIOD

TABLE 32 AIR-TO-AIR REFUELING MARKET SIZE, BY TYPE, 2017–2019 (USD
MILLION)

TABLE 33 AIR-TO-AIR REFUELING MARKET SIZE, BY TYPE, 2020–2025 (USD
MILLION)

10.2 MANNED

10.2.1 PILOT-CONTROLLED AIRCRAFT

10.3 UNMANNED

10.3.1 ARTIFICIALLY INTELLIGENT AIRCRAFT

11 AIR-TO-AIR REFUELING MARKET, BY END USER

11.1 INTRODUCTION

11.2 IMPACT OF COVID-19 ON END USER

11.2.1 MOST IMPACTED END USER

11.2.2 LEAST IMPACTED END USER

FIGURE 28 AIR-TO-AIR REFUELING MARKET, BY END USER, 2020 & 2025

TABLE 34 AIR-TO-AIR REFUELING MARKET SIZE, BY END USER, 2017–2019 (USD MILLION)

TABLE 35 AIR-TO-AIR REFUELING MARKET SIZE, BY END USER, 2020–2025 (USD MILLION)

11.3 OEM

TABLE 36 AIR-TO-AIR REFUELING OEM MARKET SIZE, BY REGION, 2017–2019 (USD MILLION)

TABLE 37 AIR-TO-AIR REFUELING OEM MARKET SIZE, BY REGION, 2020–2025 (USD MILLION)

11.4 AFTERMARKET

TABLE 38 AIR-TO-AIR REFUELING AFTERMARKET SIZE, BY REGION, 2017–2019 (USD MILLION)

TABLE 39 AIR-TO-AIR REFUELING AFTERMARKET SIZE, BY REGION, 2020–2025 (USD MILLION)

12 REGIONAL ANALYSIS

12.1 INTRODUCTION

12.2 GLOBAL SCENARIOS OF AIR-TO-AIR REFUELING MARKET

FIGURE 29 GLOBAL SCENARIOS OF AIR-TO-AIR REFUELING MARKET

FIGURE 30 NORTH AMERICA ESTIMATED ACCOUNT FOR LARGEST SHARE OF AIR-TO-AIR REFUELING MARKET IN 2020

TABLE 40 AIR-TO-AIR REFUELING MARKET SIZE, BY REGION, 2017–2019 (USD MILLION)

TABLE 41 AIR-TO-AIR REFUELING MARKET SIZE, BY REGION, 2020–2025 (USD MILLION)

12.3 NORTH AMERICA

12.3.1 PESTLE ANALYSIS: NORTH AMERICA

FIGURE 31 NORTH AMERICA: AIR-TO-AIR REFUELING MARKET SNAPSHOT

TABLE 42 NORTH AMERICA: AIR-TO-AIR REFUELING MARKET SIZE, BY SYSTEM, 2017–2019 (USD MILLION)

TABLE 43 NORTH AMERICA: AIR-TO-AIR REFUELING MARKET SIZE, BY SYSTEM, 2020–2025 (USD MILLION)

TABLE 44 NORTH AMERICA: AIR-TO-AIR REFUELING MARKET SIZE, BY AIRCRAFT TYPE, 2017–2019 (USD MILLION)

TABLE 45 NORTH AMERICA: AIR-TO-AIR REFUELING MARKET SIZE, BY AIRCRAFT TYPE, 2020–2025 (USD MILLION)

TABLE 46 NORTH AMERICA: AIR-TO-AIR REFUELING MARKET SIZE FOR FIXED WING AIRCRAFT, BY TYPE, 2017–2019 (USD MILLION)

TABLE 47 NORTH AMERICA: AIR-TO-AIR REFUELING MARKET SIZE FOR FIXED WING AIRCRAFT, BY TYPE, 2020–2025 (USD MILLION)

TABLE 48 NORTH AMERICA: AIR-TO-AIR REFUELING MARKET SIZE FOR ROTARY WING AIRCRAFT, BY TYPE, 2017–2019 (USD MILLION)

TABLE 49 NORTH AMERICA: AIR-TO-AIR REFUELING MARKET SIZE FOR ROTARY WING AIRCRAFT, BY TYPE, 2020–2025 (USD MILLION)

TABLE 50 NORTH AMERICA: AIR-TO-AIR REFUELING MARKET SIZE, BY TYPE, 2017–2019 (USD MILLION)

TABLE 51 NORTH AMERICA: AIR-TO-AIR REFUELING MARKET SIZE, BY TYPE, 2020–2025 (USD MILLION)

TABLE 52 NORTH AMERICA: AIR-TO-AIR REFUELING MARKET SIZE, BY END USER, 2017–2019 (USD MILLION)

TABLE 53 NORTH AMERICA: AIR-TO-AIR REFUELING MARKET SIZE, BY END USER, 2020–2025 (USD MILLION)

TABLE 54 NORTH AMERICA: AIR-TO-AIR REFUELING MARKET SIZE, BY COUNTRY, 2017–2019 (USD MILLION)

TABLE 55 NORTH AMERICA: AIR-TO-AIR REFUELING MARKET SIZE, BY COUNTRY, 2020–2025 (USD MILLION)

12.3.2 US

12.3.2.1 Increase in tanker aircraft deliveries from Boeing drives market growth in US
TABLE 56 US: AIR-TO-AIR REFUELING MARKET SIZE, BY SYSTEM, 2017–2019 (USD MILLION)

TABLE 57 US: AIR-TO-AIR REFUELING MARKET SIZE, BY SYSTEM, 2020–2025 (USD MILLION)

TABLE 58 US: AIR-TO-AIR REFUELING MARKET SIZE, BY AIRCRAFT TYPE, 2017–2019 (USD MILLION)

TABLE 59 US: AIR-TO-AIR REFUELING MARKET SIZE, BY AIRCRAFT TYPE, 2020–2025 (USD MILLION)

12.3.3 CANADA

12.3.3.1 Increase in demand for UAVs for military applications driving market growth in Canada

TABLE 60 CANADA: AIR-TO-AIR REFUELING MARKET SIZE, BY SYSTEM, 2017–2019 (USD MILLION)

TABLE 61 CANADA: AIR-TO-AIR REFUELING MARKET SIZE, BY SYSTEM, 2020–2025 (USD MILLION)

TABLE 62 CANADA: AIR-TO-AIR REFUELING MARKET SIZE, BY AIRCRAFT TYPE, 2017–2019 (USD MILLION)

TABLE 63 CANADA: AIR-TO-AIR REFUELING MARKET SIZE, BY AIRCRAFT TYPE, 2020–2025 (USD MILLION)

12.4 EUROPE

12.4.1 PESTLE ANALYSIS: EUROPE

FIGURE 32 EUROPE: AIR-TO-AIR REFUELING MARKET SNAPSHOT

TABLE 64 EUROPE: AIR-TO-AIR REFUELING MARKET SIZE, BY SYSTEM, 2017–2019 (USD MILLION)

TABLE 65 EUROPE: AIR-TO-AIR REFUELING MARKET SIZE, BY SYSTEM, 2020–2025 (USD MILLION)

TABLE 66 EUROPE: AIR-TO-AIR REFUELING MARKET SIZE, BY AIRCRAFT TYPE, 2017–2019 (USD MILLION)

TABLE 67 EUROPE: AIR-TO-AIR REFUELING MARKET SIZE, BY AIRCRAFT TYPE, 2020–2025 (USD MILLION)

TABLE 68 EUROPE: AIR-TO-AIR REFUELING MARKET SIZE FOR FIXED WING AIRCRAFT, BY TYPE, 2017–2019 (USD MILLION)

TABLE 69 EUROPE: AIR-TO-AIR REFUELING MARKET SIZE FOR FIXED WING AIRCRAFT, BY TYPE, 2020–2025 (USD MILLION)

TABLE 70 EUROPE: AIR-TO-AIR REFUELING MARKET SIZE FOR ROTARY WING AIRCRAFT, BY TYPE, 2017–2019 (USD MILLION)

TABLE 71 EUROPE: AIR-TO-AIR REFUELING MARKET SIZE FOR ROTARY WING AIRCRAFT, BY TYPE, 2020–2025 (USD MILLION)

TABLE 72 EUROPE: AIR-TO-AIR REFUELING MARKET SIZE, BY TYPE, 2017–2019 (USD MILLION)

TABLE 73 EUROPE: AIR-TO-AIR REFUELING MARKET SIZE, BY TYPE, 2020–2025 (USD MILLION)

TABLE 74 EUROPE: AIR-TO-AIR REFUELING MARKET SIZE, BY END USER, 2017–2019 (USD MILLION)

TABLE 75 EUROPE: AIR-TO-AIR REFUELING MARKET SIZE, BY END USER, 2020–2025 (USD MILLION)

TABLE 76 EUROPE: AIR-TO-AIR REFUELING MARKET SIZE, BY COUNTRY, 2017–2019 (USD MILLION)

TABLE 77 EUROPE: AIR-TO-AIR REFUELING MARKET SIZE, BY COUNTRY, 2020–2025 (USD MILLION)

12.4.2 FRANCE

12.4.2.1 Modernization of aerial refueling fleet driving market growth in France

FIGURE 33 FRANCE: MILITARY SPENDING, 2010–2019 (USD BILLION)

TABLE 78 FRANCE: AIR-TO-AIR REFUELING MARKET SIZE, BY SYSTEM, 2017–2019 (USD MILLION)

TABLE 79 FRANCE: AIR-TO-AIR REFUELING MARKET SIZE, BY SYSTEM,

2020–2025 (USD MILLION)

TABLE 80 FRANCE: AIR-TO-AIR REFUELING MARKET SIZE, BY AIRCRAFT TYPE, 2017–2019 (USD MILLION)

TABLE 81 FRANCE: AIR-TO-AIR REFUELING MARKET SIZE, BY AIRCRAFT TYPE, 2020–2025 (USD MILLION)

12.4.3 GERMANY

12.4.3.1 Increase in defense spending driving market growth in Germany

TABLE 82 GERMANY: AIR-TO-AIR REFUELING MARKET SIZE, BY SYSTEM, 2017–2019 (USD MILLION)

TABLE 83 GERMANY: AIR-TO-AIR REFUELING MARKET SIZE, BY SYSTEM, 2020–2025 (USD MILLION)

TABLE 84 GERMANY: AIR-TO-AIR REFUELING MARKET SIZE, BY AIRCRAFT TYPE, 2017–2019 (USD MILLION)

TABLE 85 GERMANY: AIR-TO-AIR REFUELING MARKET SIZE, BY AIRCRAFT TYPE, 2020–2025 (USD MILLION)

12.4.4 UK

12.4.4.1 Presence of major component manufacturers, such as Cobham and BAE Systems, driving market growth in UK

FIGURE 34 UK: MILITARY SPENDING, 2010–2019 (USD BILLION)

TABLE 86 UK: AIR-TO-AIR REFUELING MARKET SIZE, BY SYSTEM, 2017–2019 (USD MILLION)

TABLE 87 UK: AIR-TO-AIR REFUELING MARKET SIZE, BY SYSTEM, 2020–2025 (USD MILLION)

TABLE 88 UK: AIR-TO-AIR REFUELING MARKET SIZE, BY AIRCRAFT TYPE, 2017–2019 (USD MILLION)

TABLE 89 UK: AIR-TO-AIR REFUELING MARKET SIZE, BY AIRCRAFT TYPE, 2020–2025 (USD MILLION)

12.4.5 REST OF EUROPE

TABLE 90 REST OF EUROPE: AIR-TO-AIR REFUELING MARKET SIZE, BY SYSTEM, 2017–2019 (USD MILLION)

TABLE 91 REST OF EUROPE: AIR-TO-AIR REFUELING MARKET SIZE, BY SYSTEM, 2020–2025 (USD MILLION)

TABLE 92 REST OF EUROPE: AIR-TO-AIR REFUELING MARKET SIZE, BY AIRCRAFT TYPE, 2017–2019 (USD MILLION)

TABLE 93 REST OF EUROPE: AIR-TO-AIR REFUELING MARKET SIZE, BY AIRCRAFT TYPE, 2020–2025 (USD MILLION)

12.5 ASIA PACIFIC

12.5.1 PESTLE ANALYSIS: ASIA PACIFIC

FIGURE 35 ASIA PACIFIC: AIR-TO-AIR REFUELING MARKET SNAPSHOT

TABLE 94 ASIA PACIFIC: AIR-TO-AIR REFUELING MARKET SIZE, BY SYSTEM, 2017–2019 (USD MILLION)

TABLE 95 ASIA PACIFIC: AIR-TO-AIR REFUELING MARKET SIZE, BY SYSTEM, 2020–2025 (USD MILLION)

TABLE 96 ASIA PACIFIC: AIR-TO-AIR REFUELING MARKET SIZE, BY AIRCRAFT TYPE, 2017–2019 (USD MILLION)

TABLE 97 ASIA PACIFIC: AIR-TO-AIR REFUELING MARKET SIZE, BY AIRCRAFT TYPE, 2020–2025 (USD MILLION)

TABLE 98 ASIA PACIFIC: AIR-TO-AIR REFUELING MARKET SIZE FOR FIXED WING AIRCRAFT, BY TYPE, 2017–2019 (USD MILLION)

TABLE 99 ASIA PACIFIC: AIR-TO-AIR REFUELING MARKET SIZE FOR FIXED WING AIRCRAFT, BY TYPE, 2020–2025 (USD MILLION)

TABLE 100 ASIA PACIFIC: AIR-TO-AIR REFUELING MARKET SIZE FOR ROTARY WING AIRCRAFT, BY TYPE, 2017–2019 (USD MILLION)

TABLE 101 ASIA PACIFIC: AIR-TO-AIR REFUELING MARKET SIZE FOR ROTARY WING AIRCRAFT, BY TYPE, 2020–2025 (USD MILLION)

TABLE 102 ASIA PACIFIC: AIR-TO-AIR REFUELING MARKET SIZE, BY TYPE, 2017–2019 (USD MILLION)

TABLE 103 ASIA PACIFIC: AIR-TO-AIR REFUELING MARKET SIZE, BY TYPE, 2020–2025 (USD MILLION)

TABLE 104 ASIA PACIFIC: AIR-TO-AIR REFUELING MARKET SIZE, BY END USER, 2017–2019 (USD MILLION)

TABLE 105 ASIA PACIFIC: AIR-TO-AIR REFUELING MARKET SIZE, BY END USER, 2020–2025 (USD MILLION)

TABLE 106 ASIA PACIFIC: AIR-TO-AIR REFUELING MARKET SIZE, BY COUNTRY, 2017–2019 (USD MILLION)

TABLE 107 ASIA PACIFIC: AIR-TO-AIR REFUELING MARKET SIZE, BY COUNTRY, 2020–2025 (USD MILLION)

12.5.2 RUSSIA

FIGURE 36 RUSSIA: MILITARY SPENDING, 2010–2019 (USD BILLION)

TABLE 108 RUSSIA: AIR-TO-AIR REFUELING MARKET SIZE, BY SYSTEM, 2017–2019 (USD MILLION)

TABLE 109 RUSSIA: AIR-TO-AIR REFUELING MARKET SIZE, BY SYSTEM, 2020–2025 (USD MILLION)

TABLE 110 RUSSIA: AIR-TO-AIR REFUELING MARKET SIZE, BY AIRCRAFT TYPE, 2017–2019 (USD MILLION)

TABLE 111 RUSSIA: AIR-TO-AIR REFUELING MARKET SIZE, BY AIRCRAFT TYPE, 2020–2025 (USD MILLION)

12.5.3 JAPAN

12.5.3.1 Increasing demand for military transport aircraft to drive market growth in Japan

TABLE 112 JAPAN: AIR-TO-AIR REFUELING MARKET SIZE, BY SYSTEM, 2017–2019 (USD MILLION)

TABLE 113 JAPAN: AIR-TO-AIR REFUELING MARKET SIZE, BY SYSTEM, 2020–2025 (USD MILLION)

TABLE 114 JAPAN: AIR-TO-AIR REFUELING MARKET SIZE, BY AIRCRAFT TYPE, 2017–2019 (USD MILLION)

TABLE 115 JAPAN: AIR-TO-AIR REFUELING MARKET SIZE, BY AIRCRAFT TYPE, 2020–2025 (USD MILLION)

12.5.4 CHINA

12.5.4.1 Presence of major aircraft manufacturers, such as Comac, to drive market growth in China

TABLE 116 CHINA: AIR-TO-AIR REFUELING MARKET SIZE, BY SYSTEM, 2017–2019 (USD MILLION)

TABLE 117 CHINA: AIR-TO-AIR REFUELING MARKET SIZE, BY SYSTEM, 2020–2025 (USD MILLION)

TABLE 118 CHINA: AIR-TO-AIR REFUELING MARKET SIZE, BY AIRCRAFT TYPE, 2017–2019 (USD MILLION)

TABLE 119 CHINA: AIR-TO-AIR REFUELING MARKET SIZE, BY AIRCRAFT TYPE, 2020–2025 (USD MILLION)

12.5.5 INDIA

12.5.5.1 Development of light combat aircraft to drive market growth in India

TABLE 120 INDIA: AIR-TO-AIR REFUELING MARKET SIZE, BY SYSTEM, 2017–2019 (USD MILLION)

TABLE 121 INDIA: AIR-TO-AIR REFUELING MARKET SIZE, BY SYSTEM, 2020–2025 (USD MILLION)

TABLE 122 INDIA: AIR-TO-AIR REFUELING MARKET SIZE, BY AIRCRAFT TYPE, 2017–2019 (USD MILLION)

TABLE 123 INDIA: AIR-TO-AIR REFUELING MARKET SIZE, BY AIRCRAFT TYPE, 2020–2025 (USD MILLION)

12.5.6 REST OF ASIA PACIFIC

12.5.6.1 Focus of countries to enhance defense and security drive market growth in this region

TABLE 124 REST OF ASIA PACIFIC: AIR-TO-AIR REFUELING MARKET SIZE, BY SYSTEM, 2017–2019 (USD MILLION)

TABLE 125 REST OF ASIA PACIFIC: AIR-TO-AIR REFUELING MARKET SIZE, BY SYSTEM, 2020–2025 (USD MILLION)

TABLE 126 REST OF ASIA PACIFIC: AIR-TO-AIR REFUELING MARKET SIZE, BY

AIRCRAFT TYPE, 2017–2019 (USD MILLION)

TABLE 127 REST OF ASIA PACIFIC: AIR-TO-AIR REFUELING MARKET SIZE, BY AIRCRAFT TYPE, 2020–2025 (USD MILLION)

12.6 REST OF THE WORLD

12.6.1 PESTLE ANALYSIS: REST OF THE WORLD

TABLE 128 REST OF THE WORLD: AIR-TO-AIR REFUELING MARKET SIZE, BY SYSTEM, 2017–2019 (USD MILLION)

TABLE 129 REST OF THE WORLD: AIR-TO-AIR REFUELING MARKET SIZE, BY SYSTEM, 2020–2025 (USD MILLION)

TABLE 130 REST OF THE WORLD: AIR-TO-AIR REFUELING MARKET SIZE, BY AIRCRAFT TYPE, 2017–2019 (USD MILLION)

TABLE 131 REST OF THE WORLD: AIR-TO-AIR REFUELING MARKET SIZE, BY AIRCRAFT TYPE, 2020–2025 (USD MILLION)

TABLE 132 REST OF THE WORLD: AIR-TO-AIR REFUELING MARKET SIZE FOR FIXED WING AIRCRAFT, BY TYPE, 2017–2019 (USD MILLION)

TABLE 133 REST OF THE WORLD: AIR-TO-AIR REFUELING MARKET SIZE FOR FIXED WING AIRCRAFT, BY TYPE, 2020–2025 (USD MILLION)

TABLE 134 REST OF THE WORLD: AIR-TO-AIR REFUELING MARKET SIZE FOR ROTARY WING AIRCRAFT, BY TYPE, 2017–2019 (USD MILLION)

TABLE 135 REST OF THE WORLD: AIR-TO-AIR REFUELING MARKET SIZE FOR ROTARY WING AIRCRAFT, BY TYPE, 2020–2025 (USD MILLION)

TABLE 136 REST OF THE WORLD: AIR-TO-AIR REFUELING MARKET SIZE, BY TYPE, 2017–2019 (USD MILLION)

TABLE 137 REST OF THE WORLD: AIR-TO-AIR REFUELING MARKET SIZE, BY TYPE, 2020–2025 (USD MILLION)

TABLE 138 REST OF THE WORLD: AIR-TO-AIR REFUELING MARKET SIZE, BY END USER, 2017–2019 (USD MILLION)

TABLE 139 REST OF THE WORLD: AIR-TO-AIR REFUELING MARKET SIZE, BY END USER, 2020–2025 (USD MILLION)

12.6.2 MIDDLE EAST

TABLE 140 MIDDLE EAST: AIR-TO-AIR REFUELING MARKET SIZE, BY SYSTEM, 2017–2019 (USD MILLION)

TABLE 141 MIDDLE EAST: AIR-TO-AIR REFUELING MARKET SIZE, BY SYSTEM, 2020–2025 (USD MILLION)

TABLE 142 MIDDLE EAST: AIR-TO-AIR REFUELING MARKET SIZE, BY AIRCRAFT TYPE, 2017–2019 (USD MILLION)

TABLE 143 MIDDLE EAST: AIR-TO-AIR REFUELING MARKET SIZE, BY AIRCRAFT TYPE, 2020–2025 (USD MILLION)

TABLE 144 MIDDLE EAST: AIR-TO-AIR REFUELING MARKET SIZE FOR FIXED

WING AIRCRAFT, BY TYPE, 2017–2019 (USD MILLION)

TABLE 145 MIDDLE EAST: AIR-TO-AIR REFUELING MARKET SIZE FOR FIXED WING AIRCRAFT, BY TYPE, 2020–2025 (USD MILLION)

TABLE 146 MIDDLE EAST: AIR-TO-AIR REFUELING MARKET SIZE FOR ROTARY WING AIRCRAFT, BY TYPE, 2017–2019 (USD MILLION)

TABLE 147 MIDDLE EAST: AIR-TO-AIR REFUELING MARKET SIZE FOR ROTARY WING AIRCRAFT, BY TYPE, 2020–2025 (USD MILLION)

TABLE 148 MIDDLE EAST: AIR-TO-AIR REFUELING MARKET SIZE, BY TYPE, 2017–2019 (USD MILLION)

TABLE 149 MIDDLE EAST: AIR-TO-AIR REFUELING MARKET SIZE, BY TYPE, 2020–2025 (USD MILLION)

TABLE 150 MIDDLE EAST: AIR-TO-AIR REFUELING MARKET SIZE, BY END USER, 2017–2019 (USD MILLION)

TABLE 151 MIDDLE EAST: AIR-TO-AIR REFUELING MARKET SIZE, BY END USER, 2020–2025 (USD MILLION)

12.6.2.1 Saudi Arabia

TABLE 152 SAUDI ARABIA: AIR-TO-AIR REFUELING MARKET SIZE, BY SYSTEM, 2017–2019 (USD MILLION)

TABLE 153 SAUDI ARABIA: AIR-TO-AIR REFUELING MARKET SIZE, BY SYSTEM, 2020–2025 (USD MILLION)

TABLE 154 SAUDI ARABIA: AIR-TO-AIR REFUELING MARKET SIZE, BY AIRCRAFT TYPE, 2017–2019 (USD MILLION)

TABLE 155 SAUDI ARABIA: AIR-TO-AIR REFUELING MARKET SIZE, BY AIRCRAFT TYPE, 2020–2025 (USD MILLION)

12.6.2.2 Rest of Middle East

TABLE 156 REST OF MIDDLE EAST: AIR-TO-AIR REFUELING MARKET SIZE, BY SYSTEM, 2017–2019 (USD MILLION)

TABLE 157 REST OF MIDDLE EAST: AIR-TO-AIR REFUELING MARKET SIZE, BY SYSTEM, 2020–2025 (USD MILLION)

TABLE 158 REST OF MIDDLE EAST: AIR-TO-AIR REFUELING MARKET SIZE, BY AIRCRAFT TYPE, 2017–2019 (USD MILLION)

TABLE 159 REST OF MIDDLE EAST: AIR-TO-AIR REFUELING MARKET SIZE, BY AIRCRAFT TYPE, 2020–2025 (USD MILLION)

12.6.3 LATIN AMERICA

TABLE 160 LATIN AMERICA: AIR-TO-AIR REFUELING MARKET SIZE, BY SYSTEM, 2017–2019 (USD MILLION)

TABLE 161 LATIN AMERICA: AIR-TO-AIR REFUELING MARKET SIZE, BY SYSTEM, 2020–2025 (USD MILLION)

TABLE 162 LATIN AMERICA: AIR-TO-AIR REFUELING MARKET SIZE, BY

AIRCRAFT TYPE, 2017–2019 (USD MILLION)

TABLE 163 LATIN AMERICA: AIR-TO-AIR REFUELING MARKET SIZE, BY
AIRCRAFT TYPE, 2020–2025 (USD MILLION)

TABLE 164 LATIN AMERICA: AIR-TO-AIR REFUELING MARKET SIZE FOR FIXED
WING AIRCRAFT, BY TYPE, 2017–2019 (USD MILLION)

TABLE 165 LATIN AMERICA: AIR-TO-AIR REFUELING MARKET SIZE FOR FIXED
WING AIRCRAFT, BY TYPE, 2020–2025 (USD MILLION)

TABLE 166 LATIN AMERICA: AIR-TO-AIR REFUELING MARKET SIZE FOR ROTARY
WING AIRCRAFT, BY TYPE, 2017–2019 (USD MILLION)

TABLE 167 LATIN AMERICA: AIR-TO-AIR REFUELING MARKET SIZE FOR ROTARY
WING AIRCRAFT, BY TYPE, 2020–2025 (USD MILLION)

TABLE 168 LATIN AMERICA: AIR-TO-AIR REFUELING MARKET SIZE, BY TYPE,
2017–2019 (USD MILLION)

TABLE 169 LATIN AMERICA: AIR-TO-AIR REFUELING MARKET SIZE, BY TYPE,
2020–2025 (USD MILLION)

TABLE 170 LATIN AMERICA: AIR-TO-AIR REFUELING MARKET SIZE, BY END
USER, 2017–2019 (USD MILLION)

TABLE 171 LATIN AMERICA: AIR-TO-AIR REFUELING MARKET SIZE, BY END
USER, 2020–2025 (USD MILLION)

12.6.3.1 Brazil

12.6.3.1.1 Modernization of armed forces boosts market growth in Brazil

TABLE 172 BRAZIL: AIR-TO-AIR REFUELING MARKET SIZE, BY SYSTEM,
2017–2019 (USD MILLION)

TABLE 173 BRAZIL: AIR-TO-AIR REFUELING MARKET SIZE, BY SYSTEM,
2020–2025 (USD MILLION)

TABLE 174 BRAZIL: AIR-TO-AIR REFUELING MARKET SIZE, BY AIRCRAFT TYPE,
2017–2019 (USD MILLION)

TABLE 175 BRAZIL: AIR-TO-AIR REFUELING MARKET SIZE, BY AIRCRAFT TYPE,
2020–2025 (USD MILLION)

12.6.3.2 Rest of Latin America

TABLE 176 REST OF LATIN AMERICA: AIR-TO-AIR REFUELING MARKET SIZE, BY
SYSTEM, 2017–2019 (USD MILLION)

TABLE 177 REST OF LATIN AMERICA: AIR-TO-AIR REFUELING MARKET SIZE, BY
SYSTEM, 2020–2025 (USD MILLION)

TABLE 178 REST OF LATIN AMERICA: AIR-TO-AIR REFUELING MARKET SIZE, BY
AIRCRAFT TYPE, 2017–2019 (USD MILLION)

TABLE 179 REST OF LATIN AMERICA: AIR-TO-AIR REFUELING MARKET SIZE, BY
AIRCRAFT TYPE, 2020–2025 (USD MILLION)

12.6.4 AFRICA

TABLE 180 AFRICA: AIR-TO-AIR REFUELING MARKET SIZE, BY SYSTEM,
2017–2019 (USD MILLION)

TABLE 181 AFRICA: AIR-TO-AIR REFUELING MARKET SIZE, BY SYSTEM,
2020–2025 (USD MILLION)

TABLE 182 AFRICA: AIR-TO-AIR REFUELING MARKET SIZE, BY AIRCRAFT TYPE,
2017–2019 (USD MILLION)

TABLE 183 AFRICA: AIR-TO-AIR REFUELING MARKET SIZE, BY AIRCRAFT TYPE,
2020–2025 (USD MILLION)

TABLE 184 AFRICA: AIR-TO-AIR REFUELING MARKET SIZE FOR FIXED WING
AIRCRAFT, BY TYPE, 2017–2019 (USD MILLION)

TABLE 185 AFRICA: AIR-TO-AIR REFUELING MARKET SIZE FOR FIXED WING
AIRCRAFT, BY TYPE, 2020–2025 (USD MILLION)

TABLE 186 AFRICA: AIR-TO-AIR REFUELING MARKET SIZE FOR ROTARY WING
AIRCRAFT, BY TYPE, 2017–2019 (USD MILLION)

TABLE 187 AFRICA: AIR-TO-AIR REFUELING MARKET SIZE FOR ROTARY WING
AIRCRAFT, BY TYPE, 2020–2025 (USD MILLION)

TABLE 188 AFRICA: AIR-TO-AIR REFUELING MARKET SIZE, BY TYPE, 2017–2019
(USD MILLION)

TABLE 189 AFRICA: AIR-TO-AIR REFUELING MARKET SIZE, BY TYPE, 2020–2025
(USD MILLION)

TABLE 190 AFRICA: AIR-TO-AIR REFUELING MARKET SIZE, BY END USER,
2017–2019 (USD MILLION)

TABLE 191 AFRICA: AIR-TO-AIR REFUELING MARKET SIZE, BY END USER,
2020–2025 (USD MILLION)

13 COMPETITIVE LANDSCAPE

13.1 INTRODUCTION

13.2 RANKING OF LEADING PLAYERS, 2020

FIGURE 37 MARKET RANKING OF LEADING PLAYERS IN AIR-TO-AIR REFUELING
MARKET, 2020

13.3 MARKET SHARE ANALYSIS OF LEADING PLAYERS, 2020

FIGURE 38 MARKET SHARE ANALYSIS OF LEADING PLAYERS IN AIR-TO-AIR
REFUELING MARKET, 2020

13.4 REVENUE ANALYSIS OF LEADING MARKET PLAYERS, 2019

FIGURE 39 REVENUE ANALYSIS OF LEADING PLAYERS IN AIR-TO-AIR
REFUELING MARKET, 2019

13.5 COMPETITIVE OVERVIEW

TABLE 192 KEY DEVELOPMENTS BY LEADING PLAYERS IN AIR-TO-AIR

REFUELING MARKET BETWEEN 2019 AND 2021

13.6 COMPANY PRODUCT FOOTPRINT ANALYSIS

TABLE 193 COMPANY PRODUCT FOOTPRINT

TABLE 194 COMPANY APPLICATION FOOTPRINT

TABLE 195 COMPANY INDUSTRY FOOTPRINT

TABLE 196 COMPANY REGION FOOTPRINT

13.7 COMPANY EVALUATION QUADRANT

13.7.1 STAR

13.7.2 EMERGING LEADER

13.7.3 PERVASIVE

13.7.4 PARTICIPANT

FIGURE 40 AIR-TO-AIR REFUELING MARKET COMPETITIVE LEADERSHIP MAPPING, 2019

13.8 COMPETITIVE SCENARIO

13.8.1 MERGERS & ACQUISITIONS

TABLE 197 MERGERS & ACQUISITIONS, 2018–2021

13.8.2 NEW PRODUCT DEVELOPMENTS

TABLE 198 NEW PRODUCT LAUNCHES, 2017–2020

13.8.3 CONTRACTS, PARTNERSHIPS, & AGREEMENTS

TABLE 199 CONTRACTS, PARTNERSHIPS, & AGREEMENTS, 2018–2020

14 COMPANY PROFILES

(Business Overview, Products & solutions 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 COBHAM PLC

TABLE 200 COBHAM PLC: BUSINESS OVERVIEW

FIGURE 41 COBHAM PLC: COMPANY SNAPSHOT

14.2.2 EATON CORPORATION

TABLE 201 EATON CORPORATION: BUSINESS OVERVIEW

FIGURE 42 EATON CORPORATION: COMPANY SNAPSHOT

14.2.3 AIRBUS

TABLE 202 AIRBUS: BUSINESS OVERVIEW

FIGURE 43 AIRBUS: COMPANY SNAPSHOT

14.2.4 BOEING

TABLE 203 BOEING: BUSINESS OVERVIEW

FIGURE 44 BOEING: COMPANY SNAPSHOT**14.2.5 GE AVIATION****TABLE 204 GE AVIATION: BUSINESS OVERVIEW****14.3 OTHER PLAYERS****14.3.1 PARKER HANNIFIN CORPORATION****TABLE 205 PARKER HANNIFIN CORPORATION: BUSINESS OVERVIEW****FIGURE 45 PARKER HANNIFIN CORPORATION: COMPANY SNAPSHOT****14.3.2 SAFRAN****TABLE 206 SAFRAN: BUSINESS OVERVIEW****FIGURE 46 SAFRAN: COMPANY SNAPSHOT****14.3.3 MARSHALL AEROSPACE AND DEFENCE GROUP****TABLE 207 MARSHALL AEROSPACE AND DEFENCE GROUP: BUSINESS OVERVIEW****14.3.4 ISRAEL AEROSPACE INDUSTRIES****TABLE 208 ISRAEL AEROSPACE INDUSTRIES: BUSINESS OVERVIEW****FIGURE 47 ISRAEL AEROSPACE INDUSTRIES: COMPANY SNAPSHOT****14.3.5 BAE SYSTEMS****TABLE 209 BAE SYSTEMS: BUSINESS OVERVIEW****FIGURE 48 BAE SYSTEMS: COMPANY SNAPSHOT****14.3.6 DRAKEN INTERNATIONAL****TABLE 210 DRAKEN INTERNATIONAL: BUSINESS OVERVIEW****14.3.7 LOCKHEED MARTIN CORPORATION****TABLE 211 LOCKHEED MARTIN CORPORATION: BUSINESS OVERVIEW****FIGURE 49 LOCKHEED MARTIN CORPORATION: COMPANY SNAPSHOT****14.3.8 RAYTHEON TECHNOLOGIES CORPORATION****TABLE 212 RAYTHEON TECHNOLOGIES CORPORATION: BUSINESS OVERVIEW****FIGURE 50 RAYTHEON TECHNOLOGIES CORPORATION: COMPANY SNAPSHOT****14.3.9 RAFAUT GROUP****TABLE 213 RAFAUT GROUP: BUSINESS OVERVIEW****14.3.10 ELBIT SYSTEMS LTD.****TABLE 214 ELBIT SYSTEMS: BUSINESS OVERVIEW****FIGURE 51 ELBIT SYSTEMS LTD.: COMPANY SNAPSHOT****14.3.11 MOOG****TABLE 215 MOOG: BUSINESS OVERVIEW****FIGURE 52 MOOG: COMPANY SNAPSHOT****14.3.12 PROTANKGRUP****TABLE 216 PROTANKGRUP: BUSINESS OVERVIEW****14.3.13 ESCO TECHNOLOGIES****TABLE 217 ESCO TECHNOLOGIES: BUSINESS OVERVIEW**

FIGURE 53 ESCO TECHNOLOGIES COMPANY SNAPSHOT**14.3.14 NORTHSTAR****TABLE 218 NORTHSTAR: BUSINESS OVERVIEW****14.3.15 WITTENSTEIN SE****TABLE 219 WITTENSTEIN SE: COMPANY OVERVIEW**

*Details on Business Overview, Products & solutions 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 KNOWLEDGE STORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL****15.3 RELATED REPORTS****15.4 AUTHOR DETAILS**

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