

Public Safety Drone Market by Type, Mode of operation, Platform, Application (Police Operations & Investigations, Firefighting & Disaster Management, Border Management, Traffic Monitoring, Maritime security, Delivery) and Region - Forecast to 2028

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Report description:

The public safety drone market is projected to grow from USD 1.1 billion in 2023 to USD 2.0 billion by 2028, at a CAGR of 13.0% from 2023 to 2028. An unmanned aerial vehicle (UAV) is an airplane that operates autonomously or is remotely piloted. UAVs are also termed drones. Public safety drones can operate autonomously or remotely operated. However, most of these drones are controlled remotely by human operators. Equipped with various payloads such as sensors, these drones are connected to ground control stations. Public safety drones find applications in tasks such as inspection, surveillance, aerial photography for film and journalism, search and rescue missions, cross-border surveillance, strategic planning, mapping inaccessible areas, and weather forecasting. The global demand for drones has witnessed significant growth in recent years, with individuals, commercial entities, military organizations, and government agencies utilizing them for diverse purposes. Rising demand for public safety drones, with their use in the effective mapping of dangerous terrains and quick data gathering, is expected to fuel the growth of the market for public safety drones in the coming years.

Based on the type, the Fixed wing segment is to grow at a higher CAGR during the forecast period.

Based on type, the public safety drone market has been classified into fixed-wing, rotary-wing, and hybrid-wing. The fixed-wing segment is to grow at a higher CAGR during the forecast period. Fixed-wing public safety drones cover larger regions and can stay in the air for longer periods of time, making them especially useful in search and rescue missions, disaster assessment, and surveillance activities. Fixed-wing drones perform better in harsh weather situations than most multi-rotor drones. Their ability to fly at greater altitudes and steadiness in severe winds make them ideal for missions in tough terrain, coastal areas, or remote

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locales. Fixed-wing drones have a greater cargo capacity than multi-rotor drones.

Based on the mode of operation, the fully autonomous segment is to grow at the highest CAGR during the forecast period. Based on the mode of operation segment, the public safety drone market has been classified into semi-autonomous and fully autonomous. The fully autonomous segment is to grow at the highest CAGR during the forecast period. This is due to fully autonomous drones offering enhanced automation, reduced operator workload, improved reliability, scalability, and the ability to operate continuously. They can execute pre-programmed flight paths and tasks without human intervention, making them suitable for large-scale and uninterrupted operations.

"North America is expected to hold the highest market share."

North America is projected to lead the public safety drone market in 2023. The US is the largest market for public safety drone market in North America. North America is a politically stable region owing to the stable governments of countries in the region. The US and Canada have good business relations and are home to some key players operating in the public safety drone market. The stability and public safety regulations in North America attract a number of tourists and businesses. North America has been at the forefront of the technological revolution taking place globally. Canada and the US are pioneers in science and technology. Drones have been used for a long time in defense and commercial sectors worldwide. Since the beginning, the region has been a leader in technological advancements. Though North America faced competition from some other developed and developing regions, it continues to retain its supremacy in the technological field.

The break-up of the profile of primary participants in the Public Safety Drone market:

-□By Company Type: Tier 1 - 32%, Tier 2 - 40%, and Tier 3 - 28%

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

-□By Region: North America - 40%, Europe - 21%, Asia Pacific - 29%, Middle East & Africa -5%, Latin America-5%

The major players in the Public Safety Drone market mainly resorted to contracts to drive their growth. They also entered new markets by launching technologically advanced and cost-effective products. DJI (China), Autel Robotics (China), Skydio Inc (US), Parrot Drone SAS (France), and Teledyne FLIR LLC (US) are some of the leading players in the market who adopted this strategy. An increase in the demand for advanced Public Safety Drone products and the growth of emerging markets have encouraged companies to adopt this strategy to enter new regions.

Research Coverage:

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

Reasons to buy this report:

The report will help the market leaders/new entrants in this market with information on the closest approximations of the revenue numbers for the overall Public Safety Drone market and the subsegments. This report will help stakeholders understand the competitive landscape and gain more insights to position their businesses better and 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:

-□Analysis of key drivers and there are several factors that could contribute to an increase in the Public Safety Drone market.

-□Market Penetration: Comprehensive information on Public Safety Drone systems offered by the top players in the market

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- **Product Development/Innovation:** Detailed insights on upcoming technologies, research & development activities, and new product & service launches in the Public Safety Drone market
- **Market Development:** Comprehensive information about lucrative markets - the report analyzes the Public Safety Drone market across varied regions
- **Market Diversification:** Exhaustive information about new products & services, untapped geographies, recent developments, and investments in the Public Safety Drone market
- **Competitive Assessment:** In-depth assessment of market shares, growth strategies, and service offerings of leading players in the Public Safety Drone market

Table of Contents:

| | | |
|----------|--|----|
| 1 | INTRODUCTION | 31 |
| 1.1 | STUDY OBJECTIVES | 31 |
| 1.2 | MARKET DEFINITION | 31 |
| 1.3 | MARKET SCOPE | 32 |
| 1.3.1 | MARKETS COVERED | 32 |
| FIGURE 1 | PUBLIC SAFETY DRONE MARKET SEGMENTATION | 32 |
| 1.3.2 | REGIONAL SCOPE | 32 |
| 1.3.3 | YEARS CONSIDERED | 33 |
| 1.4 | INCLUSIONS AND EXCLUSIONS | 33 |
| TABLE 1 | PUBLIC SAFETY DRONE MARKET: INCLUSIONS AND EXCLUSIONS | 33 |
| 1.5 | CURRENCY CONSIDERED | 33 |
| 1.6 | USD EXCHANGE RATES | 33 |
| 1.7 | LIMITATIONS | 34 |
| 1.8 | MARKET STAKEHOLDERS | 34 |
| 2 | RESEARCH METHODOLOGY | 35 |
| 2.1 | RESEARCH DATA | 35 |
| FIGURE 2 | RESEARCH PROCESS FLOW | 35 |
| FIGURE 3 | RESEARCH DESIGN | 36 |
| 2.1.1 | SECONDARY DATA | 36 |
| 2.1.1.1 | Key data from secondary sources | 37 |
| 2.1.2 | PRIMARY DATA | 37 |
| 2.1.2.1 | Key data from primary sources | 38 |
| 2.1.3 | KEY PRIMARY INSIGHTS | 38 |
| 2.2 | FACTOR ANALYSIS | 39 |
| 2.2.1 | INTRODUCTION | 39 |
| 2.2.2 | DEMAND-SIDE INDICATORS | 39 |
| 2.2.3 | SUPPLY-SIDE INDICATORS | 39 |
| 2.2.4 | RECESSION IMPACT ANALYSIS | 39 |
| 2.3 | RESEARCH APPROACH AND METHODOLOGY | 40 |
| 2.3.1 | BOTTOM-UP APPROACH | 40 |
| 2.3.1.1 | Step-by-step approach | 40 |
| 2.3.1.2 | Regional split of public safety drone market | 41 |
| FIGURE 4 | MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP APPROACH | 41 |

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2.3.2 TOP-DOWN APPROACH 41

FIGURE 5 MARKET SIZE ESTIMATION METHODOLOGY: TOP-DOWN APPROACH 41

2.4 TRIANGULATION AND VALIDATION 42

FIGURE 6 DATA TRIANGULATION 42

?

2.5 RESEARCH ASSUMPTIONS 43

FIGURE 7 ASSUMPTIONS FOR RESEARCH STUDY 43

2.5.1 ASSUMPTIONS USED IN MARKET SIZING AND FORECAST 43

2.6 RISKS 43

3 EXECUTIVE SUMMARY 44

FIGURE 8 HYBRID SEGMENT TO EXHIBIT HIGHEST CAGR FROM 2023 TO 2028 44

FIGURE 9 SMALL DRONE SEGMENT TO ACCOUNT FOR LARGER MARKET SHARE THAN MICRO DRONE SEGMENT FROM 2023 TO 2028 45

FIGURE 10 FULLY AUTONOMOUS SEGMENT TO EXHIBIT HIGHER CAGR THAN SEMI-AUTONOMOUS SEGMENT DURING FORECAST PERIOD 45

FIGURE 11 POLICE OPERATIONS & INVESTIGATIONS SEGMENT TO LEAD MARKET DURING FORECAST PERIOD 46

FIGURE 12 NORTH AMERICA TO ACCOUNT FOR LARGEST MARKET SHARE IN 2023 46

4 PREMIUM INSIGHTS 48

4.1 ATTRACTIVE GROWTH OPPORTUNITIES FOR PLAYERS IN PUBLIC SAFETY DRONE MARKET 48

FIGURE 13 INCREASING USE OF DRONES BY PUBLIC SAFETY AGENCIES TO DRIVE MARKET 48

4.2 PUBLIC SAFETY DRONE MARKET, BY ROTARY-WING TYPE 48

FIGURE 14 QUADCOPTERS TO DOMINATE ROTARY-WING TYPE SEGMENT DURING FORECAST PERIOD 48

4.3 PUBLIC SAFETY DRONE MARKET, BY PLATFORM 49

FIGURE 15 SMALL DRONE SEGMENT TO LEAD MARKET DURING FORECAST PERIOD 49

4.4 PUBLIC SAFETY DRONE MARKET, BY APPLICATION 49

FIGURE 16 POLICE OPERATIONS & INVESTIGATIONS SEGMENT TO LEAD MARKET FROM 2023 TO 2028 49

4.5 PUBLIC SAFETY DRONE MARKET, BY MODE OF OPERATION 50

FIGURE 17 SEMI-AUTONOMOUS SEGMENT TO LEAD MARKET FROM 2023 TO 2028 50

5 MARKET OVERVIEW 51

5.1 INTRODUCTION 51

5.2 MARKET DYNAMICS 52

FIGURE 18 PUBLIC SAFETY DRONE MARKET: DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES 52

5.2.1 DRIVERS 52

5.2.1.1 Rising demand for hybrid drones 52

5.2.1.2 Need for enhanced situational awareness 53

5.2.1.3 Growing use of drones for border management 53

5.2.1.4 Increasing use of public safety drones for marine border patrolling 53

5.2.1.5 Decreasing price of drone components 53

?

5.2.2 RESTRAINTS 54

5.2.2.1 Lack of skilled personnel to operate drones 54

5.2.2.2 Weather conditions and environmental factors 54

5.2.3 OPPORTUNITIES 54

5.2.3.1 Technological advancement in drone payloads 55

5.2.3.2 Simultaneous localization and mapping 55

5.2.3.3 Integration with other technologies 55

5.2.3.4 Partnerships and collaborations 55

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| | | |
|-----------|--|----|
| 5.2.4 | CHALLENGES | 56 |
| 5.2.4.1 | Delivery authentication and cybersecurity concerns | 56 |
| 5.2.4.2 | Beyond visual line of sight operations | 56 |
| 5.3 | PUBLIC SAFETY DRONE MARKET ECOSYSTEM | 56 |
| 5.3.1 | PROMINENT COMPANIES | 56 |
| 5.3.2 | PRIVATE AND SMALL ENTERPRISES | 56 |
| 5.3.3 | STARTUPS | 57 |
| 5.3.4 | END USERS | 57 |
| FIGURE 19 | PUBLIC SAFETY DRONE MARKET ECOSYSTEM MAP | 57 |
| TABLE 2 | PUBLIC SAFETY DRONE MARKET ECOSYSTEM | 57 |
| 5.4 | TRENDS/DISRUPTIONS IMPACTING CUSTOMER BUSINESS | 58 |
| 5.4.1 | REVENUE SHIFT AND NEW REVENUE POCKETS FOR PUBLIC SAFETY DRONE MARKET | 58 |
| FIGURE 20 | REVENUE SHIFT IN PUBLIC SAFETY DRONE MARKET | 59 |
| 5.5 | TECHNOLOGY ANALYSIS | 59 |
| 5.5.1 | AI IN PUBLIC SAFETY DRONES | 59 |
| TABLE 3 | COMPANIES WORKING TOWARD DEVELOPMENT OF DRONES WITH AI SOFTWARE | 60 |
| TABLE 4 | COMPANIES WORKING TOWARD DEVELOPMENT OF DRONE EQUIPMENT WITH AI | 61 |
| 5.5.2 | DRONES WITH LIDAR SYSTEMS | 62 |
| 5.6 | VALUE CHAIN ANALYSIS OF PUBLIC SAFETY DRONE MARKET | 62 |
| FIGURE 21 | VALUE CHAIN ANALYSIS | 62 |
| 5.7 | PORTER'S FIVE FORCES ANALYSIS | 63 |
| TABLE 5 | PUBLIC SAFETY DRONE MARKET: PORTER'S FIVE FORCES ANALYSIS | 63 |
| FIGURE 22 | PUBLIC SAFETY DRONE MARKET: PORTER'S FIVE FORCES ANALYSIS | 64 |
| 5.7.1 | THREAT OF NEW ENTRANTS | 64 |
| 5.7.2 | THREAT OF SUBSTITUTES | 65 |
| 5.7.3 | BARGAINING POWER OF SUPPLIERS | 65 |
| 5.7.4 | BARGAINING POWER OF BUYERS | 65 |
| 5.7.5 | INTENSITY OF COMPETITIVE RIVALRY | 65 |
| 5.8 | KEY STAKEHOLDERS AND BUYING CRITERIA | 66 |
| 5.8.1 | KEY STAKEHOLDERS IN BUYING PROCESS | 66 |
| FIGURE 23 | INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP 3 TYPES | 66 |
| TABLE 6 | INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP 3 TYPES (%) | 66 |
| 5.8.2 | BUYING CRITERIA | 66 |
| FIGURE 24 | KEY BUYING CRITERIA FOR TOP 3 TYPES | 66 |
| TABLE 7 | KEY BUYING CRITERIA FOR TOP 3 TYPES | 67 |
| 5.9 | KEY CONFERENCES AND EVENTS IN 2023 | 67 |
| TABLE 8 | PUBLIC SAFETY DRONE MARKET: CONFERENCES AND EVENTS, 2023 | 67 |
| 5.10 | TRADE DATA ANALYSIS | 68 |
| TABLE 9 | COUNTRY-WISE IMPORTS FOR DRONES, 2020-2022 (USD THOUSAND) | 68 |
| TABLE 10 | COUNTRY-WISE EXPORTS FOR DRONES, 2020-2022 (USD THOUSAND) | 69 |
| 5.11 | TARIFF AND REGULATORY LANDSCAPE | 70 |
| 5.11.1 | REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS | 70 |
| TABLE 11 | NORTH AMERICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS | 70 |
| TABLE 12 | EUROPE: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS | 70 |
| TABLE 13 | ASIA PACIFIC: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS | 71 |
| TABLE 14 | MIDDLE EAST: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS | 71 |
| TABLE 15 | LATIN AMERICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS | 72 |

| | | |
|-----------|--|----|
| 5.11.2 | NORTH AMERICA | 72 |
| 5.11.2.1 | US | 72 |
| TABLE 16 | US: RULES AND GUIDELINES BY FAA FOR DRONE OPERATIONS | 72 |
| 5.11.2.2 | Canada | 73 |
| TABLE 17 | CANADA: RULES AND GUIDELINES FOR DRONE OPERATIONS | 73 |
| 5.11.3 | EUROPE | 73 |
| 5.11.3.1 | UK | 73 |
| TABLE 18 | UK: RULES AND GUIDELINES BY CAA FOR DRONE OPERATIONS | 73 |
| 5.11.3.2 | Germany | 74 |
| TABLE 19 | GERMANY: RULES AND GUIDELINES FOR DRONE OPERATIONS | 74 |
| 5.11.3.3 | France | 75 |
| TABLE 20 | FRANCE: RULES AND GUIDELINES FOR DRONE OPERATIONS | 75 |
| TABLE 21 | PUBLIC SAFETY DRONE REGULATIONS, BY COUNTRY | 75 |
| 5.12 | VOLUME DATA | 76 |
| FIGURE 25 | PUBLIC SAFETY DRONE MARKET, MARKET VOLUME (UNITS), 2020-2028 | 76 |
| 5.13 | PRICING ANALYSIS | 76 |
| 5.13.1 | AVERAGE SELLING PRICE OF KEY PLAYERS, BY TYPE | 76 |
| FIGURE 26 | AVERAGE SELLING PRICES OF KEY PLAYERS | 76 |
| TABLE 22 | AVERAGE SELLING PRICES OF KEY PLAYERS (USD) | 77 |
| ? | | |
| 6 | INDUSTRY TRENDS | 78 |
| 6.1 | INTRODUCTION | 78 |
| 6.2 | EMERGING TECHNOLOGY TRENDS | 78 |
| 6.2.1 | SYNTHETIC APERTURE RADAR | 78 |
| 6.2.2 | SWARMING TECHNOLOGY | 79 |
| 6.2.3 | NETWORK FUNCTIONS VIRTUALIZATION | 79 |
| 6.2.4 | NEW SCOPE FOR DRONE REST AND RECHARGE | 79 |
| 6.2.5 | SOFTWARE-DEFINED NETWORKING | 80 |
| 6.2.6 | DRONE INSURANCE | 80 |
| TABLE 23 | INSURANCE COVERAGE OFFERED | 81 |
| TABLE 24 | COMPANIES PROVIDING DRONE INSURANCE | 81 |
| 6.3 | USE CASE ANALYSIS | 82 |
| 6.3.1 | ZIPLINE DRONES USED TO DELIVER COVID-19 VACCINES | 82 |
| TABLE 25 | COVID-19 VACCINES DELIVERED TO GHANA BY ZIPLINE | 82 |
| 6.3.2 | TRANSFER OF MEDICAL PRESCRIPTIONS USING DRONES FROM MANNA AERO | 82 |
| TABLE 26 | ESSENTIAL SUPPLIES DELIVERED BY MANNA AERO IN RURAL AREAS | 82 |
| 6.3.3 | DRONE FIELD TESTS IN AMAZON FOREST IN PERU | 83 |
| TABLE 27 | FIELD TESTS USING CARGO DRONES TO DELIVER VACCINES AND BLOOD SAMPLES | 83 |
| 6.3.4 | TEAR GAS BY DRONES | 83 |
| TABLE 28 | EXPERIMENTING WITH DRONES FOR TEAR GAS DROP | 83 |
| 6.4 | CONNECTED USE CASES | 84 |
| 6.4.1 | DRONE TECHNOLOGY FOR RADIOLOGICAL MONITORING | 84 |
| 6.4.2 | DRONE TECHNOLOGY FOR CONSERVATION | 84 |
| TABLE 29 | UAV-RELATED USE CASES IN DIFFERENT GEOGRAPHIES | 84 |
| 6.4.3 | TRAFFIC AND CROWD MONITORING | 85 |
| 6.5 | IMPACT OF MEGATRENDS | 85 |
| 6.6 | PATENT ANALYSIS | 87 |

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TABLE 30 PATENTS RELATED TO MILITARY DRONES GRANTED BETWEEN FEBRUARY 2020 AND DECEMBER 2022 87

7 PUBLIC SAFETY DRONE MARKET, BY TYPE 91

7.1 INTRODUCTION 92

FIGURE 27 HYBRID SEGMENT TO REGISTER HIGHEST CAGR FROM 2023 TO 2028 92

TABLE 31 PUBLIC SAFETY DRONE MARKET, BY TYPE, 2020-2022 (USD MILLION) 92

TABLE 32 PUBLIC SAFETY DRONE MARKET, BY TYPE, 2023-2028 (USD MILLION) 92

7.2 ROTARY-WING 93

7.2.1 INCREASING USE OF ROTARY-WING DRONES IN CLOSE-PROXIMITY OPERATIONS 93

TABLE 33 ROTARY-WING PUBLIC SAFETY DRONE MARKET, BY TYPE, 2020-2022 (USD MILLION) 93

TABLE 34 ROTARY-WING PUBLIC SAFETY DRONE MARKET, BY TYPE, 2023-2028 (USD MILLION) 93

7.2.1.1 Single rotors 94

7.2.1.2 Bi-copters 94

7.2.1.3 Tri-copters 94

7.2.1.4 Quadcopters 94

7.2.1.5 Hexacopters 94

7.2.1.6 Octocopters 94

7.3 FIXED-WING 94

7.3.1 EXTENDED FLIGHT ENDURANCE, LONG-DISTANCE OPERATION, AND WIDE AREA COVERAGE CAPABILITIES TO DRIVE DEMAND FOR FIXED-WING DRONES 94

7.4 HYBRID 95

7.4.1 GROWING DEMAND FOR EXTENDED FLIGHT RANGE TO BOOST DEMAND FOR HYBRID DRONES 95

8 PUBLIC SAFETY DRONE MARKET, BY PLATFORM 96

8.1 INTRODUCTION 97

FIGURE 28 SMALL SEGMENT TO ACCOUNT FOR LARGER MARKET SIZE THAN MICRO SEGMENT FROM 2023 TO 2028 97

TABLE 35 PUBLIC SAFETY DRONE MARKET, BY PLATFORM, 2020-2022 (USD MILLION) 97

TABLE 36 PUBLIC SAFETY DRONE MARKET, BY PLATFORM, 2023-2028 (USD MILLION) 97

8.2 MICRO (250 GM-2 KG) 98

8.2.1 INCREASING DEMAND FOR EASILY MANEUVERABLE COMPACT DRONES 98

8.3 SMALL (2 KG-25 KG) 98

8.3.1 QUICK DEPLOYMENT FOR IMMEDIATE SURVEILLANCE NEEDS 98

9 PUBLIC SAFETY DRONE MARKET, BY MODE OF OPERATION 99

9.1 INTRODUCTION 100

FIGURE 29 FULLY AUTONOMOUS SEGMENT TO RECORD HIGHER GROWTH RATE THAN SEMI-AUTONOMOUS SEGMENT DURING FORECAST PERIOD 100

TABLE 37 PUBLIC SAFETY DRONE MARKET, BY MODE OF OPERATION, 2020-2022 (USD MILLION) 100

TABLE 38 PUBLIC SAFETY DRONE MARKET, BY MODE OF OPERATION, 2023-2028 (USD MILLION) 100

9.2 SEMI-AUTONOMOUS 101

9.2.1 INCREASED ADOPTION OF PUBLIC SAFETY DRONES TO DRIVE DEMAND 101

9.3 FULLY AUTONOMOUS 101

9.3.1 INCREASED DEMAND FOR MISSION EFFICIENCY AND PRECISION TO DRIVE SEGMENT 101

?

10 PUBLIC SAFETY DRONE MARKET, BY APPLICATION 103

10.1 INTRODUCTION 104

FIGURE 30 POLICE OPERATIONS & INVESTIGATIONS SEGMENT TO LEAD MARKET FROM 2023 TO 2028 104

TABLE 39 PUBLIC SAFETY DRONE MARKET, BY APPLICATION, 2020-2022 (USD MILLION) 104

TABLE 40 PUBLIC SAFETY DRONE MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 105

10.2 POLICE OPERATIONS & INVESTIGATIONS 105

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| | | |
|----------|---|-----|
| 10.2.1 | EMERGENCE OF PUBLIC SAFETY DRONES AS COST-EFFECTIVE SOLUTIONS TO IDENTIFY SUSPECTS | 105 |
| 10.2.1.1 | Crime scene-photography | 105 |
| 10.2.1.2 | Investigating armed and dangerous suspects | 105 |
| 10.2.1.3 | Bombs and materials observation | 106 |
| 10.2.1.4 | Fugitive apprehension | 106 |
| 10.2.1.5 | Crowd monitoring | 106 |
| 10.2.1.6 | Surveillance | 106 |
| 10.2.1.7 | Search and rescue | 106 |
| 10.3 | FIREFIGHTING & DISASTER MANAGEMENT | 106 |
| 10.3.1 | EMPOWERING FIREFIGHTING AND DISASTER MANAGEMENT EFFORTS THROUGH PUBLIC SAFETY DRONES | 106 |
| 10.4 | BORDER MANAGEMENT | 107 |
| 10.4.1 | ENHANCING BORDER SECURITY AND PUBLIC SAFETY THROUGH DRONE TECHNOLOGY | 107 |
| 10.5 | TRAFFIC MONITORING | 107 |
| 10.5.1 | IMPROVING TRAFFIC MONITORING AND SAFETY THROUGH PUBLIC SAFETY DRONES | 107 |
| 10.6 | MARITIME SECURITY | 107 |
| 10.6.1 | STRENGTHENING MARITIME SECURITY THROUGH PUBLIC SAFETY DRONES | 107 |
| 10.7 | DELIVERY | 108 |
| 10.7.1 | INCREASED USAGE OF DRONES FOR MEDICAL AND EMERGENCY RESPONSE | 108 |
| 11 | PUBLIC SAFETY DRONE MARKET, BY REGION | 109 |
| 11.1 | INTRODUCTION | 110 |
| | FIGURE 31 NORTH AMERICA TO ACCOUNT FOR LARGEST MARKET SHARE IN 2023 | 110 |
| | TABLE 41 PUBLIC SAFETY DRONE MARKET, BY REGION, 2020-2022 (USD MILLION) | 111 |
| | TABLE 42 PUBLIC SAFETY DRONE MARKET, BY REGION, 2023-2028 (USD MILLION) | 111 |
| 11.2 | NORTH AMERICA | 111 |
| 11.2.1 | INTRODUCTION | 111 |
| 11.2.2 | RECESSION IMPACT ANALYSIS: NORTH AMERICA | 112 |
| 11.2.3 | PESTLE ANALYSIS: NORTH AMERICA | 112 |
| | FIGURE 32 NORTH AMERICA: PUBLIC SAFETY DRONE MARKET SNAPSHOT | 114 |
| | TABLE 43 NORTH AMERICA: PUBLIC SAFETY DRONE MARKET, BY TYPE, 2020-2022 (USD MILLION) | 114 |
| | TABLE 44 NORTH AMERICA: PUBLIC SAFETY DRONE MARKET, BY TYPE, 2023-2028 (USD MILLION) | 115 |
| | TABLE 45 NORTH AMERICA: PUBLIC SAFETY DRONE MARKET, BY APPLICATION 2020-2022 (USD MILLION) | 115 |
| | TABLE 46 NORTH AMERICA: PUBLIC SAFETY DRONE MARKET, BY APPLICATION, 2023-2028 (USD MILLION) | 115 |
| | TABLE 47 NORTH AMERICA: PUBLIC SAFETY DRONE MARKET, BY COUNTRY, 2020-2022 (USD MILLION) | 116 |
| | TABLE 48 NORTH AMERICA: PUBLIC SAFETY DRONE MARKET, BY COUNTRY, 2023-2028 (USD MILLION) | 116 |
| 11.2.4 | US | 116 |
| 11.2.4.1 | Focus on development of UAVs for US Army to drive market | 116 |
| | TABLE 49 US: PUBLIC SAFETY DRONE MARKET, BY TYPE, 2020-2022 (USD MILLION) | 117 |
| | TABLE 50 US: PUBLIC SAFETY DRONE MARKET, BY TYPE, 2023-2028 (USD MILLION) | 117 |
| | TABLE 51 US: PUBLIC SAFETY DRONE MARKET, BY APPLICATION 2020-2022 (USD MILLION) | 117 |
| | TABLE 52 US: PUBLIC SAFETY DRONE MARKET, BY APPLICATION, 2023-2028 (USD MILLION) | 118 |
| 11.2.5 | CANADA | 118 |
| 11.2.5.1 | Increasing use of drones for public safety to drive market | 118 |
| | TABLE 53 CANADA: PUBLIC SAFETY DRONE MARKET, BY TYPE, 2020-2022 (USD MILLION) | 119 |
| | TABLE 54 CANADA: PUBLIC SAFETY DRONE MARKET, BY TYPE, 2023-2028 (USD MILLION) | 119 |
| | TABLE 55 CANADA: PUBLIC SAFETY DRONE MARKET, BY APPLICATION 2020-2022 (USD MILLION) | 119 |
| | TABLE 56 CANADA: PUBLIC SAFETY DRONE MARKET, BY APPLICATION, 2023-2028 (USD MILLION) | 120 |
| 11.3 | EUROPE | 120 |

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| | | |
|-----------|---|-----|
| 11.3.1 | INTRODUCTION | 120 |
| 11.3.2 | RECESSION IMPACT ANALYSIS: EUROPE | 120 |
| 11.3.3 | PESTLE ANALYSIS: EUROPE | 121 |
| FIGURE 33 | EUROPE: PUBLIC SAFETY DRONE MARKET SNAPSHOT | 123 |
| TABLE 57 | EUROPE: PUBLIC SAFETY DRONE MARKET, BY COUNTRY, 2020-2022 (USD MILLION) | 124 |
| TABLE 58 | EUROPE: PUBLIC SAFETY DRONE MARKET, BY COUNTRY, 2023-2028 (USD MILLION) | 124 |
| TABLE 59 | EUROPE: PUBLIC SAFETY DRONE MARKET, BY TYPE, 2020-2022 (USD MILLION) | 124 |
| TABLE 60 | EUROPE: PUBLIC SAFETY DRONE MARKET, BY TYPE, 2023-2028 (USD MILLION) | 125 |
| TABLE 61 | EUROPE: PUBLIC SAFETY DRONE MARKET, BY APPLICATION 2020-2022 (USD MILLION) | 125 |
| TABLE 62 | EUROPE: PUBLIC SAFETY DRONE MARKET, BY APPLICATION, 2023-2028 (USD MILLION) | 125 |
| ? | | |
| 11.3.4 | UK | 126 |
| 11.3.4.1 | Presence of key players to drive market | 126 |
| TABLE 63 | UK: PUBLIC SAFETY DRONE MARKET, BY TYPE, 2020-2022 (USD MILLION) | 126 |
| TABLE 64 | UK: PUBLIC SAFETY DRONE MARKET, BY TYPE, 2023-2028 (USD MILLION) | 127 |
| TABLE 65 | UK: PUBLIC SAFETY DRONE MARKET, BY APPLICATION 2020-2022 (USD MILLION) | 127 |
| TABLE 66 | UK: PUBLIC SAFETY DRONE MARKET, BY APPLICATION, 2023-2028 (USD MILLION) | 127 |
| 11.3.5 | GERMANY | 128 |
| 11.3.5.1 | Increased adoption of drones for safety to drive market | 128 |
| TABLE 67 | GERMANY: PUBLIC SAFETY DRONE MARKET, BY TYPE, 2020-2022 (USD MILLION) | 128 |
| TABLE 68 | GERMANY: PUBLIC SAFETY DRONE MARKET, BY TYPE, 2023-2028 (USD MILLION) | 128 |
| TABLE 69 | GERMANY: PUBLIC SAFETY DRONE MARKET, BY APPLICATION 2020-2022 (USD MILLION) | 129 |
| TABLE 70 | GERMANY: PUBLIC SAFETY DRONE MARKET, BY APPLICATION, 2023-2028 (USD MILLION) | 129 |
| 11.3.6 | FRANCE | 129 |
| 11.3.6.1 | Government initiatives supporting UAVs to boost market | 129 |
| TABLE 71 | FRANCE: PUBLIC SAFETY DRONE MARKET, BY TYPE, 2020-2022 (USD MILLION) | 130 |
| TABLE 72 | FRANCE: PUBLIC SAFETY DRONE MARKET, BY TYPE, 2023-2028 (USD MILLION) | 130 |
| TABLE 73 | FRANCE: PUBLIC SAFETY DRONE MARKET, BY APPLICATION 2020-2022 (USD MILLION) | 130 |
| TABLE 74 | FRANCE: PUBLIC SAFETY DRONE MARKET, BY APPLICATION, 2023-2028 (USD MILLION) | 131 |
| 11.3.7 | ITALY | 131 |
| 11.3.7.1 | Growing demand for drones for public safety to drive market | 131 |
| TABLE 75 | ITALY: PUBLIC SAFETY DRONE MARKET, BY TYPE, 2020-2022 (USD MILLION) | 131 |
| TABLE 76 | ITALY PUBLIC SAFETY DRONE MARKET, BY TYPE, 2023-2028 (USD MILLION) | 132 |
| TABLE 77 | ITALY: PUBLIC SAFETY DRONE MARKET, BY APPLICATION 2020-2022 (USD MILLION) | 132 |
| TABLE 78 | ITALY: PUBLIC SAFETY DRONE MARKET, BY APPLICATION, 2023-2028 (USD MILLION) | 132 |
| 11.3.8 | RUSSIA | 133 |
| 11.3.8.1 | Investments in research & development to elevate public safety and security | 133 |
| TABLE 79 | RUSSIA: PUBLIC SAFETY DRONE MARKET, BY TYPE, 2020-2022 (USD MILLION) | 133 |
| TABLE 80 | RUSSIA: PUBLIC SAFETY DRONE MARKET, BY TYPE, 2023-2028 (USD MILLION) | 133 |
| TABLE 81 | RUSSIA: PUBLIC SAFETY DRONE MARKET, BY APPLICATION 2020-2022 (USD MILLION) | 134 |
| TABLE 82 | RUSSIA: PUBLIC SAFETY DRONE MARKET, BY APPLICATION, 2023-2028 (USD MILLION) | 134 |
| 11.3.9 | REST OF EUROPE | 134 |
| TABLE 83 | REST OF EUROPE: PUBLIC SAFETY DRONE MARKET, BY TYPE, 2020-2022 (USD MILLION) | 135 |
| TABLE 84 | REST OF EUROPE: PUBLIC SAFETY DRONE MARKET, BY TYPE, 2023-2028 (USD MILLION) | 135 |
| TABLE 85 | REST OF EUROPE: PUBLIC SAFETY DRONE MARKET, BY APPLICATION 2020-2022 (USD MILLION) | 135 |
| TABLE 86 | REST OF EUROPE: PUBLIC SAFETY DRONE MARKET, BY APPLICATION, 2023-2028 (USD MILLION) | 136 |
| 11.4 | ASIA PACIFIC | 136 |

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11.4.1 INTRODUCTION 136

11.4.2 RECESSION IMPACT ANALYSIS: ASIA PACIFIC 136

11.4.3 PESTLE ANALYSIS: ASIA PACIFIC 137

FIGURE 34 ASIA PACIFIC: PUBLIC SAFETY DRONE MARKET SNAPSHOT 139

TABLE 87 ASIA PACIFIC: PUBLIC SAFETY DRONE MARKET, BY COUNTRY, 2020-2022 (USD MILLION) 139

TABLE 88 ASIA PACIFIC: PUBLIC SAFETY DRONE MARKET, BY COUNTRY, 2023-2028 (USD MILLION) 140

TABLE 89 ASIA PACIFIC: PUBLIC SAFETY DRONE MARKET, BY TYPE, 2020-2022 (USD MILLION) 140

TABLE 90 ASIA PACIFIC: PUBLIC SAFETY DRONE MARKET, BY TYPE, 2023-2028 (USD MILLION) 140

TABLE 91 ASIA PACIFIC: PUBLIC SAFETY DRONE MARKET, BY APPLICATION 2020-2022 (USD MILLION) 141

TABLE 92 ASIA PACIFIC: PUBLIC SAFETY DRONE MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 141

11.4.4 CHINA 141

11.4.4.1 Increased innovations in drone technology to contribute to market growth 141

TABLE 93 CHINA: PUBLIC SAFETY DRONE MARKET, BY TYPE, 2020-2022 (USD MILLION) 142

TABLE 94 CHINA: PUBLIC SAFETY DRONE MARKET, BY TYPE, 2023-2028 (USD MILLION) 142

TABLE 95 CHINA: PUBLIC SAFETY DRONE MARKET, BY APPLICATION 2020-2022 (USD MILLION) 142

TABLE 96 CHINA: PUBLIC SAFETY DRONE MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 143

11.4.5 INDIA 143

11.4.5.1 Government initiatives to promote use of drones for public safety to lead to market growth 143

TABLE 97 INDIA: PUBLIC SAFETY DRONE MARKET, BY TYPE, 2020-2022 (USD MILLION) 143

TABLE 98 INDIA: PUBLIC SAFETY DRONE MARKET, BY TYPE, 2023-2028 (USD MILLION) 144

TABLE 99 INDIA: PUBLIC SAFETY DRONE MARKET, BY APPLICATION 2020-2022 (USD MILLION) 144

TABLE 100 INDIA: PUBLIC SAFETY DRONE MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 144

?

11.4.6 JAPAN 145

11.4.6.1 Growing need for traffic monitoring to boost market 145

TABLE 101 JAPAN: PUBLIC SAFETY DRONE MARKET, BY TYPE, 2020-2022 (USD MILLION) 145

TABLE 102 JAPAN: PUBLIC SAFETY DRONE MARKET, BY TYPE, 2023-2028 (USD MILLION) 145

TABLE 103 JAPAN: PUBLIC SAFETY DRONE MARKET, BY APPLICATION 2020-2022 (USD MILLION) 146

TABLE 104 JAPAN: PUBLIC SAFETY DRONE MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 146

11.4.7 AUSTRALIA 146

11.4.7.1 Increasing use of drones for surveillance to drive market 146

TABLE 105 AUSTRALIA: PUBLIC SAFETY DRONE MARKET, BY TYPE, 2020-2022 (USD MILLION) 147

TABLE 106 AUSTRALIA: PUBLIC SAFETY DRONE MARKET, BY TYPE, 2023-2028 (USD MILLION) 147

TABLE 107 AUSTRALIA: PUBLIC SAFETY DRONE MARKET, BY APPLICATION 2020-2022 (USD MILLION) 147

TABLE 108 AUSTRALIA: PUBLIC SAFETY DRONE MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 148

11.4.8 SOUTH KOREA 148

11.4.8.1 Innovations in drone technology to lead to market growth 148

TABLE 109 SOUTH KOREA: PUBLIC SAFETY DRONE MARKET, BY TYPE, 2020-2022 (USD MILLION) 148

TABLE 110 SOUTH KOREA: PUBLIC SAFETY DRONE MARKET, BY TYPE, 2023-2028 (USD MILLION) 149

TABLE 111 SOUTH KOREA: PUBLIC SAFETY DRONE MARKET, BY APPLICATION 2020-2022 (USD MILLION) 149

TABLE 112 SOUTH KOREA: PUBLIC SAFETY DRONE MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 149

11.5 MIDDLE EAST & AFRICA 150

11.5.1 INTRODUCTION 150

11.5.2 RECESSION IMPACT ANALYSIS: MIDDLE EAST & AFRICA 150

FIGURE 35 MIDDLE EAST & AFRICA: PUBLIC SAFETY DRONE MARKET SNAPSHOT 151

TABLE 113 MIDDLE EAST & AFRICA: PUBLIC SAFETY DRONE MARKET, BY COUNTRY, 2020-2022 (USD MILLION) 152

TABLE 114 MIDDLE EAST & AFRICA: PUBLIC SAFETY DRONE MARKET, BY COUNTRY, 2023-2028 (USD MILLION) 152

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| | | |
|-----------|---|-----|
| TABLE 115 | MIDDLE EAST & AFRICA: PUBLIC SAFETY DRONE MARKET, BY TYPE, 2020-2022 (USD MILLION) | 152 |
| TABLE 116 | MIDDLE EAST & AFRICA: PUBLIC SAFETY DRONE MARKET, BY TYPE, 2023-2028 (USD MILLION) | 153 |
| TABLE 117 | MIDDLE EAST & AFRICA: PUBLIC SAFETY DRONE MARKET, BY APPLICATION 2020-2022 (USD MILLION) | 153 |
| TABLE 118 | MIDDLE EAST & AFRICA: PUBLIC SAFETY DRONE MARKET, BY APPLICATION, 2023-2028 (USD MILLION) | 153 |
| ? | | |
| 11.5.3 | ISRAEL | 154 |
| 11.5.3.1 | Government investments in building drone networks to boost market | 154 |
| TABLE 119 | ISRAEL: PUBLIC SAFETY DRONE MARKET, BY TYPE, 2020-2022 (USD MILLION) | 154 |
| TABLE 120 | ISRAEL: PUBLIC SAFETY DRONE MARKET, BY TYPE, 2023-2028 (USD MILLION) | 154 |
| TABLE 121 | ISRAEL: PUBLIC SAFETY DRONE MARKET, BY APPLICATION 2020-2022 (USD MILLION) | 155 |
| TABLE 122 | ISRAEL: PUBLIC SAFETY DRONE MARKET, BY APPLICATION, 2023-2028 (USD MILLION) | 155 |
| 11.5.4 | TURKEY | 155 |
| 11.5.4.1 | Garuda Aerospace drones to be used for relief operations | 155 |
| TABLE 123 | TURKEY: PUBLIC SAFETY DRONE MARKET, BY TYPE, 2020-2022 (USD MILLION) | 156 |
| TABLE 124 | TURKEY: PUBLIC SAFETY DRONE MARKET, BY TYPE, 2023-2028 (USD MILLION) | 156 |
| TABLE 125 | TURKEY: PUBLIC SAFETY DRONE MARKET, BY APPLICATION 2020-2022 (USD MILLION) | 156 |
| TABLE 126 | TURKEY: PUBLIC SAFETY DRONE MARKET, BY APPLICATION, 2023-2028 (USD MILLION) | 157 |
| 11.5.5 | UAE | 157 |
| TABLE 127 | UAE: PUBLIC SAFETY DRONE MARKET, BY TYPE, 2020-2022 (USD MILLION) | 157 |
| TABLE 128 | UAE: PUBLIC SAFETY DRONE MARKET, BY TYPE, 2023-2028 (USD MILLION) | 158 |
| TABLE 129 | UAE: PUBLIC SAFETY DRONE MARKET, BY APPLICATION 2020-2022 (USD MILLION) | 158 |
| TABLE 130 | UAE: PUBLIC SAFETY DRONE MARKET, BY APPLICATION, 2023-2028 (USD MILLION) | 158 |
| 11.5.6 | SAUDI ARABIA | 159 |
| 11.5.6.1 | Public-private partnerships to boost market | 159 |
| TABLE 131 | SAUDI ARABIA: PUBLIC SAFETY DRONE MARKET, BY TYPE, 2020-2022 (USD MILLION) | 159 |
| TABLE 132 | SAUDI ARABIA: PUBLIC SAFETY DRONE MARKET, BY TYPE, 2023-2028 (USD MILLION) | 159 |
| TABLE 133 | SAUDI ARABIA: PUBLIC SAFETY DRONE MARKET, BY APPLICATION 2020-2022 (USD MILLION) | 160 |
| TABLE 134 | SAUDI ARABIA: PUBLIC SAFETY DRONE MARKET, BY APPLICATION, 2023-2028 (USD MILLION) | 160 |
| 11.5.7 | SOUTH AFRICA | 160 |
| 11.5.7.1 | Increased government focus on drone-based public safety initiatives to fuel market | 160 |
| TABLE 135 | SOUTH ARICA: PUBLIC SAFETY DRONE MARKET, BY TYPE, 2020-2022 (USD MILLION) | 161 |
| TABLE 136 | SOUTH ARICA: PUBLIC SAFETY DRONE MARKET, BY TYPE, 2023-2028 (USD MILLION) | 161 |
| TABLE 137 | SOUTH ARICA: PUBLIC SAFETY DRONE MARKET, BY APPLICATION 2020-2022 (USD MILLION) | 161 |
| TABLE 138 | SOUTH ARICA: PUBLIC SAFETY DRONE MARKET, BY APPLICATION, 2023-2028 (USD MILLION) | 162 |
| 11.6 | LATIN AMERICA | 162 |
| 11.6.1 | INTRODUCTION | 162 |
| 11.6.2 | RECESSION IMPACT ANALYSIS: LATIN AMERICA | 162 |
| 11.6.3 | PESTLE ANALYSIS: LATIN AMERICA | 162 |
| FIGURE 36 | LATIN AMERICA: PUBLIC SAFETY DRONE MARKET SNAPSHOT | 164 |
| TABLE 139 | LATIN AMERICA: PUBLIC SAFETY DRONE MARKET, BY COUNTRY, 2020-2022 (USD MILLION) | 164 |
| TABLE 140 | LATIN AMERICA: PUBLIC SAFETY DRONE MARKET, BY COUNTRY, 2023-2028 (USD MILLION) | 165 |
| TABLE 141 | LATIN AMERICA: PUBLIC SAFETY DRONE MARKET, BY TYPE, 2020-2022 (USD MILLION) | 165 |
| TABLE 142 | LATIN AMERICA: PUBLIC SAFETY DRONE MARKET, BY TYPE, 2023-2028 (USD MILLION) | 165 |
| TABLE 143 | LATIN AMERICA: PUBLIC SAFETY DRONE MARKET, BY APPLICATION 2020-2022 (USD MILLION) | 165 |
| TABLE 144 | LATIN AMERICA: PUBLIC SAFETY DRONE MARKET, BY APPLICATION, 2023-2028 (USD MILLION) | 166 |
| 11.6.4 | BRAZIL | 166 |
| 11.6.4.1 | Increasing use of drones by government agencies to boost market | 166 |

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| | | |
|-----------|---|-----|
| TABLE 145 | BRAZIL: PUBLIC SAFETY DRONE MARKET, BY TYPE, 2020-2022 (USD MILLION) | 166 |
| TABLE 146 | BRAZIL: PUBLIC SAFETY DRONE MARKET, BY TYPE, 2023-2028 (USD MILLION) | 166 |
| TABLE 147 | BRAZIL: PUBLIC SAFETY DRONE MARKET, BY APPLICATION 2020-2022 (USD MILLION) | 167 |
| TABLE 148 | BRAZIL: PUBLIC SAFETY DRONE MARKET, BY APPLICATION, 2023-2028 (USD MILLION) | 167 |
| 11.6.5 | MEXICO | 167 |
| 11.6.5.1 | Increased use of drones for disaster management and monitoring to drive market | 167 |
| TABLE 149 | MEXICO: PUBLIC SAFETY DRONE MARKET, BY TYPE, 2020-2022 (USD MILLION) | 168 |
| TABLE 150 | MEXICO: PUBLIC SAFETY DRONE MARKET, BY TYPE, 2023-2028 (USD MILLION) | 168 |
| TABLE 151 | MEXICO: PUBLIC SAFETY DRONE MARKET, BY APPLICATION 2020-2022 (USD MILLION) | 168 |
| TABLE 152 | MEXICO: PUBLIC SAFETY DRONE MARKET, BY APPLICATION, 2023-2028 (USD MILLION) | 169 |
| 11.6.6 | ARGENTINA | 169 |
| 11.6.6.1 | Increased adoption of drones by government authorities to drive market | 169 |
| TABLE 153 | ARGENTINA: PUBLIC SAFETY DRONE MARKET, BY TYPE, 2020-2022 (USD MILLION) | 169 |
| ? | | |
| TABLE 154 | ARGENTINA: PUBLIC SAFETY DRONE MARKET, BY TYPE, 2023-2028 (USD MILLION) | 169 |
| TABLE 155 | ARGENTINA: PUBLIC SAFETY DRONE MARKET, BY APPLICATION 2020-2022 (USD MILLION) | 170 |
| TABLE 156 | ARGENTINA: PUBLIC SAFETY DRONE MARKET, BY APPLICATION, 2023-2028 (USD MILLION) | 170 |
| 12 | COMPETITIVE LANDSCAPE | 171 |
| 12.1 | INTRODUCTION | 171 |
| 12.2 | COMPANY OVERVIEW | 171 |
| TABLE 157 | KEY DEVELOPMENTS OF LEADING PLAYERS IN PUBLIC SAFETY DRONE MARKET (2022-2023) | 171 |
| 12.3 | RANKING ANALYSIS OF KEY PLAYERS IN PUBLIC SAFETY DRONE MARKET, 2022 | 172 |
| FIGURE 37 | RANKING OF KEY PLAYERS IN PUBLIC SAFETY DRONE MARKET, 2022 | 172 |
| 12.4 | REVENUE ANALYSIS, 2022 | 173 |
| FIGURE 38 | REVENUE ANALYSIS FOR KEY COMPANIES IN PUBLIC SAFETY DRONE MARKET, 2022 | 173 |
| 12.5 | MARKET SHARE ANALYSIS, 2022 | 173 |
| FIGURE 39 | MARKET SHARE ANALYSIS FOR KEY COMPANIES IN PUBLIC SAFETY DRONE MARKET, 2022 | 173 |
| TABLE 158 | PUBLIC SAFETY DRONE MARKET: DEGREE OF COMPETITION | 174 |
| 12.6 | COMPETITIVE EVALUATION QUADRANT | 175 |
| 12.6.1 | STARS | 175 |
| 12.6.2 | EMERGING LEADERS | 175 |
| 12.6.3 | PERVASIVE PLAYERS | 175 |
| 12.6.4 | PARTICIPANTS | 175 |
| FIGURE 40 | PUBLIC SAFETY DRONE MARKET: COMPANY EVALUATION MATRIX, 2022 | 176 |
| 12.7 | STARTUP/SME EVALUATION QUADRANT | 177 |
| 12.7.1 | PROGRESSIVE COMPANIES | 177 |
| 12.7.2 | RESPONSIVE COMPANIES | 177 |
| 12.7.3 | STARTING BLOCKS | 177 |
| 12.7.4 | DYNAMIC COMPANIES | 177 |
| FIGURE 41 | PUBLIC SAFETY DRONE MARKET (STARTUP/SME): COMPANY EVALUATION QUADRANT, 2022 | 178 |
| 12.8 | COMPETITIVE BENCHMARKING | 179 |
| TABLE 159 | PUBLIC SAFETY DRONE MARKET: DETAILED LIST OF KEY STARTUPS/SMES | 179 |
| 12.9 | COMPETITIVE SCENARIO OF MARKET PLAYERS | 180 |
| TABLE 160 | PUBLIC SAFETY DRONE MARKET: COMPETITIVE SCENARIO OF KEY PLAYERS [MAJOR PLAYERS] | 180 |
| TABLE 161 | PUBLIC SAFETY DRONE MARKET: COMPETITIVE SCENARIO OF KEY PLAYERS [STARTUPS/SMES] | 181 |
| 12.10 | COMPETITIVE SCENARIO | 181 |
| 12.10.1 | MARKET EVALUATION FRAMEWORK | 181 |

| | | |
|-----------|--|-----|
| 12.10.2 | NEW PRODUCT LAUNCHES | 182 |
| TABLE 162 | NEW PRODUCT LAUNCHES, JUNE 2020-MAY 2023 | 182 |
| 12.10.3 | DEALS | 184 |
| TABLE 163 | DEALS, FEBRUARY 2020-MAY 2023 | 184 |
| 12.10.4 | OTHERS | 189 |
| TABLE 164 | OTHERS, OCTOBER 2021-MARCH 2023 | 189 |
| 13 | COMPANY PROFILES | 190 |
| 13.1 | INTRODUCTION | 190 |
| | (Business overview, Products/Solutions/Services offered, Recent Developments, MNM view)* | |
| 13.2 | KEY PLAYERS | 190 |
| 13.2.1 | DJI | 190 |
| TABLE 165 | DJI: BUSINESS OVERVIEW | 191 |
| TABLE 166 | DJI: PRODUCTS/SOLUTIONS/SERVICES OFFERED | 191 |
| TABLE 167 | DJI: NEW PRODUCT LAUNCHES | 192 |
| TABLE 168 | DJI: DEALS | 193 |
| 13.2.2 | PARROT DRONE SAS | 195 |
| TABLE 169 | PARROT DRONE SAS: BUSINESS OVERVIEW | 195 |
| FIGURE 42 | PARROT DRONE SAS: COMPANY SNAPSHOT | 195 |
| TABLE 170 | PARROT DRONE SAS: PRODUCTS/SOLUTIONS/SERVICES OFFERED | 196 |
| TABLE 171 | PARROT DRONE SAS: NEW PRODUCT LAUNCHES | 196 |
| TABLE 172 | PARROT DRONE SAS: DEALS | 196 |
| TABLE 173 | PARROT DRONE SAS: OTHERS | 197 |
| 13.2.3 | TELEDYNE FLIR LLC | 199 |
| TABLE 174 | TELEDYNE FLIR LLC: BUSINESS OVERVIEW | 199 |
| FIGURE 43 | TELEDYNE FLIR LLC: COMPANY SNAPSHOT | 200 |
| TABLE 175 | TELEDYNE FLIR LLC: PRODUCTS/SOLUTIONS/SERVICES OFFERED | 200 |
| TABLE 176 | TELEDYNE FLIR LLC: NEW PRODUCT LAUNCHES | 201 |
| TABLE 177 | TELEDYNE FLIR LLC: DEALS | 201 |
| 13.2.4 | AUTEL ROBOTICS | 203 |
| TABLE 178 | AUTEL ROBOTICS: BUSINESS OVERVIEW | 203 |
| TABLE 179 | AUTEL ROBOTICS: PRODUCTS/SOLUTIONS/SERVICES OFFERED | 203 |
| TABLE 180 | AUTEL ROBOTICS: NEW PRODUCT LAUNCHES | 205 |
| TABLE 181 | AUTEL ROBOTICS: DEALS | 205 |
| TABLE 182 | AUTEL ROBOTICS: OTHERS | 206 |
| 13.2.5 | SKYDIO, INC. | 207 |
| TABLE 183 | SKYDIO, INC.: COMPANY OVERVIEW | 207 |
| TABLE 184 | SKYDIO, INC.: PRODUCTS/SOLUTIONS/SERVICES OFFERED | 207 |
| TABLE 185 | SKYDIO, INC.: NEW PRODUCT LAUNCHES | 208 |
| TABLE 186 | SKYDIO, INC.: DEALS | 208 |
| 13.2.6 | YUNEEC | 210 |
| TABLE 187 | YUNEEC: BUSINESS OVERVIEW | 210 |
| TABLE 188 | YUNEEC: PRODUCTS/SOLUTIONS/SERVICES OFFERED | 210 |
| TABLE 189 | YUNEEC HOLDING LTD.: DEALS | 211 |
| 13.2.7 | DRAGANFLY INC. | 212 |
| TABLE 190 | DRAGANFLY INC.: BUSINESS OVERVIEW | 212 |
| TABLE 191 | DRAGANFLY INC.: PRODUCTS/SOLUTIONS/SERVICES OFFERED | 212 |
| TABLE 192 | DRAGANFLY INC.: DEALS | 213 |

13.2.8 BRINC DRONES, INC. 214

TABLE 193 BRINC DRONES, INC.: COMPANY OVERVIEW 214

TABLE 194 BRINC DRONES, INC.: PRODUCTS/SOLUTIONS/SERVICES OFFERED 214

TABLE 195 BRINC DRONES, INC.: NEW PRODUCT LAUNCHES 214

TABLE 196 BRINC DRONES, INC.: DEALS 215

13.2.9 ONDAS HOLDINGS INC. 216

TABLE 197 ONDAS HOLDINGS INC.: BUSINESS OVERVIEW 216

FIGURE 44 ONDAS HOLDINGS INC.: COMPANY SNAPSHOT 216

TABLE 198 ONDAS HOLDINGS INC.: PRODUCTS/SOLUTIONS/SERVICES OFFERED 217

TABLE 199 ONDAS HOLDINGS INC.: DEALS 217

13.2.10 HARRIS AERIAL, INC. 218

TABLE 200 HARRIS AERIAL, INC. COMPANY OVERVIEW 218

TABLE 201 HARRIS AERIAL, INC.: PRODUCTS/SOLUTIONS/SERVICES OFFERED 218

13.2.11 LOCKHEED MARTIN CORPORATION 219

TABLE 202 LOCKHEED MARTIN CORPORATION: BUSINESS OVERVIEW 219

FIGURE 45 LOCKHEED MARTIN CORPORATION: COMPANY SNAPSHOT 220

TABLE 203 LOCKHEED MARTIN CORPORATION: PRODUCTS/SOLUTIONS/SERVICES OFFERED 220

TABLE 204 LOCKHEED MARTIN CORPORATION: DEALS 221

13.2.12 TEAL DRONES 222

TABLE 205 TEAL DRONES: BUSINESS OVERVIEW 222

TABLE 206 TEAL DRONES: PRODUCTS/SOLUTIONS/SERVICES OFFERED 222

TABLE 207 TEAL DRONES: NEW PRODUCT LAUNCHES 222

TABLE 208 TEAL DRONES: OTHERS 223

13.2.13 DELAIR 224

TABLE 209 DELAIR: BUSINESS OVERVIEW 224

TABLE 210 DELAIR: PRODUCTS/SOLUTIONS/SERVICES OFFERED 224

13.2.14 FLYABILITY 225

TABLE 211 FLYABILITY: COMPANY OVERVIEW 225

TABLE 212 FLYABILITY: PRODUCTS/SOLUTIONS/SERVICES OFFERED 225

TABLE 213 FLYABILITY: NEW PRODUCT LAUNCHES 226

TABLE 214 FLYABILITY: DEALS 226

13.2.15 WINGTRA 227

TABLE 215 WINGTRA: COMPANY OVERVIEW 227

TABLE 216 WINGTRA: PRODUCTS/SOLUTIONS/SERVICES OFFERED 227

TABLE 217 WINGTRA: NEW PRODUCT LAUNCHES 227

TABLE 218 WINGTRA: DEALS 228

*Details on Business overview, Products offered, Recent Developments, MNM view might not be captured in case of unlisted companies.

13.3 OTHER PLAYERS 229

13.3.1 AEE AVIATION TECHNOLOGY INC. 229

TABLE 219 AEE AVIATION TECHNOLOGY INC.: COMPANY OVERVIEW 229

13.3.2 KESPRY 230

TABLE 220 KESPRY: COMPANY OVERVIEW 230

13.3.3 INSITU, INC. 231

TABLE 221 INSITU, INC.: COMPANY OVERVIEW 231

13.3.4 HOVERFLY TECHNOLOGIES 231

TABLE 222 HOVERFLY TECHNOLOGIES: COMPANY OVERVIEW 231

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| | | |
|-----------|--|-----|
| 13.3.5 | MICRODRONES | 232 |
| TABLE 223 | MICRODRONES: COMPANY OVERVIEW | 232 |
| 13.3.6 | ELISTAIR | 233 |
| TABLE 224 | ELISTAIR: COMPANY OVERVIEW | 233 |
| 13.3.7 | ZIPLINE | 233 |
| TABLE 225 | ZIPLINE: COMPANY OVERVIEW | 233 |
| 13.3.8 | VOLOCOPTER GMBH | 234 |
| TABLE 226 | VOLOCOPTER GMBH: COMPANY OVERVIEW | 234 |
| 13.3.9 | AGEAGLE AERIAL SYSTEMS INC. | 235 |
| TABLE 227 | AGEAGLE AERIAL SYSTEMS INC.: COMPANY OVERVIEW | 235 |
| 13.3.10 | AUTERION GS | 236 |
| TABLE 228 | AUTERION GS: COMPANY OVERVIEW | 236 |
| 14 | APPENDIX | 237 |
| 14.1 | DISCUSSION GUIDE | 237 |
| 14.2 | MARKET DEFINITION | 237 |
| 14.3 | MARKET DYNAMICS | 237 |
| 14.4 | KNOWLEDGESTORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL | 240 |
| 14.5 | CUSTOMIZATION OPTIONS | 242 |
| 14.6 | RELATED REPORTS | 242 |
| 14.7 | AUTHOR DETAILS | 243 |

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