

Drone Taxi Market by Range (Intercity, Intracity), Propulsion (Fully Electric, Hybrid, Electric Hydrogen), Autonomy (Fully Autonomous, Remotely Piloted), Passenger Capacity (Up to 2, 3 to 5, More than 5), System, End Use & Region - Global Forecast to 2030

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Abstracts

The Drone Taxi market size is forecasted to grow from an estimated USD 74 million in 2025 to reach USD 860 million by 2030, at a CAGR of 63.0% from 2025 to 2030. The recent technological developments in the drone taxi market hold a promising future whereby cities are expected to adopt next-generation transportation systems using unmanned systems. Cities around the world are facing transportation challenges due to the increasing road traffic which causes major problems for mass transportation. Moreover, growth in disposable income coupled with the reducing cost of automobiles for personal use have led to an increase in the number of automobiles, thereby increasing environmental concerns. Automobiles are among the prime sources of greenhouse gases being emitted into the earth's atmosphere resulting in global warming which is expected to increase the demand for electric drone taxis.

The impact of the COVID-19 pandemic has been unprecedented on a global scale. The consequences have been wide reaching, particularly for aviation. The drone taxi market is still in its formative stages; hence, it relies on a shared flight model to make the economics work.

Pre-COVID-19, the drone taxi industry experienced an impressive growth trajectory. In the first few months of 2020 alone, over USD 1 billion was invested in the sector, with Toyota leading a USD 590 million investment in Joby Aviation (US) and EHang's (China) USD 650 million IPO valuation. In 2019, the Federal Aviation Administration (FAA) in the US announced that it was engaged with manufacturers of more than 15

eVTOL aircraft. Uber Air, EHang, Volocopter, Joby Aviation, and Lilium are among those who have signaled their intent to launch commercial passenger operations within the next three to five years.

Based on Passenger Capacity, DroneTaxis having Passenger Capacity of 3 to 5 is expected to grow at the highest CAGR during the forecast period

Drone taxis with a passenger carrying capacity of 3 to 5 will lead the market as they will be more cost-efficient when it comes to paying for regular commute and can reduce the possibility of air traffic. Also, the segment has promising investments and developments by companies like Lilium (Germany), Uber Elevate (US), and Ehang (China).

Based on the Range, the Intracity segment to account for the largest share of Drone Taxi during the forecast period

Intracity transportation will lead the market, as the service will be helpful for on-demand air transportation within core urban areas and residential suburban destinations outside cities or around city centers. Manufacturers like Volocopter (Germany), Airbus (US), KittyHawk (US), Lift (US), Ehang (China), and Boeing (US), among others, are heavily investing in the development of next-generation intracity transportation.

“Europe is forecasted to account for the largest share of Drone Taxi market in 2025.”

Europe is expected to account for the largest share (46%) of the drone taxi market in 2025. In this region, a few urban communities have joined the Urban Air Mobility (UAM) Initiative, which comprises the European Innovation Partnership on Smart Cities and Communities (EIP-SCC). The initiative focuses on generating a business opportunity for metropolitan air portability. The guidelines for the Urban Air Mobility industry are also being drafted. According to the European Union Aviation Safety Agency (EASA), air taxicabs and ambulances can become a reality in the European airspace by 2026.

The break-up of profile of primary participants in the Drone Taxi 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 Drone taxi market are Airbus (Netherland), Boeing (US), Joby Aviation (US), Volocopter (Germany), Lilium (Germany), and EHang (China) among others.

Research Coverage:

This research report categorizes the Drone Taxi Market by Range (Intercity, Intracity), Propulsion (Fully Electric, Hybrid, Electric Hydrogen), Autonomy (Fully Autonomous, Remotely Piloted), Passenger Capacity (Up to 2, 3 to 5, More than 5), System (Structure, Avionics, Interior, Propulsion, Others), End Use (Ride Sharing Companies, Scheduled Operators, Hospital and Medical Agencies, Private Operators) in these segments have been mapped across major regions, namely, North America, Europe, Asia Pacific, Middle East 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 Drone Taxi 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 Drone Taxi 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 Drone Taxi 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 Drone Taxi 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 Drone Taxi market

Market Development: Comprehensive information about lucrative markets – the report analyzes the Drone Taxi market across varied regions

Market Diversification: Exhaustive information about new products & services, untapped geographies, recent developments, and investments in Drone Taxi market

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

Contents

1 INTRODUCTION

1.1 OBJECTIVES OF THE STUDY

1.2 MARKET DEFINITION

1.3 STUDY SCOPE

FIGURE 1 DRONE TAXI MARKET SEGMENTATION

1.3.1 REGIONAL SCOPE

1.3.2 YEARS CONSIDERED FOR THE STUDY

1.4 CURRENCY & PRICING

1.5 USD EXCHANGE RATES

1.6 INCLUSIONS & EXCLUSIONS

1.7 MARKET STAKEHOLDERS

2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA

FIGURE 2 RESEARCH FLOW

FIGURE 3 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

FIGURE 4 KEY PRIMARY INSIGHTS

2.1.2.2 Breakdown of primaries

TABLE 1 INFORMATION ABOUT PRIMARY INTERVIEWEES

2.2 FACTOR ANALYSIS

2.2.1 INTRODUCTION

2.2.2 DEMAND-SIDE INDICATORS

2.2.2.1 Increasing demand for alternative transportation in urban mobility and autonomous air ambulances

2.2.3 SUPPLY-SIDE ANALYSIS

2.2.3.1 Advancements in technology

2.3 MARKET SIZE ESTIMATION

2.4 BOTTOM-UP APPROACH

FIGURE 5 MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP APPROACH

2.5 TOP-DOWN APPROACH

FIGURE 6 MARKET SIZE ESTIMATION METHODOLOGY: TOP-DOWN APPROACH

2.6 DATA TRIANGULATION

FIGURE 7 DATA TRIANGULATION

2.7 ASSUMPTIONS

2.7.1 ASSUMPTIONS FOR THE RESEARCH STUDY

2.8 IMPACT OF COVID-19 ON THE DRONE TAXI MARKET

2.9 RISK IMPACT ASSESSMENT

2.10 LIMITATIONS/GREY AREAS

2.10.1 PRICING

2.10.2 MARKET SIZE

3 EXECUTIVE SUMMARY

FIGURE 8 RIDE SHARING COMPANIES TO HOLD LARGEST SHARE OF DRONE TAXI MARKET DURING FORECAST PERIOD

FIGURE 9 PROPULSION SYSTEM SEGMENT PROJECTED TO LEAD DRONE TAXI MARKET

FIGURE 10 REMOTELY PILOTED SEGMENT PROJECTED TO DOMINATE DRONE TAXI MARKET

FIGURE 11 3 TO 5 PASSENGER CAPACITY SEGMENT PROJECTED TO GROW AT HIGHEST CAGR DURING FORECAST PERIOD

FIGURE 12 FULLY ELECTRIC SEGMENT TO COMMAND LARGEST SHARE OF MARKET

4 PREMIUM INSIGHTS

4.1 ATTRACTIVE OPPORTUNITIES IN DRONE TAXI MARKET, 2025–2030

FIGURE 13 NEED FOR ALTERNATIVE MODE OF TRANSPORT IN URBAN AREAS DRIVES MARKET GROWTH

4.2 DRONE TAXI MARKET, BY END USE

FIGURE 14 RIDE SHARING SEGMENT PROJECTED TO LEAD DRONE TAXI MARKET

4.3 DRONE TAXI MARKET, BY COUNTRY

FIGURE 15 US MARKET TO GROW AT HIGHEST CAGR DURING FORECAST PERIOD

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 MARKET DYNAMICS

FIGURE 16 URBAN AIR MOBILITY MARKET DYNAMICS

5.2.1 DRIVERS

5.2.1.1 Growing demand for alternative mode of transportation in urban mobility

5.2.1.2 Smart city initiatives

TABLE 2 SMART CITY INITIATIVES, BY COUNTRY

5.2.1.3 Improved regulatory framework

5.2.2 RESTRAINTS

5.2.2.1 Safety concerns during drone taxi operations

5.2.2.2 Limited adoption due to political, economic, social, technological, and legal factors

5.2.3 OPPORTUNITIES

5.2.3.1 Intracity transportation: Short-term opportunity

5.2.3.2 Increasing demand for autonomous air ambulance vehicles

5.2.3.3 Technological advancements in sector

TABLE 3 TECHNOLOGY ADVANCEMENT, BY PLATFORM

5.2.3.4 Zero emission initiatives

5.2.4 CHALLENGES

5.2.4.1 Concerns related to lithium batteries

5.2.4.2 Restrictions on commercial use of drones

TABLE 4 RESTRICTIONS ON USE OF DRONES, BY COUNTRY

5.2.4.3 Implementation of required ground infrastructure

5.2.4.4 Cybersecurity concerns

5.2.4.5 Lack of skilled and trained operators

5.3 COVID-19 IMPACT: RANGES AND SCENARIOS

5.4 IMPACT OF COVID-19 ON DRONE TAXI MARKET

5.4.1 DEMAND-SIDE IMPACTS

5.4.1.1 Key developments from January 2020 to November 2020

TABLE 5 KEY DEVELOPMENTS IN DRONE TAXI MARKET

5.4.2 SUPPLY-SIDE IMPACT

5.4.2.1 Key developments from January 2020 to November 2020

TABLE 6 KEY DEVELOPMENTS IN DRONE TAXI MARKET, JANUARY 2020 TO NOVEMBER 2020

5.5 DRONE TAXI MARKET ECOSYSTEM

5.5.1 PROMINENT COMPANIES

5.5.2 PRIVATE AND SMALL ENTERPRISES

5.5.3 END USERS

TABLE 7 DRONE TAXI MARKET: MARKET ECOSYSTEM

5.6 TRENDS/DISRUPTION IMPACTING CUSTOMERS' BUSINESS

5.6.1 REVENUE SHIFT AND NEW REVENUE POCKETS FOR DRONE TAXI MARKET

5.7 VALUE CHAIN ANALYSIS

5.8 PORTER'S FIVE FORCES ANALYSIS

TABLE 8 DRONE TAXI MARKET: PORTER'S FIVE FORCES.

5.8.1 THREAT OF NEW ENTRANTS

5.8.2 THREAT OF SUBSTITUTES

5.8.3 BARGAINING POWER OF SUPPLIERS

5.8.4 BARGAINING POWER OF BUYERS

5.8.5 INTENSITY OF COMPETITIVE RIVALRY

5.9 USE CASE ANALYSIS: DRONE TAXI MARKET

5.9.1 PASSENGER FLIGHT TESTING

5.9.2 AIR AMBULANCE

5.9.3 RIDE SHARING

5.9.4 AIR HUB

5.10 TARIFF AND REGULATORY LANDSCAPE, UK

TABLE 9 DRONE REGULATORY BODIES, BY COUNTRY

TABLE 10 DRONE REGULATIONS, BY COUNTRY

5.11 TECHNOLOGY ANALYSIS

5.11.1 COMPACT FLY-BY-WIRE

5.12 TREND ANALYSIS

5.13 SELLING PRICE ANALYSIS

TABLE 11 ESTIMATED VEHICLE COST

TABLE 12 ESTIMATED COST PER TRIP

6 INDUSTRY TRENDS

6.1 INTRODUCTION

6.2 CHALLENGES OF DRONE TAXI ECOSYSTEM

FIGURE 17 CHALLENGES OF DRONE TAXI ECOSYSTEM

6.3 EMERGING TECHNOLOGY TRENDS

FIGURE 18 KEY TECHNOLOGY ENABLERS FOR DRONE TAXI

6.3.1 BLOCKCHAIN

6.3.2 ARTIFICIAL INTELLIGENCE

6.3.3 SENSE & AVOID SYSTEMS

6.3.4 CLOUD COMPUTING

6.3.5 AUTOMATED GROUND CONTROL STATIONS

6.3.6 INTERNET OF THINGS (IOT)

6.3.7 HYDROGEN PROPULSION

6.3.8 REDUCTION IN PROPULSION NOISE

6.3.9 COMPOSITE MATERIAL

6.4 IMPACT OF MEGATREND

6.5 INNOVATION & PATENT ANALYSIS

TABLE 13 INNOVATION & PATENT ANALYSIS OF DRONE TAXI MARKET

7 DRONE TAXI MARKET, BY END USE

7.1 INTRODUCTION

FIGURE 19 RIDE SHARING SEGMENT TO DOMINATE MARKET DURING FORECAST PERIOD

TABLE 14 DRONE TAXI MARKET, BY END USE, 2023–2030 (USD MILLION)

7.2 RIDE SHARING COMPANIES

7.2.1 STRATEGIES OF EXPANSION AND PARTNERSHIP WITH RIDE SHARING COMPANIES WILL BOOST SEGMENT

7.3 SCHEDULED OPERATORS

7.3.1 CONGESTED CITIES AND NEED FOR FASTER TRANSPORT WILL BOOST SEGMENT

7.4 HOSPITALS & MEDICAL AGENCIES

7.4.1 SPECIAL EMERGENCY MEDICAL SERVICE PERMITS FOR CRITICAL PATIENTS CAN FUEL SEGMENT GROWTH

7.5 PRIVATE OPERATORS

7.5.1 EMERGING SEGMENT FOR ON-DEMAND AIR TRAVEL

8 DRONE TAXI MARKET, BY AUTONOMY

8.1 INTRODUCTION

FIGURE 20 FULLY AUTONOMOUS SEGMENT TO GROW AT HIGHER CAGR DURING FORECAST PERIOD

TABLE 15 DRONE TAXI MARKET, BY AUTONOMY, 2023–2030 (USD MILLION)

8.2 FULLY AUTONOMOUS

8.2.1 INCREASING COMMERCIAL USE OF EVTOL AIRCRAFT FOR INTRACITY TRAVEL WILL DRIVE SEGMENT

8.3 REMOTELY PILOTED

8.3.1 BETTER AIR TRAFFIC MANAGEMENT WILL INCREASE DEMAND FOR REMOTELY PILOTED AIRCRAFT

9 DRONE TAXI MARKET, BY PASSENGER CAPACITY

9.1 INTRODUCTION

FIGURE 21 DRONE TAXIS WITH PASSENGER CAPACITY OF 3 TO 5 TO COMMAND LARGEST MARKET SHARE

TABLE 16 DRONE TAXI MARKET, BY PASSENGER CAPACITY, 2023–2030 (USD MILLION)

9.2 UP TO 2 PASSENGERS

9.2.1 INCREASING DISPOSAL INCOME IN URBAN AREAS WILL DRIVE SEGMENT

9.3 3 TO 5 PASSENGERS

9.3.1 INCREASING INVESTMENTS AND DEVELOPMENTS BOOST SEGMENT

9.4 MORE THAN 5 PASSENGERS

9.4.1 FUNDING FOR MINI AIRBUS DRONE TAXIS WILL FUEL SEGMENT

10 DRONE TAXI MARKET, BY PROPULSION TYPE

10.1 INTRODUCTION

FIGURE 22 FULLY ELECTRIC SEGMENT TO LEAD MARKET DURING FORECAST PERIOD

TABLE 17 DRONE TAXI MARKET, BY PROPULSION SYSTEM, 2023–2030 (USD MILLION)

10.2 FULLY ELECTRIC

10.2.1 REDUCTION OF OVERALL WEIGHT WITH ELIMINATION OF PISTON ENGINE DRIVEN GENERATOR WILL INCREASE DEMAND.

10.3 HYBRID

10.3.1 ELIMINATION OF GROUND BATTERY CHARGING INFRASTRUCTURE WILL INCREASE DEMAND FOR HYBRID ELECTRIC DRONE TAXIS

10.4 ELECTRIC HYDROGEN

10.4.1 INCREASED ENDURANCE OVER OTHER PROPULSION SYSTEMS WILL BOOST MARKET FOR ELECTRIC HYDROGEN POWERED EVTOL DRONES

11 DRONE TAXI MARKET, BY RANGE

11.1 INTRODUCTION

FIGURE 23 INTRACITY SEGMENT TO DOMINATE MARKET DURING FORECAST PERIOD

TABLE 18 DRONE TAXI MARKET, BY RANGE, 2023–2030 (USD MILLION)

11.2 INTERCITY

11.2.1 RAPID INCREASE IN URBAN DEMOGRAPHICS WILL DRIVE MARKET FOR INTERCITY DRONE TAXIS

11.3 INTRACITY

11.3.1 INCREASING TRAFFIC CONGESTION WILL INCREASE DEMAND FOR INTRACITY DRONE TAXI SERVICES.

12 DRONE TAXI MARKET, BY SYSTEM

12.1 INTRODUCTION

FIGURE 24 PROPULSION SYSTEM EXPECTED TO LEAD MARKET DURING FORECAST PERIOD

TABLE 19 DRONE TAXI MARKET SIZE, BY SYSTEM, 2023–2030 (USD MILLION)

12.2 STRUCTURE

12.2.1 SUBSTANTIAL GROWTH IN DESIGNING AND MANUFACTURING TECHNOLOGIES WILL DRIVE SEGMENT

12.3 AVIONICS

12.3.1 ADOPTION OF AUTONOMOUS DRONE TAXIS WILL INCREASE DEMAND FOR AVIONICS

12.4 PROPULSION

12.4.1 INCREASING DEMAND FOR HYBRID ELECTRIC DRONE TAXIS WILL DRIVE PROPULSION SEGMENT

12.5 INTERIOR

12.5.1 EXPANDED INTEREST FOR IN-FLIGHT ENTERTAINMENT WILL DRIVE SEGMENT

12.6 OTHERS

12.6.1 NEED FOR REGULAR MAINTENANCE OF DRONE TAXI COMPONENTS DRIVES OTHERS SEGMENT

13 DRONE TAXI MARKET, BY SOLUTION

13.1 INTRODUCTION

13.2 PLATFORM, BY LIFT TECHNOLOGY

13.2.1 VECTOR THRUST

13.2.1.1 Advantage of quieter vertical take-off will increase demand for vector thrust platform

13.2.2 MULTIROTOR

13.2.2.1 Use for personal use, tourism, and entertainment hubs will drive multirotor platform

13.2.3 LIFT PLUS CRUISE

13.2.3.1 Longer range and higher passenger carrying capacity drive market for lift plus cruise technology

13.3 SOFTWARE MARKET BY APPLICATION

13.3.1 ROUTE PLANNING & OPTIMIZING

13.3.1.1 Increasing delivery of drone taxis will drive need for software for route planning and optimizing

13.3.2 SENSE & AVOID SYSTEM

13.3.2.1 Inclusion of more autonomous aerial vehicles will drive the market

13.3.3 LIVE TRACKING

13.3.3.1 Investments and advancements in next-generation eVTOLs will drive market of live tracking software

13.3.4 FLEET MANAGEMENT

13.3.4.1 Managing and scaling drone taxi fleets for commercial use will drive market for fleet management software

13.3.5 COMPUTER VISION

13.3.5.1 Developments in computer vision and machine learning to drive computer vision market

13.4 INFRASTRUCTURE, BY END USE

13.4.1 CHARGING STATIONS

13.4.1.1 Increasing investments will drive market for charging station infrastructure

13.4.2 VERTIPOINTS

13.4.2.1 With increasing investments in passenger drones, demand for new vertiports will grow

13.4.3 TRAFFIC MANAGEMENT

13.4.3.1 Evolving technology and increasing availability of LTE and other high capacity networks will drive market for UTM systems

13.4.4 GROUND CONTROL STATION

13.4.4.1 Increasing demand for lightweight and portable ground stations will drive market

14 REGIONAL ANALYSIS

14.1 INTRODUCTION

14.2 COVID-19 IMPACT ON DRONE TAXI MARKET

FIGURE 25 DRONE TAXI MARKET: REGIONAL SNAPSHOT (2025)

TABLE 20 DRONE TAXI MARKET, BY REGION, 2023–2030 (USD MILLION)

14.3 NORTH AMERICA

14.3.1 PESTLE ANALYSIS: NORTH AMERICA

FIGURE 26 NORTH AMERICA: DRONE TAXI MARKET SNAPSHOT

TABLE 21 NORTH AMERICA: DRONE TAXI MARKET, BY COUNTRY, 2025–2030 (USD MILLION)

TABLE 22 NORTH AMERICA: DRONE TAXI MARKET SIZE, BY END USE, 2025–2030

(USD MILLION)

TABLE 23 NORTH AMERICA: DRONE TAXI MARKET SIZE, BY SYSTEM, 2025–2030

(USD MILLION)

TABLE 24 NORTH AMERICA: DRONE TAXI MARKET SIZE, BY AUTONOMY, 2025–2030 (USD MILLION)

TABLE 25 NORTH AMERICA: DRONE TAXI MARKET SIZE, BY PASSENGER CAPACITY, 2025–2030 (USD MILLION)

TABLE 26 NORTH AMERICA: DRONE TAXI MARKET SIZE, BY RANGE, 2025–2030 (USD MILLION)

14.3.2 US

14.3.2.1 Presence of major e-VTOL aircraft manufacturers to foster adoption of unmanned systems for various civil and commercial applications

TABLE 27 US: DRONE TAXI MARKET SIZE, BY AUTONOMY, 2025–2030 (USD MILLION)

TABLE 28 US: DRONE TAXI MARKET SIZE, BY RANGE, 2025–2030 (USD MILLION)

14.3.3 CANADA

14.3.3.1 CAAM consortium to promote commercialization of drones and air taxis in Canada

TABLE 29 CANADA: DRONE TAXI MARKET SIZE, BY AUTONOMY, 2025–2030 (USD MILLION)

TABLE 30 CANADA: DRONE TAXI MARKET SIZE, BY RANGE, 2025–2030 (USD MILLION)

14.4 EUROPE

14.4.1 PESTLE ANALYSIS: EUROPE

FIGURE 27 EUROPE: DRONE TAXI MARKET SNAPSHOT

TABLE 31 EUROPE: DRONE TAXI MARKET SIZE, BY COUNTRY, 2023–2030 (USD MILLION)

TABLE 32 EUROPE: DRONE TAXI PLATFORM MARKET SIZE, BY END USE, 2023–2030 (USD MILLION)

TABLE 33 EUROPE: DRONE TAXI MARKET SIZE, BY SYSTEM, 2023–2030 (USD MILLION)

TABLE 34 EUROPE: DRONE TAXI MARKET SIZE, BY AUTONOMY, 2023–2030 (USD MILLION)

TABLE 35 EUROPE: DRONE TAXI MARKET SIZE, BY PASSENGER CAPACITY, 2023–2030 (USD MILLION)

TABLE 36 EUROPE: DRONE TAXI MARKET SIZE, BY RANGE, 2023–2030 (USD MILLION)

14.4.2 FRANCE

14.4.2.1 Government initiatives supporting UAM projects will fuel drone taxi market

growth

TABLE 37 FRANCE: DRONE TAXI MARKET SIZE, BY AUTONOMY, 2024–2030 (USD MILLION)

TABLE 38 FRANCE: DRONE TAXI MARKET SIZE, BY RANGE, 2024–2030 (USD MILLION)

14.4.3 UK

14.4.3.1 Consortium cooperative business model with involvement of private sector and local authorities to drive market growth in UK

TABLE 39 UK: DRONE TAXI MARKET SIZE, BY AUTONOMY, 2023–2030 (USD MILLION)

TABLE 40 UK: DRONE TAXI MARKET SIZE, BY RANGE, 2023–2030 (USD MILLION)

14.4.4 BELGIUM

14.4.4.1 Initiatives for setting up drone-based emergency services network to drive market growth in Belgium

TABLE 41 BELGIUM: DRONE TAXI MARKET SIZE, BY AUTONOMY, 2023–2030 (USD MILLION)

TABLE 42 BELGIUM: DRONE TAXI MARKET SIZE, BY RANGE, 2023–2030 (USD MILLION)

14.4.5 BULGARIA

14.4.5.1 Increasing automobile emissions fueling demand for UAM in Bulgaria

TABLE 43 BULGARIA: DRONE TAXI MARKET SIZE, BY AUTONOMY, 2025–2030 (USD MILLION)

TABLE 44 BULGARIA: DRONE TAXI MARKET SIZE, BY RANGE, 2025–2030 (USD MILLION)

14.4.6 ITALY

14.4.6.1 Initiatives for setting up vertiport services network to drive market growth in Italy

TABLE 45 ITALY: DRONE TAXI MARKET SIZE, BY AUTONOMY, 2025–2030 (USD MILLION)

TABLE 46 ITALY: DRONE TAXI MARKET SIZE, BY RANGE, 2025–2030 (USD MILLION)

14.4.7 FINLAND

14.4.7.1 Growing adoption of UAM to decrease environmental impacts of aviation and improve flight connections

TABLE 47 FINLAND: DRONE TAXI MARKET SIZE, BY AUTONOMY, 2024–2030 (USD MILLION)

TABLE 48 FINLAND: DRONE TAXI MARKET SIZE, BY RANGE, 2024–2030 (USD MILLION)

14.4.8 GERMANY

14.4.8.1 Recognizing urban and regional air mobility as future strategic approach will play an important role in driving market in Germany

TABLE 49 GERMANY: DRONE TAXI MARKET SIZE, BY AUTONOMY, 2023–2030 (USD MILLION)

TABLE 50 GERMANY: DRONE TAXI MARKET SIZE, BY RANGE, 2023–2030 (USD MILLION)

14.4.9 SPAIN

14.4.9.1 Developing concepts for operating drone taxis will drive market

TABLE 51 SPAIN: DRONE TAXI MARKET SIZE, BY AUTONOMY, 2024–2030 (USD MILLION)

TABLE 52 SPAIN: DRONE TAXI MARKET SIZE, BY RANGE, 2024–2030 (USD MILLION)

14.4.10 SWITZERLAND

14.4.10.1 Initiatives for setting up air taxi network to connect places will drive market in Switzerland

TABLE 53 SWITZERLAND: DRONE TAXI MARKET SIZE, BY AUTONOMY, 2024–2030 (USD MILLION)

TABLE 54 SWITZERLAND: DRONE TAXI MARKET SIZE, BY RANGE, 2024–2030 (USD MILLION)

14.4.11 NETHERLANDS

14.4.11.1 Establishment of Dutch Drone Delta foundation to boost market growth in Netherlands

TABLE 55 NETHERLANDS: DRONE TAXI MARKET SIZE, BY AUTONOMY, 2024–2030 (USD MILLION)

TABLE 56 NETHERLANDS: DRONE TAXI MARKET SIZE, BY RANGE, 2024–2030 (USD MILLION)

14.5 ASIA PACIFIC

14.5.1 PESTLE ANALYSIS: ASIA PACIFIC

FIGURE 28 ASIA PACIFIC: DRONE TAXI MARKET SNAPSHOT

TABLE 57 ASIA PACIFIC: DRONE TAXI MARKET SIZE, BY COUNTRY, 2023–2030 (USD MILLION)

TABLE 58 ASIA PACIFIC: DRONE TAXI PLATFORM MARKET SIZE, BY END USE, 2023–2030 (USD MILLION)

TABLE 59 ASIA PACIFIC: DRONE TAXI MARKET SIZE, BY SYSTEM, 2023–2030 (USD MILLION)

TABLE 60 ASIA PACIFIC: DRONE TAXI MARKET SIZE, BY AUTONOMY, 2023–2030 (USD MILLION)

TABLE 61 ASIA PACIFIC: DRONE TAXI MARKET SIZE, BY PASSENGER CAPACITY,

2023–2030 (USD MILLION)

TABLE 62 ASIA PACIFIC: DRONE TAXI MARKET SIZE, BY RANGE, 2023–2030 (USD MILLION)

14.5.2 JAPAN

14.5.2.1 Air mobility to attain key sustainable development

TABLE 63 JAPAN: DRONE TAXI MARKET SIZE, BY AUTONOMY, 2025–2030 (USD MILLION)

TABLE 64 JAPAN: DRONE TAXI MARKET SIZE, BY RANGE, 2025–2030 (USD MILLION)

14.5.3 AUSTRALIA

14.5.3.1 Rapid development and continuous testing of aerial taxi services will boost passenger drone operations

TABLE 65 AUSTRALIA: DRONE TAXI MARKET SIZE, BY AUTONOMY, 2024–2030 (USD MILLION)

TABLE 66 AUSTRALIA: DRONE TAXI MARKET SIZE, BY RANGE, 2024–2030 (USD MILLION)

14.5.4 INDIA

14.5.4.1 Increasing population and road traffic congestion in megacities such as Mumbai and Pune demand for UAM as alternate mode of transportation

TABLE 67 INDIA: DRONE TAXI MARKET SIZE, BY AUTONOMY, 2025–2030 (USD MILLION)

TABLE 68 INDIA: DRONE TAXI MARKET SIZE, BY RANGE, 2025–2030 (USD MILLION)

14.5.5 CHINA

14.5.5.1 China's State Council urges acceleration of strategic planning and standards formulation for drone taxi

TABLE 69 CHINA: DRONE TAXI MARKET SIZE, BY AUTONOMY, 2023–2030 (USD MILLION)

TABLE 70 CHINA: DRONE TAXI MARKET SIZE, BY RANGE, 2023–2030 (USD MILLION)

14.5.6 SOUTH KOREA

14.5.6.1 South Korea has plans to launch air taxi services by 2025

TABLE 71 SOUTH KOREA: DRONE TAXI MARKET SIZE, BY AUTONOMY, 2024–2030 (USD MILLION)

TABLE 72 SOUTH KOREA: DRONE TAXI MARKET SIZE, BY RANGE, 2024–2030 (USD MILLION)

14.5.7 NEW ZEALAND

14.5.7.1 Airways New Zealand is a key provider of air traffic service in New Zealand

TABLE 73 NEW ZEALAND: DRONE TAXI MARKET SIZE, BY AUTONOMY, 2025–2030 (USD MILLION)

TABLE 74 NEW ZEALAND: DRONE TAXI MARKET SIZE, BY RANGE, 2025–2030 (USD MILLION)

14.5.8 SINGAPORE

14.5.8.1 Civil Aviation Authority of Singapore signed MOU with Airbus to focus on drone taxi

TABLE 75 SINGAPORE: DRONE TAXI MARKET SIZE, BY AUTONOMY, 2024–2030 (USD MILLION)

TABLE 76 SINGAPORE: DRONE TAXI MARKET SIZE, BY RANGE, 2024–2030 (USD MILLION)

14.6 MIDDLE EAST

14.6.1 PESTLE ANALYSIS: MIDDLE EAST

FIGURE 29 MIDDLE EAST: DRONE TAXI MARKET SNAPSHOT

TABLE 77 MIDDLE EAST: DRONE TAXI MARKET SIZE, BY COUNTRY, 2023–2030 (USD MILLION)

TABLE 78 MIDDLE EAST: DRONE TAXI PLATFORM MARKET SIZE, BY END USE, 2023–2030 (USD MILLION)

TABLE 79 MIDDLE EAST: DRONE TAXI MARKET SIZE, BY SYSTEM, 2023–2030 (USD MILLION)

TABLE 80 MIDDLE EAST: DRONE TAXI MARKET SIZE, BY AUTONOMY, 2023–2030 (USD MILLION)

TABLE 81 MIDDLE EAST: DRONE TAXI MARKET SIZE, BY PASSENGER CAPACITY, 2023–2030 (USD MILLION)

TABLE 82 MIDDLE EAST: DRONE TAXI MARKET SIZE, BY RANGE, 2023–2030 (USD MILLION)

14.6.2 UAE

14.6.2.1 Dubai making progress to meet 2022 target for commercial electric air taxi operations

TABLE 83 UAE: DRONE TAXI MARKET SIZE, BY AUTONOMY, 2023–2030 (USD MILLION)

TABLE 84 UAE: DRONE TAXI MARKET SIZE, BY RANGE, 2023–2030 (USD MILLION)

14.7 LATIN AMERICA

14.7.1 PESTLE ANALYSIS: LATIN AMERICA

FIGURE 30 LATIN AMERICA: DRONE TAXI MARKET SNAPSHOT

TABLE 85 LATIN AMERICA: DRONE TAXI MARKET SIZE, BY COUNTRY, 2025–2030 (USD MILLION)

TABLE 86 LATIN AMERICA: DRONE TAXI PLATFORM MARKET SIZE, BY END USE,

2025–2030 (USD MILLION)

TABLE 87 LATIN AMERICA: DRONE TAXI MARKET SIZE, BY SYSTEM, 2025–2030 (USD MILLION)

TABLE 88 LATIN AMERICA: DRONE TAXI MARKET SIZE, BY AUTONOMY, 2025–2030 (USD MILLION)

TABLE 89 LATIN AMERICA: DRONE TAXI MARKET SIZE, BY PASSENGER CAPACITY, 2025–2030 (USD MILLION)

TABLE 90 LATIN AMERICA: DRONE TAXI MARKET SIZE, BY RANGE, 2025–2030 (USD MILLION)

14.7.2 BRAZIL

14.7.2.1 Brazil to witness air taxi services by Airbus for intercity and intracity travel to reduce travel time

TABLE 91 BRAZIL: DRONE TAXI MARKET SIZE, BY AUTONOMY, 2025–2030 (USD MILLION)

TABLE 92 BRAZIL: DRONE TAXI MARKET SIZE, BY RANGE, 2025–2030 (USD MILLION)

14.7.3 MEXICO

14.7.3.1 Airbus, with establishment of its new drone taxi unit, aims to lay foundation for more efficient and sustainable city travel in Mexico

TABLE 93 MEXICO: DRONE TAXI MARKET SIZE, BY AUTONOMY, 2025–2030 (USD MILLION)

TABLE 94 MEXICO: DRONE TAXI MARKET SIZE, BY RANGE, 2025–2030 (USD MILLION)

15 COMPETITIVE LANDSCAPE

15.1 INTRODUCTION

15.2 RANKING OF LEADING PLAYERS, 2020

FIGURE 31 RANKING OF LEADING PLAYERS IN DRONE TAXI MARKET, 2020

15.3 COMPETITIVE OVERVIEW

TABLE 95 KEY DEVELOPMENTS BY LEADING PLAYERS IN DRONE TAXI MARKET BETWEEN 2016 AND 2020

15.4 COMPANY PRODUCT FOOTPRINT ANALYSIS

TABLE 96 COMPANY PRODUCT FOOTPRINT

TABLE 97 COMPANY APPLICATION FOOTPRINT

TABLE 98 COMPANY RANGE FOOTPRINT

TABLE 99 COMPANY REGION FOOTPRINT

15.5 COMPANY EVALUATION QUADRANT

15.5.1 STAR

15.5.2 EMERGING LEADER

15.5.3 PERVASIVE

15.5.4 PARTICIPANT

FIGURE 32 DRONE TAXI MARKET COMPETITIVE LEADERSHIP MAPPING, 2020

15.6 COMPETITIVE SCENARIO

15.6.1 DEALS

TABLE 100 DEALS, 2019–2021

TABLE 101 PRODUCT LAUNCHES, 2019–2021

16 COMPANY PROFILES

(Business overview, Products/solutions/services offered, Recent Developments, MNM view)*

16.1 INTRODUCTION

16.2 KEY PLAYERS

16.2.1 AIRBUS SAS

TABLE 102 AIRBUS SAS: BUSINESS OVERVIEW

FIGURE 33 AIRBUS S.A.S.: COMPANY SNAPSHOT

TABLE 103 AIRBUS SAS: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 104 AIRBUS SAS: PRODUCT DEVELOPMENT

TABLE 105 AIRBUS SAS: DEALS

16.2.2 BOEING

TABLE 106 BOEING: BUSINESS OVERVIEW

FIGURE 34 BOEING: COMPANY SNAPSHOT

TABLE 107 BOEING: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 108 BOEING: PRODUCT DEVELOPMENT

TABLE 109 BOEING: DEALS

16.2.3 TEXTRON INC

TABLE 110 TEXTRON INC: BUSINESS OVERVIEW

FIGURE 35 TEXTRON INC: COMPANY SNAPSHOT

TABLE 111 TEXTRON INC: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 112 TEXTRON INC: PRODUCT LAUNCH

16.2.4 EHANG

TABLE 113 EHANG: BUSINESS OVERVIEW

FIGURE 36 EHANG: COMPANY SNAPSHOT

TABLE 114 EHANG: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 115 EHANG: PRODUCT LAUNCH

TABLE 116 EHANG: DEAL

16.2.5 JOBY AVIATION

TABLE 117 JOBY AVIATION: BUSINESS OVERVIEW

TABLE 118 JOBY AVIATION: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 119 JOBY AVIATION: DEALS

16.2.6 VOLOCOPTER

TABLE 120 VOLOCOPTER: BUSINESS OVERVIEW

TABLE 121 VOLOCOPTER: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 122 VOLOCOPTER: PRODUCT LAUNCH

TABLE 123 VOLOCOPTER: DEALS

16.2.7 LILIUM

TABLE 124 LILIUM: BUSINESS OVERVIEWS

TABLE 125 LILIUM: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 126 LILIUM: PRODUCT LAUNCH

TABLE 127 LILIUM: DEALS

16.3 OTHER PLAYERS

16.3.1 OPENER

TABLE 128 OPENER: BUSINESS OVERVIEW

TABLE 129 OPENER: PRODUCTS/SOLUTIONS/SERVICES OFFERED

16.3.2 PIPISTREL

TABLE 130 PIPISTREL: BUSINESS OVERVIEW

TABLE 131 PIPISTREL: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 132 PIPISTREL: PRODUCT LAUNCH

TABLE 133 PIPISTREL: DEALS

16.3.3 ALOFT

TABLE 134 ALOFT: BUSINESS OVERVIEW

TABLE 135 ALOFT: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 136 ALOFT: DEALS

16.3.4 LIFT AIRCRAFT

TABLE 137 LIFT AIRCRAFT: BUSINESS OVERVIEW

TABLE 138 LIFT AIRCRAFT: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 139 LIFT AIRCRAFT: PRODUCT LAUNCH

TABLE 140 LIFT AIRCRAFT: DEALS

16.3.5 SKYDRIVE INC

TABLE 141 SKYDRIVE INC: BUSINESS OVERVIEW

TABLE 142 SKYDRIVE INC: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 143 SKYDRIVE INC: PRODUCT LAUNCH

TABLE 144 SKYDRIVE INC: DEALS

16.3.6 MOOG

TABLE 145 MOOG: BUSINESS OVERVIEW

TABLE 146 WISK AERO: PRODUCTS/SOLUTIONS/SERVICES OFFERED

16.3.7 KAREM AIRCRAFT

TABLE 147 KAREM AIRCRAFT BUSINESS OVERVIEW

TABLE 148 KAREM AIRCRAFT: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 149 KAREM AIRCRAFT: DEALS

16.3.8 TECNALIA

TABLE 150 TECNALIA: BUSINESS OVERVIEW

TABLE 151 TECNALIA: PRODUCTS/SOLUTIONS/SERVICES OFFERED

16.3.9 XERIAN T

TABLE 152 XERIAN T: BUSINESS OVERVIEW

TABLE 153 XERIAN T: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 154 XERIAN T: DEALS

16.3.10 SCIENEX

TABLE 155 SCIENEX: BUSINESS OVERVIEW

TABLE 156 SCIENEX: PRODUCTS/SOLUTIONS/SERVICES OFFERED

16.3.11 ZHEJIANG GEELY

TABLE 157 ZHEJIANG GEELY: BUSINESS OVERVIEW

TABLE 158 ZHEJIANG GELLY: PRODUCTS/SOLUTIONS/SERVICES OFFERED

16.3.12 MICOR TECHNOLOGY LLC

TABLE 159 MICOR TECHNOLOGY LLC BUSINESS OVERVIEW

TABLE 160 MICOR TECHNOLOGY LLC: PRODUCTS/SOLUTIONS/SERVICES OFFERED

16.3.13 AIRSPACE EXPERIENCE TECHNOLOGY

TABLE 161 AIRSPACE EXPERIENCE TECHNOLOGY: BUSINESS OVERVIEW

TABLE 162 AIRSPACE EXPERIENCE TECHNOLOGY: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 163 AIRSPACE EXPERIENCE TECHNOLOGY: PRODUCT DEVELOPMENT

16.3.14 VARON VEHICLES CORPORATION

TABLE 164 VARON VEHICLES: BUSINESS OVERVIEW

TABLE 165 VARON VEHICLES: PRODUCTS/SOLUTIONS/SERVICES OFFERED

16.3.15 HOVER

TABLE 166 HOVER: BUSINESS OVERVIEW

TABLE 167 HOVER: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 168 HOVER: DEAL

16.3.16 TRANSCEND AIR

TABLE 169 TRANSCEND AIR: BUSINESS OVERVIEW

TABLE 170 TRANSCEND AIR: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 171 TRANSCEND AIR: DEALS

16.3.17 ALIPTERA

TABLE 172 ALIPTERA: BUSINESS OVERVIEW

TABLE 173 ALIPTERA: PRODUCTS/SOLUTIONS/SERVICES OFFERED
16.3.18 COMAC

TABLE 174 COMAC: BUSINESS OVERVIEW

TABLE 175 COMAC: PRODUCTS/SOLUTIONS/SERVICES OFFERED

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

17 APPENDIX

17.1 DISCUSSION GUIDE

17.2 KNOWLEDGESTORE: MARKETSandMARKETS' SUBSCRIPTION PORTAL

17.3 AUTHOR DETAILS

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