

# Unmanned Traffic Management (UTM) Market by Component (Solutions, Software, Services), Type ((Persistent, Non-Persistent), End-User , Application (Aviation, Homeland Security, Agriculture, Logistics & Transportation) and Region - Global Forecast to 2030

<https://marketpublishers.com/r/U33F2FE74FBEN.html>

Date: February 2023

Pages: 278

Price: US\$ 4,950.00 (Single User License)

ID: U33F2FE74FBEN

## Abstracts

The unmanned traffic management market is anticipated to reach USD 1,098 million by 2030, growing at a CAGR of 33.9% from USD 106 million in 2022. The use of unmanned aerial vehicles (UAVs) is growing rapidly across several commercial application domains including real-time monitoring, providing wireless coverage, remote sensing, search and rescue, delivery of goods, security and surveillance, precision agriculture, and infrastructure inspection. With increase in number of drones, the interplay between manned and unmanned systems needs to be managed. Unmanned traffic management will play this crucial of managing airspace along with interplay between manned and unmanned systems.

The development of unmanned traffic management (UTM) systems that can seamlessly integrate with existing air traffic control systems and other airspace systems is an important aspect of UTM systems, as it helps to ensure the safe and efficient operation of drones along with other aircraft in the airspace. There are several different approaches to integrating UTM systems with existing airspace systems, including the use of shared airspace corridors and the development of dedicated airspace for drones. These approaches are designed to allow drones to safely operate along with other aircraft, while also taking into account the unique characteristics and requirements of drone operations. In addition to the integration with air traffic control systems, UTM systems are also being developed to integrate with other airspace systems, such as weather forecasting systems and airspace management systems. This allows for the real-time exchange of information and the coordination of drone operations with other

airspace users. Overall, the integration of UTM systems with existing airspace systems is an important aspect of enabling the safe and efficient operation of drones in the airspace.

“Based on End User, the commercial segment is expected to lead the unmanned traffic management market from 2022 to 2030.”

Based on end-user, the unmanned traffic management market has been classified into commercial and government & law. The increasing demand for drones in multiple potential applications in the commercial sector has led to the growth of the unmanned traffic management market. For instance, in June 2022, Altitude Angel extended the GuardianUTM Enterprise platform to support London Biggin Hill Airport. London Biggin Hill is the only dedicated business-aviation airport, which sits inside the M25 and strives to be a leading center for aviation technology and enterprises within the capital. The airport is also home to more than 70 resident aviation businesses and offers award-winning VIP handling, a choice of FBOs, extensive hangarage, and support and maintenance services for all ranges of business jets

“The North America region is estimated to account for the largest share of unmanned traffic management market in 2022.”

Based on region, North America is expected to lead the unmanned traffic management market from 2022 to 2030. The US and Canada are the key countries considered for market analysis in the North American region. Government agencies such as the National Aeronautics and Space Administration (NASA), Federal Aviation Administration (FAA), and other federal partner agencies are collaboratively exploring concepts of operation, data exchange requirements, and supporting frameworks to facilitate multiple beyond visual line-of-sight UAS operations at low altitudes. In Canada, drones are being used in diverse and risky environments to carry out atmospheric research, including weather & atmospheric gas sampling; emergency & disaster monitoring; cartography & mapping; agricultural spraying; and promotion & advertising.

Major companies profiled in the report include Altitude Angel (UK). Thales Group (France), AirMap, Inc. (US), Airbus (Netherlands), and ANRA Technologies (US), among others.

Research Coverage:

This market study covers the unmanned traffic management market across various

segments and subsegments. It aims at estimating the size and growth potential of this market across different segments based on component, type, end-user, application 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 unmanned traffic management market. 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 unmanned traffic management offered by the top players in the market

**Product Development/Innovation:** Detailed insights on upcoming technologies, research & development activities, and new product launches in the unmanned traffic management market

**Market Development:** Comprehensive information about lucrative markets – the report analyses the unmanned traffic management market across varied regions

**Market Diversification:** Exhaustive information about new products, untapped geographies, recent developments, and investments in the unmanned traffic management market

**Competitive Assessment:** In-depth assessment of market shares, growth strategies, products, and manufacturing capabilities of leading players in the unmanned traffic management market

## Contents

### 1 INTRODUCTION

1.1 STUDY OBJECTIVES

1.2 MARKET DEFINITION

1.3 INCLUSIONS & EXCLUSIONS

TABLE 1 UNMANNED TRAFFIC MANAGEMENT MARKET: INCLUSIONS & EXCLUSIONS

1.4 MARKET SCOPE

1.4.1 MARKETS COVERED

FIGURE 1 UNMANNED TRAFFIC MANAGEMENT MARKET SEGMENTATION

1.4.2 YEARS CONSIDERED

1.5 REGIONAL SCOPE

1.6 CURRENCY CONSIDERED

TABLE 2 USD EXCHANGE RATES

1.7 LIMITATIONS

1.8 MARKET STAKEHOLDERS

1.9 SUMMARY OF CHANGES

FIGURE 2 UNMANNED TRAFFIC MANAGEMENT MARKET TO GROW AT LOWER RATE COMPARED TO PREVIOUS ESTIMATES

### 2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA

FIGURE 3 RESEARCH PROCESS FLOW

FIGURE 4 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

2.2 RECESSION IMPACT ANALYSIS

2.2.1 DEMAND-SIDE INDICATORS

2.2.2 SUPPLY-SIDE INDICATORS

2.3 FACTOR ANALYSIS

2.3.1 INTRODUCTION

2.3.2 DEMAND-SIDE INDICATORS

2.3.3 SUPPLY-SIDE INDICATORS

2.4 RESEARCH APPROACH AND METHODOLOGY

#### 2.4.1 BOTTOM-UP APPROACH

FIGURE 5 MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP APPROACH

#### 2.4.2 TOP-DOWN APPROACH

FIGURE 6 MARKET SIZE ESTIMATION METHODOLOGY: TOP-DOWN APPROACH

### 2.5 DATA TRIANGULATION AND VALIDATION

FIGURE 7 DATA TRIANGULATION

### 2.6 RESEARCH ASSUMPTIONS

FIGURE 8 ASSUMPTIONS FOR RESEARCH STUDY

### 2.7 RISKS

## 3 EXECUTIVE SUMMARY

FIGURE 9 SERVICE SEGMENT TO WITNESS HIGHEST CAGR IN UNMANNED TRAFFIC MANAGEMENT FROM 2022 TO 2030

FIGURE 10 COMMERCIAL SEGMENT TO ACCOUNT FOR LARGER SHARE OF UNMANNED TRAFFIC MANAGEMENT MARKET DURING FORECAST PERIOD

FIGURE 11 PERSISTENT SEGMENT TO ACCOUNT FOR LARGER SHARE OF UNMANNED TRAFFIC MANAGEMENT MARKET IN 2030

FIGURE 12 LOGISTICS AND TRANSPORTATION SEGMENT TO WITNESS HIGHEST CAGR IN UNMANNED TRAFFIC MANAGEMENT MARKET DURING FORECAST PERIOD

FIGURE 13 NORTH AMERICA TO HOLD MAJOR MARKET SHARE FROM 2022 TO 2030

## 4 PREMIUM INSIGHTS

4.1 ATTRACTIVE GROWTH OPPORTUNITIES FOR PLAYERS IN UNMANNED TRAFFIC MANAGEMENT MARKET

FIGURE 14 INNOVATIONS AND CHANGES IN REGULATIONS RELATED TO UTM IN VARIOUS COUNTRIES TO FUEL MARKET

4.2 UNMANNED TRAFFIC MANAGEMENT MARKET, BY SOLUTION TYPE

FIGURE 15 ONGROUND SEGMENT TO ACCOUNT FOR LARGER SHARE IN 2030

4.3 UNMANNED TRAFFIC MANAGEMENT MARKET, BY SOFTWARE TYPE

FIGURE 16 FLIGHT PLANNING, FLEET OPERATION & MANAGEMENT SEGMENT ACCOUNTED FOR LARGEST SHARE IN 2022

4.4 UNMANNED TRAFFIC MANAGEMENT MARKET, BY APPLICATION, 2022

FIGURE 17 AVIATION APPLICATIONS HELD LARGEST MARKET SHARE IN 2022

## 5 MARKET OVERVIEW

## 5.1 INTRODUCTION

## 5.2 MARKET DYNAMICS

### FIGURE 18 UNMANNED TRAFFIC MANAGEMENT MARKET: DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES

#### 5.2.1 DRIVERS

5.2.1.1 Rising adoption of drones in commercial applications

5.2.1.2 Growing development of sensors and remote sensing technology

### FIGURE 19 DECREASING PRICE OF DRONE COMPONENTS (IN USD)

5.2.1.3 Increasing trend of integrating autonomous aerial vehicles into commercial space

5.2.1.4 Growing understanding of digitalization and its role within aviation industry

#### 5.2.2 RESTRAINTS

5.2.2.1 Government regulations

5.2.2.2 High initial infrastructure cost

#### 5.2.3 OPPORTUNITIES

5.2.3.1 Simultaneous localization and mapping

5.2.3.2 UAS service suppliers

5.2.3.3 Drone tracking & remote identification

#### 5.2.4 CHALLENGES

5.2.4.1 Interaction of UTM and ATM

5.2.4.2 Expensive and time-consuming BVLOS operation certification

5.2.4.3 Need for preventing collision between UAS and manned aircraft

## 5.3 UNMANNED TRAFFIC MANAGEMENT MARKET ECOSYSTEM

### 5.3.1 PARTICIPANTS

### 5.3.2 SERVICE AND SUPPORTING INFRASTRUCTURE PROVIDERS

### 5.3.3 SOFTWARE PROVIDERS

### 5.3.4 MISCELLANEOUS

### FIGURE 20 UNMANNED TRAFFIC MANAGEMENT MARKET ECOSYSTEM MAP

### TABLE 3 UTM MARKET ECOSYSTEM

## 5.4 TRENDS/DISRUPTIONS IMPACTING CUSTOMER BUSINESS

### 5.4.1 REVENUE SHIFT AND NEW REVENUE POCKETS FOR UTM MARKET

### FIGURE 21 REVENUE SHIFT IN UTM MARKET

## 5.5 ANALYSIS OF RECESSION IMPACT ON UTM MARKET

## 5.6 TECHNOLOGY ANALYSIS

### 5.6.1 ANTI-UAV DEFENSE SYSTEMS

### 5.6.2 BLOCKCHAIN TECHNOLOGY TO PROTECT CONFIDENTIAL INFORMATION

### 5.6.3 ARTIFICIAL INTELLIGENCE FOR DRONE MONITORING, CONTROLLING, AND TRACKING

- 5.6.4 INTERNET OF THINGS FOR DRONE TRACKING
- 5.7 VALUE CHAIN ANALYSIS OF UNMANNED TRAFFIC MANAGEMENT MARKET
- FIGURE 22 VALUE CHAIN ANALYSIS
- 5.8 PORTER'S FIVE FORCES ANALYSIS
- TABLE 4 UNMANNED TRAFFIC MANAGEMENT MARKET: PORTER'S FIVE FORCES ANALYSIS
- FIGURE 23 UNMANNED TRAFFIC MANAGEMENT MARKET: PORTER'S FIVE FORCES ANALYSIS
- 5.8.1 THREAT OF NEW ENTRANTS
- 5.8.2 BARGAINING POWER OF SUPPLIERS
- 5.8.3 BARGAINING POWER OF BUYERS
- 5.8.4 THREAT OF SUBSTITUTES
- 5.8.5 INTENSITY OF COMPETITIVE RIVALRY
- 5.9 KEY STAKEHOLDERS AND BUYING CRITERIA
- 5.9.1 KEY STAKEHOLDERS IN BUYING PROCESS
- FIGURE 24 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP 3 COMPONENTS
- TABLE 5 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP THREE COMPONENTS (%)
- 5.9.2 BUYING CRITERIA
- FIGURE 25 KEY BUYING CRITERIA FOR TOP 3 COMPONENT
- TABLE 6 KEY BUYING CRITERIA FOR TOP THREE COMPONENTS
- 5.10 KEY CONFERENCES AND EVENTS, 2023
- TABLE 7 UTM MARKET: CONFERENCES AND EVENTS
- 5.11 TRADE DATA ANALYSIS
- TABLE 8 IMPORT AND EXPORT STATISTICS FOR UAVS
- 5.12 TARIFF AND REGULATORY LANDSCAPE
- 5.12.1 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS
- TABLE 9 NORTH AMERICA: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS
- TABLE 10 EUROPE: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS
- TABLE 11 ASIA PACIFIC: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS
- TABLE 12 MIDDLE EAST: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS
- TABLE 13 LATIN AMERICA: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS



**TABLE 14 DRONE REGULATIONS AND APPROVALS FOR COMMERCIAL SECTOR, BY COUNTRY****5.12.2 NORTH AMERICA****5.12.2.1 US****TABLE 15 US: RULES AND GUIDELINES BY FAA FOR OPERATION OF DRONES****5.12.2.2 Canada****TABLE 16 CANADA: RULES AND GUIDELINES FOR OPERATION OF DRONES****5.12.3 EUROPE****5.12.3.1 UK****TABLE 17 UK: RULES AND GUIDELINES BY CAA FOR OPERATION OF DRONES****5.12.3.2 Germany****TABLE 18 GERMANY: RULES AND GUIDELINES FOR OPERATION OF DRONES****5.12.3.3 France****TABLE 19 FRANCE: RULES AND GUIDELINES FOR OPERATION OF DRONES****TABLE 20 UAV REGULATIONS, BY COUNTRY****5.13 OPERATIONAL DATA****FIGURE 26 UNITS OF ENTERPRISE DRONES SHIPPED, 2014–2021 (THOUSAND)****5.14 PRICING ANALYSIS****5.14.1 AVERAGE SELLING PRICE OF UTM OFFERED BY KEY PLAYERS, BY APPLICATION****FIGURE 27 AVERAGE SELLING PRICE OF UTM OFFERED BY KEY PLAYERS FOR TOP THREE COMPONENTS****TABLE 21 AVERAGE SELLING PRICE OF UTM OFFERED BY KEY PLAYERS FOR TOP THREE COMPONENTS (USD)****TABLE 22 AVERAGE SELLING PRICE OF UTM COMPONENTS, 2021–2022****6 INDUSTRY TRENDS****6.1 INTRODUCTION****6.2 UTM DEVELOPMENT AND IMPLEMENTATION BY NASA****FIGURE 28 UAS TRAFFIC MANAGEMENT DEVELOPMENT BY NASA****6.3 FAA UTM DEVELOPMENT AND IMPLEMENTATION****FIGURE 29 FAA UTM DEVELOPMENT AND IMPLEMENTATION****6.4 STAGES OF UTM RESEARCH, DEVELOPMENT, TESTING, AND IMPLEMENTATION****TABLE 23 TENTATIVE KEY ACTIVITIES ASSOCIATED WITH UTM SYSTEMS****6.5 EMERGING TECHNOLOGY TRENDS****6.5.1 ADS-B ENHANCE CONTROL****6.5.2 SOFTWARE-DEFINED NETWORKING**



- 6.5.3 AUGMENTED REALITY
- 6.5.4 5G-ENABLING HIGH-RESOLUTION VIDEOS
- 6.5.5 REMOTE IDENTIFICATION
- 6.5.6 SENSE-AND-AVOID
- 6.5.7 AUTONOMOUS OPERATION
- 6.5.8 INTEGRATION WITH EXISTING AIRSPACE SYSTEMS
- 6.5.9 HUMAN-MACHINE INTERFACE
- 6.6 USE CASE ANALYSIS
  - 6.6.1 UTM SYSTEMS FOR DELIVERY OF MEDICAL SUPPLIES IN REMOTE AREAS
  - TABLE 24 DELIVERY OF MEDICAL SUPPLIES
  - 6.6.2 AERIAL PHOTOGRAPHY AND SURVEILLANCE
  - TABLE 25 AERIAL PHOTOGRAPHY AND SURVEILLANCE
  - 6.6.3 PACKAGE DELIVERY BY DRONES USING UTM SYSTEMS
  - TABLE 26 PACKAGE DELIVERY BY DRONES USING UTM SYSTEMS
  - 6.6.4 AGRICULTURAL MONITORING BY DRONES USING UTM SYSTEMS
  - TABLE 27 AGRICULTURAL MONITORING BY DRONES USING UTM SYSTEMS
  - 6.6.5 EMERGENCY RESPONSE BY DRONES USING UTM SYSTEMS
  - TABLE 28 EMERGENCY RESPONSE BY DRONES USING UTM SYSTEMS
- 6.7 IMPACT OF MEGATRENDS
- 6.8 PATENT ANALYSIS
  - TABLE 29 PATENTS RELATED TO MILITARY DRONES GRANTED BETWEEN MAY 2019 AND SEPTEMBER 2022

## **7 UNMANNED TRAFFIC MANAGEMENT MARKET, BY COMPONENT**

- 7.1 INTRODUCTION
  - FIGURE 30 SERVICES SEGMENT TO WITNESS HIGHEST CAGR IN UNMANNED TRAFFIC MANAGEMENT MARKET FROM 2022 TO 2030
  - TABLE 30 UNMANNED TRAFFIC MANAGEMENT MARKET, BY COMPONENT, 2019–2021 (USD MILLION)
  - TABLE 31 UNMANNED TRAFFIC MANAGEMENT MARKET, BY COMPONENT, 2022–2030 (USD MILLION)
- 7.2 SOLUTIONS
  - TABLE 32 UNMANNED TRAFFIC MANAGEMENT MARKET, BY SOLUTION TYPE, 2019–2021 (USD MILLION)
  - TABLE 33 UNMANNED TRAFFIC MANAGEMENT MARKET, BY SOLUTION TYPE, 2022–2030 (USD MILLION)
  - 7.2.1 ONBOARD SOLUTIONS
    - 7.2.1.1 Sensors

7.2.1.1.1 Growing adoption of detect and avoid sensors in drones to drive market

7.2.1.2 Equipment

7.2.1.2.1 Increasing use of remote Identification for enabling safe and secure airspace to boost market

7.2.2 ONGROUND

7.2.2.1 Communication infrastructure

7.2.2.1.1 Growing use of 5G for ground-based communication network to drive market

7.2.2.2 Navigation infrastructure

7.2.2.2.1 Increasing advancements in navigation solutions for BVLOS drone operations to accelerate market

7.2.2.3 Surveillance infrastructure

7.2.2.3.1 Ability of surveillance infrastructure to accurately position drones for BVLOS to propel market

7.3 SOFTWARE

TABLE 34 UNMANNED TRAFFIC MANAGEMENT MARKET, BY SOFTWARE TYPE, 2019–2021 (USD MILLION)

TABLE 35 UNMANNED TRAFFIC MANAGEMENT MARKET, BY SOFTWARE TYPE, 2022–2030 (USD MILLION)

7.3.1 FLIGHT PLANNING, FLEET OPERATION & MANAGEMENT

7.3.1.1 Reduced cost of operation offered by this software to drive adoption

7.3.2 DATA CAPTURE

7.3.2.1 Ability to track and monitor drone traffic to boost market

7.3.3 OTHERS

7.4 SERVICES

7.4.1 SECURITY SERVICES

7.4.1.1 Increasing need to detect and prevent cyberattacks on drones to propel market

7.4.2 FLIGHT SERVICES

7.4.2.1 Rising need for safe and secure operation of drones in airspace to boost market

7.4.3 INFORMATION SERVICES

7.4.3.1 Growing requirement for supplementary information for efficient drone operation to drive market

## **8 UNMANNED TRAFFIC MANAGEMENT MARKET, BY END-USER**

8.1 INTRODUCTION

FIGURE 31 COMMERCIAL SEGMENT TO ACCOUNT FOR LARGER SIZE OF

*Unmanned Traffic Management (UTM) Market by Component (Solutions, Software, Services), Type ((Persistent, Non-...*

## UNMANNED TRAFFIC MANAGEMENT MARKET IN 2030

TABLE 36 UNMANNED TRAFFIC MANAGEMENT MARKET, BY END-USER, 2019–2021 (USD MILLION)

TABLE 37 UNMANNED TRAFFIC MANAGEMENT MARKET, BY END-USER, 2022–2030 (USD MILLION)

### 8.2 COMMERCIAL

8.2.1 RISING APPLICATIONS OF DRONES IN COMMERCIAL SECTOR TO BOOST MARKET

### 8.3 GOVERNMENT & LAW

8.3.1 INCREASING USE OF DRONES IN BORDER SECURITY OPERATIONS TO DRIVE MARKET

## 9 UNMANNED TRAFFIC MANAGEMENT MARKET, BY TYPE

### 9.1 INTRODUCTION

FIGURE 32 PERSISTENT SEGMENT TO ACCOUNT FOR LARGER SIZE OF UNMANNED TRAFFIC MANAGEMENT MARKET FROM 2022 TO 2030

TABLE 38 UNMANNED TRAFFIC MANAGEMENT MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 39 UNMANNED TRAFFIC MANAGEMENT MARKET, BY TYPE, 2022–2030 (USD MILLION)

### 9.2 PERSISTENT

9.2.1 HIGHER LEVEL OF RELIABILITY AND PREDICTABILITY TO DRIVE MARKET

### 9.3 NON-PERSISTENT

9.3.1 QUICK IMPLEMENTATION AND COST-EFFECTIVENESS TO BOOST MARKET

## 10 UNMANNED TRAFFIC MANAGEMENT MARKET, BY APPLICATION

### 10.1 INTRODUCTION

FIGURE 33 AVIATION SEGMENT TO CONTINUE TO ACCOUNT FOR LARGEST SIZE OF UNMANNED TRAFFIC MANAGEMENT MARKET FROM 2022 TO 2030

TABLE 40 UNMANNED TRAFFIC MANAGEMENT MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 41 UNMANNED TRAFFIC MANAGEMENT MARKET, BY APPLICATION, 2022–2030 (USD MILLION)

### 10.2 AVIATION

10.2.1 INCREASING SAFETY AND EFFICIENT OPERATION OF DRONES NEAR AIRPORTS TO DRIVE MARKET

### 10.3 HOMELAND SECURITY

10.3.1 GROWING USAGE OF DRONES IN SURVEILLANCE ACTIVITIES TO BOOST MARKET

### 10.4 AGRICULTURE

10.4.1 HIGH-QUALITY DRONE DATA TO ENSURE PRODUCTIVITY OF FARMERS TO PROPEL MARKET

### 10.5 LOGISTICS AND TRANSPORTATION

10.5.1 RISING BENEFITS OF DRONE DELIVERY TO ACCELERATE MARKET

### 10.6 OTHERS

## 11 UNMANNED TRAFFIC MANAGEMENT MARKET, BY REGION

### 11.1 INTRODUCTION

### 11.2 REGIONAL RECESSION IMPACT ANALYSIS

TABLE 42 REGIONAL RECESSION IMPACT ANALYSIS

FIGURE 34 NORTH AMERICA HELD LARGEST SHARE OF UNMANNED TRAFFIC MANAGEMENT MARKET IN 2022

TABLE 43 UNMANNED TRAFFIC MANAGEMENT MARKET, BY REGION, 2019–2021 (USD MILLION)

TABLE 44 UNMANNED TRAFFIC MANAGEMENT MARKET, BY REGION, 2022–2030 (USD MILLION)

### 11.3 NORTH AMERICA

#### 11.3.1 PESTLE ANALYSIS

FIGURE 35 NORTH AMERICA: UTM MARKET SNAPSHOT

TABLE 45 NORTH AMERICA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY COUNTRY, 2019–2021 (USD MILLION)

TABLE 46 NORTH AMERICA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY COUNTRY, 2022–2030 (USD MILLION)

TABLE 47 NORTH AMERICA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY COMPONENT, 2019–2021 (USD MILLION)

TABLE 48 NORTH AMERICA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY COMPONENT, 2022–2030 (USD MILLION)

TABLE 49 NORTH AMERICA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY END-USER, 2019–2021 (USD MILLION)

TABLE 50 NORTH AMERICA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY END-USER, 2022–2030 (USD MILLION)

TABLE 51 NORTH AMERICA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 52 NORTH AMERICA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY

TYPE, 2022–2030 (USD MILLION)

TABLE 53 NORTH AMERICA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 54 NORTH AMERICA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY APPLICATION, 2022–2030 (USD MILLION)

### 11.3.2 US

11.3.2.1 Innovations and changes in regulations related to UTM to fuel market

TABLE 55 US: UNMANNED TRAFFIC MANAGEMENT MARKET, BY COMPONENT, 2019–2021 (USD MILLION)

TABLE 56 US: UNMANNED TRAFFIC MANAGEMENT MARKET, BY COMPONENT, 2022–2030 (USD MILLION)

TABLE 57 US: UNMANNED TRAFFIC MANAGEMENT MARKET, BY END-USER, 2019–2021 (USD MILLION)

TABLE 58 US: UNMANNED TRAFFIC MANAGEMENT MARKET, BY END-USER, 2022–2030 (USD MILLION)

TABLE 59 US: UNMANNED TRAFFIC MANAGEMENT MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 60 US: UNMANNED TRAFFIC MANAGEMENT MARKET, BY TYPE, 2022–2030 (USD MILLION)

TABLE 61 US: UNMANNED TRAFFIC MANAGEMENT MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 62 US: UNMANNED TRAFFIC MANAGEMENT MARKET, BY TYPE, 2022–2030 (USD MILLION)

### 11.3.3 CANADA

11.3.3.1 Canadian government's initiative of national RPAS Traffic Management to drive market

TABLE 63 CANADA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY COMPONENT, 2019–2021 (USD MILLION)

TABLE 64 CANADA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY COMPONENT, 2022–2030 (USD MILLION)

TABLE 65 CANADA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY END-USER, 2019–2021 (USD MILLION)

TABLE 66 CANADA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY END-USER, 2022–2030 (USD MILLION)

TABLE 67 CANADA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 68 CANADA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY TYPE, 2022–2030 (USD MILLION)

TABLE 69 CANADA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY

APPLICATION, 2019–2021 (USD MILLION)

TABLE 70 CANADA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY APPLICATION, 2022–2030 (USD MILLION)

## 11.4 EUROPE

### 11.4.1 PESTLE ANALYSIS

FIGURE 36 EUROPE: UTM MARKET SNAPSHOT

TABLE 71 EUROPE: UNMANNED TRAFFIC MANAGEMENT MARKET, BY COUNTRY, 2019–2021 (USD MILLION)

TABLE 72 EUROPE: UNMANNED TRAFFIC MANAGEMENT MARKET, BY COUNTRY, 2022–2030 (USD MILLION)

TABLE 73 EUROPE: UNMANNED TRAFFIC MANAGEMENT MARKET, BY COMPONENT, 2019–2021 (USD MILLION)

TABLE 74 EUROPE: UNMANNED TRAFFIC MANAGEMENT MARKET, BY COMPONENT, 2022–2030 (USD MILLION)

TABLE 75 EUROPE: UNMANNED TRAFFIC MANAGEMENT MARKET, BY END-USER, 2019–2021 (USD MILLION)

TABLE 76 EUROPE: UNMANNED TRAFFIC MANAGEMENT MARKET, BY END-USER, 2022–2030 (USD MILLION)

TABLE 77 EUROPE: UNMANNED TRAFFIC MANAGEMENT MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 78 EUROPE: UNMANNED TRAFFIC MANAGEMENT MARKET, BY TYPE, 2022–2030 (USD MILLION)

TABLE 79 EUROPE: UNMANNED TRAFFIC MANAGEMENT MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 80 EUROPE: UNMANNED TRAFFIC MANAGEMENT MARKET, BY APPLICATION, 2022–2030 (USD MILLION)

### 11.4.2 UK

11.4.2.1 Exponential growth in adoption of drones for commercial applications to fuel market

TABLE 81 UK: UNMANNED TRAFFIC MANAGEMENT MARKET, BY COMPONENT, 2019–2021 (USD MILLION)

TABLE 82 UK: UNMANNED TRAFFIC MANAGEMENT MARKET, BY COMPONENT, 2022–2030 (USD MILLION)

TABLE 83 UK: UNMANNED TRAFFIC MANAGEMENT MARKET, BY END-USER, 2019–2021 (USD MILLION)

TABLE 84 UK: UNMANNED TRAFFIC MANAGEMENT MARKET, BY END-USER, 2022–2030 (USD MILLION)

TABLE 85 UK: UNMANNED TRAFFIC MANAGEMENT MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 86 UK: UNMANNED TRAFFIC MANAGEMENT MARKET, BY TYPE, 2022–2030 (USD MILLION)

TABLE 87 UK: UNMANNED TRAFFIC MANAGEMENT MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 88 UK: UNMANNED TRAFFIC MANAGEMENT MARKET, BY APPLICATION, 2022–2030 (USD MILLION)

#### 11.4.3 FRANCE

11.4.3.1 Commencement of UTM testing to boost market

TABLE 89 FRANCE: UNMANNED TRAFFIC MANAGEMENT MARKET, BY COMPONENT, 2019–2021 (USD MILLION)

TABLE 90 FRANCE: UNMANNED TRAFFIC MANAGEMENT MARKET, BY COMPONENT, 2022–2030 (USD MILLION)

TABLE 91 FRANCE: UNMANNED TRAFFIC MANAGEMENT MARKET, BY END-USER, 2019–2021 (USD MILLION)

TABLE 92 FRANCE: UNMANNED TRAFFIC MANAGEMENT MARKET, BY END-USER, 2022–2030 (USD MILLION)

TABLE 93 FRANCE: UNMANNED TRAFFIC MANAGEMENT MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 94 FRANCE: UNMANNED TRAFFIC MANAGEMENT MARKET, BY TYPE, 2022–2030 (USD MILLION)

TABLE 95 FRANCE: UNMANNED TRAFFIC MANAGEMENT MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 96 FRANCE: UNMANNED TRAFFIC MANAGEMENT MARKET, BY APPLICATION, 2022–2030 (USD MILLION)

#### 11.4.4 GERMANY

11.4.4.1 Launch of country-wide digital platform for UAVs to drive market

TABLE 97 GERMANY: UNMANNED TRAFFIC MANAGEMENT MARKET, BY COMPONENT, 2019–2021 (USD MILLION)

TABLE 98 GERMANY: UNMANNED TRAFFIC MANAGEMENT MARKET, BY COMPONENT, 2022–2030 (USD MILLION)

TABLE 99 GERMANY: UNMANNED TRAFFIC MANAGEMENT MARKET, BY END-USER, 2019–2021 (USD MILLION)

TABLE 100 GERMANY: UNMANNED TRAFFIC MANAGEMENT MARKET, BY END-USER, 2022–2030 (USD MILLION)

TABLE 101 GERMANY: UNMANNED TRAFFIC MANAGEMENT MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 102 GERMANY: UNMANNED TRAFFIC MANAGEMENT MARKET, BY TYPE, 2022–2030 (USD MILLION)

TABLE 103 GERMANY: UNMANNED TRAFFIC MANAGEMENT MARKET, BY



APPLICATION, 2019–2021 (USD MILLION)

TABLE 104 GERMANY: UNMANNED TRAFFIC MANAGEMENT MARKET, BY APPLICATION, 2022–2030 (USD MILLION)

#### 11.4.5 SWITZERLAND

11.4.5.1 Growing development in UTM to propel market

TABLE 105 SWITZERLAND: UNMANNED TRAFFIC MANAGEMENT MARKET, BY COMPONENT, 2019–2021 (USD MILLION)

TABLE 106 SWITZERLAND: UNMANNED TRAFFIC MANAGEMENT MARKET, BY COMPONENT, 2022–2030 (USD MILLION)

TABLE 107 SWITZERLAND: UNMANNED TRAFFIC MANAGEMENT MARKET, BY END-USER, 2019–2021 (USD MILLION)

TABLE 108 SWITZERLAND: UNMANNED TRAFFIC MANAGEMENT MARKET, BY END-USER, 2022–2030 (USD MILLION)

TABLE 109 SWITZERLAND: UNMANNED TRAFFIC MANAGEMENT MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 110 SWITZERLAND: UNMANNED TRAFFIC MANAGEMENT MARKET, BY TYPE, 2022–2030 (USD MILLION)

TABLE 111 SWITZERLAND: UNMANNED TRAFFIC MANAGEMENT MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 112 SWITZERLAND: UNMANNED TRAFFIC MANAGEMENT MARKET, BY APPLICATION, 2022–2030 (USD MILLION)

#### 11.4.6 NORWAY

11.4.6.1 Increasing government initiatives to propel tech economy to boost safe adoption of drones

TABLE 113 NORWAY: UNMANNED TRAFFIC MANAGEMENT MARKET, BY COMPONENT, 2019–2021 (USD MILLION)

TABLE 114 NORWAY: UNMANNED TRAFFIC MANAGEMENT MARKET, BY COMPONENT, 2022–2030 (USD MILLION)

TABLE 115 NORWAY: UNMANNED TRAFFIC MANAGEMENT MARKET, BY END-USER, 2019–2021 (USD MILLION)

TABLE 116 NORWAY: UNMANNED TRAFFIC MANAGEMENT MARKET, BY END-USER, 2022–2030 (USD MILLION)

TABLE 117 NORWAY: UNMANNED TRAFFIC MANAGEMENT MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 118 NORWAY: UNMANNED TRAFFIC MANAGEMENT MARKET, BY TYPE, 2022–2030 (USD MILLION)

TABLE 119 NORWAY: UNMANNED TRAFFIC MANAGEMENT MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 120 NORWAY: UNMANNED TRAFFIC MANAGEMENT MARKET, BY

**APPLICATION, 2022–2030 (USD MILLION)****11.4.7 NETHERLANDS****11.4.7.1 Launch of Dutch Drone Delta consortium to propel development of UTM****TABLE 121 NETHERLANDS: UNMANNED TRAFFIC MANAGEMENT MARKET, BY COMPONENT, 2019–2021 (USD MILLION)****TABLE 122 NETHERLANDS: UNMANNED TRAFFIC MANAGEMENT MARKET, BY COMPONENT, 2022–2030 (USD MILLION)****TABLE 123 NETHERLANDS: UNMANNED TRAFFIC MANAGEMENT MARKET, BY END-USER, 2019–2021 (USD MILLION)****TABLE 124 NETHERLANDS: UNMANNED TRAFFIC MANAGEMENT MARKET, BY END-USER, 2022–2030 (USD MILLION)****TABLE 125 NETHERLANDS: UNMANNED TRAFFIC MANAGEMENT MARKET, BY TYPE, 2019–2021 (USD MILLION)****TABLE 126 NETHERLANDS: UNMANNED TRAFFIC MANAGEMENT MARKET, BY TYPE, 2022–2030 (USD MILLION)****TABLE 127 NETHERLANDS: UNMANNED TRAFFIC MANAGEMENT MARKET, BY APPLICATION, 2019–2021 (USD MILLION)****TABLE 128 NETHERLANDS: UNMANNED TRAFFIC MANAGEMENT MARKET, BY APPLICATION, 2022–2030 (USD MILLION)****11.5 ASIA PACIFIC****11.5.1 PESTLE ANALYSIS****FIGURE 37 ASIA PACIFIC: UNMANNED TRAFFIC MANAGEMENT MARKET SNAPSHOT****TABLE 129 ASIA PACIFIC: UNMANNED TRAFFIC MANAGEMENT MARKET, BY COUNTRY, 2019–2021 (USD MILLION)****TABLE 130 ASIA PACIFIC: UNMANNED TRAFFIC MANAGEMENT MARKET, BY COUNTRY, 2022–2030 (USD MILLION)****TABLE 131 ASIA PACIFIC: UNMANNED TRAFFIC MANAGEMENT MARKET, BY COMPONENT, 2019–2021 (USD MILLION)****TABLE 132 ASIA PACIFIC: UNMANNED TRAFFIC MANAGEMENT MARKET, BY COMPONENT, 2022–2030 (USD MILLION)****TABLE 133 ASIA PACIFIC: UNMANNED TRAFFIC MANAGEMENT MARKET, BY END-USER, 2019–2021 (USD MILLION)****TABLE 134 ASIA PACIFIC: UNMANNED TRAFFIC MANAGEMENT MARKET, BY END-USER, 2022–2030 (USD MILLION)****TABLE 135 ASIA PACIFIC: UNMANNED TRAFFIC MANAGEMENT MARKET, BY TYPE, 2019–2021 (USD MILLION)****TABLE 136 ASIA PACIFIC: UNMANNED TRAFFIC MANAGEMENT MARKET, BY TYPE, 2022–2030 (USD MILLION)**

TABLE 137 ASIA PACIFIC: UNMANNED TRAFFIC MANAGEMENT MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 138 ASIA PACIFIC: UNMANNED TRAFFIC MANAGEMENT MARKET, BY APPLICATION, 2022–2030 (USD MILLION)

#### 11.5.2 CHINA

11.5.2.1 Increasing applicability of unmanned aerial vehicles to drive market

TABLE 139 CHINA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY COMPONENT, 2019–2021 (USD MILLION)

TABLE 140 CHINA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY COMPONENT, 2022–2030 (USD MILLION)

TABLE 141 CHINA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY END-USER, 2019–2021 (USD MILLION)

TABLE 142 CHINA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY END-USER, 2022–2030 (USD MILLION)

TABLE 143 CHINA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 144 CHINA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY TYPE, 2022–2030 (USD MILLION)

TABLE 145 CHINA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 146 CHINA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY APPLICATION, 2022–2030 (USD MILLION)

#### 11.5.3 INDIA

11.5.3.1 Rising government initiatives on UAS traffic management policies to boost market

TABLE 147 INDIA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY COMPONENT, 2019–2021 (USD MILLION)

TABLE 148 INDIA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY COMPONENT, 2022–2030 (USD MILLION)

TABLE 149 INDIA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY END-USER, 2019–2021 (USD MILLION)

TABLE 150 INDIA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY END-USER, 2022–2030 (USD MILLION)

TABLE 151 INDIA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 152 INDIA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY TYPE, 2022–2030 (USD MILLION)

TABLE 153 INDIA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 154 INDIA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY APPLICATION, 2022–2030 (USD MILLION)

#### 11.5.4 JAPAN

11.5.4.1 Growing procurement of UAVs to propel market

TABLE 155 JAPAN: UNMANNED TRAFFIC MANAGEMENT MARKET, BY COMPONENT, 2019–2021 (USD MILLION)

TABLE 156 JAPAN: UNMANNED TRAFFIC MANAGEMENT MARKET, BY COMPONENT, 2022–2030 (USD MILLION)

TABLE 157 JAPAN: UNMANNED TRAFFIC MANAGEMENT MARKET, BY END-USER, 2019–2021 (USD MILLION)

TABLE 158 JAPAN: UNMANNED TRAFFIC MANAGEMENT MARKET, BY END-USER, 2022–2030 (USD MILLION)

TABLE 159 JAPAN: UNMANNED TRAFFIC MANAGEMENT MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 160 JAPAN: UNMANNED TRAFFIC MANAGEMENT MARKET, BY TYPE, 2022–2030 (USD MILLION)

TABLE 161 JAPAN: UNMANNED TRAFFIC MANAGEMENT MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 162 JAPAN: UNMANNED TRAFFIC MANAGEMENT MARKET, BY APPLICATION, 2022–2030 (USD MILLION)

#### 11.5.5 AUSTRALIA

11.5.5.1 Increasing beyond visual line of sight trials for medical delivery to accelerate market

TABLE 163 AUSTRALIA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY COMPONENT, 2019–2021 (USD MILLION)

TABLE 164 AUSTRALIA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY COMPONENT, 2022–2030 (USD MILLION)

TABLE 165 AUSTRALIA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY END-USER, 2019–2021 (USD MILLION)

TABLE 166 AUSTRALIA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY END-USER, 2022–2030 (USD MILLION)

TABLE 167 AUSTRALIA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 168 AUSTRALIA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY TYPE, 2022–2030 (USD MILLION)

TABLE 169 AUSTRALIA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 170 AUSTRALIA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY APPLICATION, 2022–2030 (USD MILLION)

## 11.5.6 SOUTH KOREA

11.5.6.1 Increasing integration of drones in commercial airspace to boost market

TABLE 171 SOUTH KOREA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY COMPONENT, 2019–2021 (USD MILLION)

TABLE 172 SOUTH KOREA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY COMPONENT, 2022–2030 (USD MILLION)

TABLE 173 SOUTH KOREA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY END-USER, 2019–2021 (USD MILLION)

TABLE 174 SOUTH KOREA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY END-USER, 2022–2030 (USD MILLION)

TABLE 175 SOUTH KOREA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 176 SOUTH KOREA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY TYPE, 2022–2030 (USD MILLION)

TABLE 177 SOUTH KOREA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 178 SOUTH KOREA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY APPLICATION, 2022–2030 (USD MILLION)

## 11.6 ROW

### 11.6.1 PESTLE ANALYSIS

TABLE 179 ROW: UNMANNED TRAFFIC MANAGEMENT MARKET, BY REGION, 2019–2021 (USD MILLION)

TABLE 180 ROW: UNMANNED TRAFFIC MANAGEMENT MARKET, BY COUNTRY, 2022–2030 (USD MILLION)

TABLE 181 ROW: UNMANNED TRAFFIC MANAGEMENT MARKET, BY COMPONENT, 2019–2021 (USD MILLION)

TABLE 182 ROW: UNMANNED TRAFFIC MANAGEMENT MARKET, BY COMPONENT, 2022–2030 (USD MILLION)

TABLE 183 ROW: UNMANNED TRAFFIC MANAGEMENT MARKET, BY END-USER, 2019–2021 (USD MILLION)

TABLE 184 ROW: UNMANNED TRAFFIC MANAGEMENT MARKET, BY END-USER, 2022–2030 (USD MILLION)

TABLE 185 ROW: UNMANNED TRAFFIC MANAGEMENT MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 186 ROW: UNMANNED TRAFFIC MANAGEMENT MARKET, BY TYPE, 2022–2030 (USD MILLION)

TABLE 187 ROW: UNMANNED TRAFFIC MANAGEMENT MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 188 ROW: UNMANNED TRAFFIC MANAGEMENT MARKET, BY

**APPLICATION, 2022–2030 (USD MILLION)****11.6.2 MIDDLE EAST AND AFRICA**

11.6.2.1 Growing focus of aviation authorities in Africa on developing UTM systems to drive market

TABLE 189 MIDDLE EAST AND AFRICA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY COMPONENT, 2019–2021 (USD MILLION)

TABLE 190 MIDDLE EAST AND AFRICA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY COMPONENT, 2022–2030 (USD MILLION)

TABLE 191 MIDDLE EAST AND AFRICA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY END-USER, 2019–2021 (USD MILLION)

TABLE 192 MIDDLE EAST AND AFRICA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY END-USER, 2022–2030 (USD MILLION)

TABLE 193 MIDDLE EAST AND AFRICA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 194 MIDDLE EAST AND AFRICA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY TYPE, 2022–2030 (USD MILLION)

TABLE 195 MIDDLE EAST AND AFRICA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 196 MIDDLE EAST AND AFRICA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY APPLICATION, 2022–2030 (USD MILLION)

**11.6.3 LATIN AMERICA**

11.6.3.1 Increasing investments by authorities to develop UTM to boost market

TABLE 197 LATIN AMERICA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY COMPONENT, 2019–2021 (USD MILLION)

TABLE 198 LATIN AMERICA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY COMPONENT, 2022–2030 (USD MILLION)

TABLE 199 LATIN AMERICA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY END-USER, 2019–2021 (USD MILLION)

TABLE 200 LATIN AMERICA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY END-USER, 2022–2030 (USD MILLION)

TABLE 201 LATIN AMERICA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 202 LATIN AMERICA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY TYPE, 2022–2030 (USD MILLION)

TABLE 203 LATIN AMERICA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 204 LATIN AMERICA: UNMANNED TRAFFIC MANAGEMENT MARKET, BY APPLICATION, 2022–2030 (USD MILLION)



## 12 COMPETITIVE LANDSCAPE

### 12.1 INTRODUCTION

### 12.2 COMPANY OVERVIEW

TABLE 205 KEY DEVELOPMENTS BY LEADING PLAYERS IN UNMANNED TRAFFIC MANAGEMENT MARKET (2019–2021)

### 12.3 RANKING ANALYSIS OF KEY PLAYERS IN UNMANNED TRAFFIC MANAGEMENT MARKET, 2021

FIGURE 38 RANKING OF KEY PLAYERS IN UNMANNED TRAFFIC MANAGEMENT MARKET, 2021

### 12.4 REVENUE ANALYSIS, 2021

FIGURE 39 REVENUE ANALYSIS FOR KEY COMPANIES IN UNMANNED TRAFFIC MANAGEMENT MARKET, 2021

### 12.5 MARKET SHARE ANALYSIS, 2021

FIGURE 40 MARKET SHARE ANALYSIS FOR KEY COMPANIES IN UNMANNED TRAFFIC MANAGEMENT MARKET, 2021

TABLE 206 UNMANNED TRAFFIC MANAGEMENT MARKET: DEGREE OF COMPETITION

### 12.6 COMPETITIVE EVALUATION QUADRANT

#### 12.6.1 STARS

#### 12.6.2 EMERGING LEADERS

#### 12.6.3 PERVASIVE COMPANIES

#### 12.6.4 PARTICIPANTS

FIGURE 41 MARKET COMPETITIVE LEADERSHIP MAPPING, 2021

### 12.7 STARTUP/SME EVALUATION QUADRANT

#### 12.7.1 PROGRESSIVE COMPANIES

#### 12.7.2 RESPONSIVE COMPANIES

#### 12.7.3 STARTING BLOCKS

#### 12.7.4 DYNAMIC COMPANIES

FIGURE 42 UNMANNED TRAFFIC MANAGEMENT MARKET (STARTUP/SME) COMPETITIVE LEADERSHIP MAPPING, 2021

#### 12.7.5 COMPETITIVE BENCHMARKING

TABLE 207 UNMANNED TRAFFIC MANAGEMENT MARKET: DETAILED LIST OF KEY STARTUPS/SMES

TABLE 208 UNMANNED TRAFFIC MANAGEMENT MARKET: COMPETITIVE BENCHMARKING OF KEY PLAYERS [STARTUPS/SMES]

TABLE 209 UNMANNED TRAFFIC MANAGEMENT MARKET: COMPETITIVE BENCHMARKING OF KEY PLAYERS [MAJOR PLAYERS]

### 12.8 COMPETITIVE SCENARIO



### 12.8.1 MARKET EVALUATION FRAMEWORK

### 12.8.2 PRODUCT LAUNCHES AND DEVELOPMENT

TABLE 210 PRODUCT LAUNCHES, JUNE 2021–DECEMBER 2022

### 12.8.3 DEALS

TABLE 211 DEALS, MARCH 2019–DECEMBER 2022

### 12.8.4 OTHERS

TABLE 212 OTHERS, NOVEMBER 2019–DECEMBER 2022

## **13 COMPANY PROFILES**

### 13.1 INTRODUCTION

### 13.2 KEY PLAYERS

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

#### 13.2.1 ALTITUDE ANGEL

TABLE 213 ALTITUDE ANGEL: BUSINESS OVERVIEW

TABLE 214 ALTITUDE ANGEL: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 215 ALTITUDE ANGEL: DEALS

TABLE 216 ALTITUDE ANGEL: OTHERS

#### 13.2.2 THALES GROUP

TABLE 217 THALES GROUP: BUSINESS OVERVIEW

FIGURE 43 THALES GROUP: COMPANY SNAPSHOT

TABLE 218 THALES GROUP: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 219 THALES GROUP.: DEALS

TABLE 220 THALES GROUP: OTHERS

#### 13.2.3 AIRMAP, INC

TABLE 221 AIRMAP, INC: BUSINESS OVERVIEW

TABLE 222 AIRMAP, INC: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 223 AIRMAP, INC: DEALS

#### 13.2.4 AIRBUS

TABLE 224 AIRBUS: BUSINESS OVERVIEW

FIGURE 44 AIRBUS: COMPANY SNAPSHOT

TABLE 225 AIRBUS: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 226 AIRBUS: PRODUCT LAUNCHES

TABLE 227 AIRBUS: DEALS

TABLE 228 AIRBUS: OTHERS

#### 13.2.5 ANRA TECHNOLOGIES

TABLE 229 ANRA TECHNOLOGIES: BUSINESS OVERVIEW

TABLE 230 ANRA TECHNOLOGIES: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 231 ANRA TECHNOLOGIES.: DEALS

TABLE 232 ANRA TECHNOLOGIES: OTHERS

#### 13.2.6 LEONARDO S.P.A

TABLE 233 LEONARDO S.P.A.: BUSINESS OVERVIEW

FIGURE 45 LEONARDO S.P.A.: COMPANY SNAPSHOT

TABLE 234 LEONARDO S.P.A: PRODUCTS/SOLUTIONS/SERVICES OFFERED

#### 13.2.7 HONEYWELL INTERNATIONAL INC.

TABLE 235 HONEYWELL INTERNATIONAL INC.: BUSINESS OVERVIEW

FIGURE 46 HONEYWELL INTERNATIONAL INC.: COMPANY SNAPSHOT

TABLE 236 HONEYWELL INTERNATIONAL INC.:

PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 237 HONEYWELL INTERNATIONAL INC.: PRODUCT LAUNCHES

TABLE 238 HONEYWELL INTERNATIONAL INC.: OTHERS

#### 13.2.8 DJI

TABLE 239 DJI: BUSINESS OVERVIEW

TABLE 240 DJI: PRODUCTS/SOLUTIONS/SERVICES OFFERED

#### 13.2.9 ALPHABET INC.

TABLE 241 ALPHABET INC.: BUSINESS OVERVIEW

FIGURE 47 ALPHABET, INC.: COMPANY SNAPSHOT

TABLE 242 ALPHABET, INC.: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 243 ALPHABET, INC.: PRODUCT LAUNCHES

TABLE 244 ALPHABET, INC.: DEALS

TABLE 245 ALPHABET, INC.: OTHERS

#### 13.2.10 UNIFLY

TABLE 246 UNIFLY: BUSINESS OVERVIEW

TABLE 247 UNIFLY: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 248 UNIFLY: PRODUCT LAUNCHES

TABLE 249 UNIFLY: DEALS

TABLE 250 UNIFLY: OTHERS

#### 13.2.11 FREQUENTIS AG

TABLE 251 FREQUENTIS AG: BUSINESS OVERVIEW

FIGURE 48 FREQUENTIS AG: COMPANY SNAPSHOT

TABLE 252 FREQUENTIS AG: PRODUCTS

TABLE 253 FREQUENTIS AG: DEALS

TABLE 254 FREQUENTIS AG: OTHERS

#### 13.2.12 L3HARRIS TECHNOLOGIES, INC.

TABLE 255 L3HARRIS TECHNOLOGIES, INC.: BUSINESS OVERVIEW

FIGURE 49 L3HARRIS TECHNOLOGIES, INC.: COMPANY SNAPSHOT

TABLE 256 L3HARRIS TECHNOLOGIES, INC.: PRODUCTS

TABLE 257 L3HARRIS TECHNOLOGIES, INC.: DEALS

13.2.13 ONESKY

TABLE 258 ONESKY: BUSINESS OVERVIEW

TABLE 259 ONESKY: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 260 ONESKY: DEALS

TABLE 261 ONESKY: OTHERS

13.2.14 PRECISIONHAWK, INC.

TABLE 262 PRECISIONHAWK, INC.: BUSINESS OVERVIEW

TABLE 263 PRECISIONHAWK, INC.: PRODUCTS/SERVICES OFFERED

TABLE 264 PRECISIONHAWK, INC.: DEALS

TABLE 265 PRECISIONHAWK, INC.: OTHERS

13.2.15 RAYTHEON TECHNOLOGIES CORPORATION

TABLE 266 RAYTHEON TECHNOLOGIES CORPORATION: BUSINESS OVERVIEW

FIGURE 50 RAYTHEON TECHNOLOGIES CORPORATION.: COMPANY SNAPSHOT

TABLE 267 RAYTHEON TECHNOLOGIES CORPORATION:  
PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 268 RAYTHEON TECHNOLOGIES CORPORATION.: DEALS

TABLE 269 RAYTHEON TECHNOLOGIES CORPORATION: OTHERS

\*Business Overview, Products/Services/Solutions Offered, MnM View, Key Strengths and Right to Win, Strategic Choices Made, Weaknesses and Competitive Threats, Recent Developments might not be captured in case of unlisted companies.

13.3 OTHER PLAYERS

13.3.1 ALOFT TECHNOLOGIES, INC.

TABLE 270 ALOFT TECHNOLOGIES, INC.: COMPANY OVERVIEW

13.3.2 DRONEDEPLOY INC.

TABLE 271 DRONEDEPLOY INC.: COMPANY OVERVIEW

13.3.3 NOVA SYSTEMS

TABLE 272 NOVA SYSTEMS: COMPANY OVERVIEW

13.3.4 SENSEFLY LTD

TABLE 273 SENSEFLY LTD: COMPANY OVERVIEW

13.3.5 AIRSPACE LINK INC

TABLE 274 AIRSPACE LINK INC: COMPANY OVERVIEW

13.3.6 EMESENT

TABLE 275 EMESENT: COMPANY OVERVIEW

13.3.7 PIX4D

TABLE 276 PIX4D.: COMPANY OVERVIEW

13.3.8 ESRI

TABLE 277 ESRI.: COMPANY OVERVIEW

13.3.9 AVISION, INC.

TABLE 278 AVISION, INC.: COMPANY OVERVIEW

13.3.10 SKYDIO, INC.

TABLE 279 SKYDIO, INC.: COMPANY OVERVIEW

## **14 APPENDIX**

14.1 DISCUSSION GUIDE

14.2 KNOWLEDGESTORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL

14.3 CUSTOMIZATION OPTIONS

14.4 RELATED REPORTS

14.5 AUTHOR DETAILS

## I would like to order

Product name: Unmanned Traffic Management (UTM) Market by Component (Solutions, Software, Services), Type ((Persistent, Non-Persistent), End-User , Application (Aviation, Homeland Security, Agriculture, Logistics & Transportation) and Region - Global Forecast to 2030

Product link: <https://marketpublishers.com/r/U33F2FE74FBEN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/U33F2FE74FBEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970