

Autonomous Last Mile Delivery Market Report by Platform (Aerial Delivery Drones, Ground Delivery Vehicles), Solution (Hardware, Software, Services), Range (Short Range (20 Km)), Application (Logistics, Healthcare and Pharmaceutical, Food and Beverage, Retail, and Others), and Region 2024-2032

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Abstracts

The global autonomous last mile delivery market size reached US\$ 18.5 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 88.9 Billion by 2032, exhibiting a growth rate (CAGR) of 18.7% during 2024-2032.

Autonomous last mile delivery refers to the last phase of courier and parcel, wherein various computerized aerial and ground vehicles are used for supplying products and services at doorstep of the customer. It aids in ensuring smooth, last-mile delivery within the stipulated time without hampering the market image of the company, while eliminating human intervention, planning logistics, and monitoring the movement of goods from transport hub to destination. On account of these properties, autonomous last mile delivery is extensively used in parcel tracking, warehouses and distribution channels. At present, it is commercially categorized into varying ranges, solutions, and vehicle types, including aerial delivery drones, ground bots, and self-driving trucks and vans.

Autonomous Last Mile Delivery Market Trends:

The widespread adoption of autonomous last mile delivery solutions across various industrial verticals can be attributed to the increasing need for efficient delivery solutions to ensure a faster supply of products amongst consumers. This represents the key factor primarily driving the market growth. Additionally, the sudden outbreak of coronavirus disease (COVID-19) pandemic and the consequent implementation of mandatory lockdowns across the globe have prompted the widespread utilization of online shopping platforms for shipping of daily necessities. This, in turn, is facilitating the extensive uptake of various autonomous last mile delivery solutions for delivering goods at doorsteps, while mitigating face-to-face contact amongst individuals during the pandemic, which is acting as another major growth-inducing factor. In line with this, significant technological advancements, such as the integration of artificial intelligence (AI) and machine learning (ML) platforms with robots and drones to perform smart tracking, optimize the route, enable around clock delivery, enable smooth delivery in challenging geographies, and promote fuel efficiencies are contributing to the market. Other factors, such as significant expansion in the e-commerce industry and strategic collaborations amongst key players to introduce advanced delivery solutions to meet the rising consumer demand for fast delivery of packages and the changing dynamics of urban commercial deliveries, are creating a positive outlook for the market.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global autonomous last mile delivery market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on platform, solution, range and application.

Breakup by Platform:

- Aerial Delivery Drones
 - Cargo Drone
 - Delivery Drone
- Ground Delivery Vehicles
- Delivery Robots
- Autonomous and Self-Driving Vans and Trucks

Breakup by Solution:

- Hardware
- Software
- Services

Breakup by Range:

Short Range (Long Range (> 20 Km))

Breakup by Application:

Logistics
Healthcare and Pharmaceutical
Food and Beverage
Retail
Others

Breakup by Region:

North America
United States
Canada
Asia-Pacific
China
Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Amazon.com Inc., Continental AG, DHL (Deutsche Post AG), DPDgroup (La Poste), Drone Delivery Canada, Flytrex Inc., Matternet, Relay Robotics Inc., Robby Technologies Inc., SkyDrop, ST Engineering Aethon Inc., Starship Technologies and Udelv Inc.

Key Questions Answered in This Report

1. What was the size of the global autonomous last mile delivery market in 2023?
2. What is the expected growth rate of the global autonomous last mile delivery market during 2024-2032?
3. What are the key factors driving the global autonomous last mile delivery market?
4. What has been the impact of COVID-19 on the global autonomous last mile delivery market?
5. What is the breakup of the global autonomous last mile delivery market based on the platform?
6. What is the breakup of the global autonomous last mile delivery market based on the solution?
7. What is the breakup of the global autonomous last mile delivery market based on the range?
8. What is the breakup of the global autonomous last mile delivery market based on the application?
9. What are the key regions in the global autonomous last mile delivery market?
10. Who are the key players/companies in the global autonomous last mile delivery market?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL AUTONOMOUS LAST MILE DELIVERY MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

6 MARKET BREAKUP BY PLATFORM

- 6.1 Aerial Delivery Drones
 - 6.1.1 Market Trends
 - 6.1.2 Key Segments
 - 6.1.2.1 Cargo Drone
 - 6.1.2.2 Delivery Drone
 - 6.1.3 Market Forecast
- 6.2 Ground Delivery Vehicles

- 6.2.1 Market Trends
- 6.2.2 Key Segments
 - 6.2.2.1 Delivery Robots
 - 6.2.2.2 Autonomous and Self-Driving Vans and Trucks
- 6.2.3 Market Forecast

7 MARKET BREAKUP BY SOLUTION

- 7.1 Hardware
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
- 7.2 Software
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast
- 7.3 Services
 - 7.3.1 Market Trends
 - 7.3.2 Market Forecast

8 MARKET BREAKUP BY RANGE

- 8.1 Short Range (8.1.1 Market Trends
 - 8.1.2 Market Forecast
- 8.2 Long Range (> 20 Km)
 - 8.2.1 Market Trends
 - 8.2.2 Market Forecast

9 MARKET BREAKUP BY APPLICATION

- 9.1 Logistics
 - 9.1.1 Market Trends
 - 9.1.2 Market Forecast
- 9.2 Healthcare and Pharmaceutical
 - 9.2.1 Market Trends
 - 9.2.2 Market Forecast
- 9.3 Food and Beverage
 - 9.3.1 Market Trends
 - 9.3.2 Market Forecast
- 9.4 Retail
 - 9.4.1 Market Trends

9.4.2 Market Forecast

9.5 Others

9.5.1 Market Trends

9.5.2 Market Forecast

10 MARKET BREAKUP BY REGION

10.1 North America

10.1.1 United States

10.1.1.1 Market Trends

10.1.1.2 Market Forecast

10.1.2 Canada

10.1.2.1 Market Trends

10.1.2.2 Market Forecast

10.2 Asia-Pacific

10.2.1 China

10.2.1.1 Market Trends

10.2.1.2 Market Forecast

10.2.2 Japan

10.2.2.1 Market Trends

10.2.2.2 Market Forecast

10.2.3 India

10.2.3.1 Market Trends

10.2.3.2 Market Forecast

10.2.4 South Korea

10.2.4.1 Market Trends

10.2.4.2 Market Forecast

10.2.5 Australia

10.2.5.1 Market Trends

10.2.5.2 Market Forecast

10.2.6 Indonesia

10.2.6.1 Market Trends

10.2.6.2 Market Forecast

10.2.7 Others

10.2.7.1 Market Trends

10.2.7.2 Market Forecast

10.3 Europe

10.3.1 Germany

10.3.1.1 Market Trends

- 10.3.1.2 Market Forecast
- 10.3.2 France
 - 10.3.2.1 Market Trends
 - 10.3.2.2 Market Forecast
- 10.3.3 United Kingdom
 - 10.3.3.1 Market Trends
 - 10.3.3.2 Market Forecast
- 10.3.4 Italy
 - 10.3.4.1 Market Trends
 - 10.3.4.2 Market Forecast
- 10.3.5 Spain
 - 10.3.5.1 Market Trends
 - 10.3.5.2 Market Forecast
- 10.3.6 Russia
 - 10.3.6.1 Market Trends
 - 10.3.6.2 Market Forecast
- 10.3.7 Others
 - 10.3.7.1 Market Trends
 - 10.3.7.2 Market Forecast
- 10.4 Latin America
 - 10.4.1 Brazil
 - 10.4.1.1 Market Trends
 - 10.4.1.2 Market Forecast
 - 10.4.2 Mexico
 - 10.4.2.1 Market Trends
 - 10.4.2.2 Market Forecast
 - 10.4.3 Others
 - 10.4.3.1 Market Trends
 - 10.4.3.2 Market Forecast
- 10.5 Middle East and Africa
 - 10.5.1 Market Trends
 - 10.5.2 Market Breakup by Country
 - 10.5.3 Market Forecast

11 SWOT ANALYSIS

- 11.1 Overview
- 11.2 Strengths
- 11.3 Weaknesses

11.4 Opportunities

11.5 Threats

12 VALUE CHAIN ANALYSIS

13 PORTERS FIVE FORCES ANALYSIS

13.1 Overview

13.2 Bargaining Power of Buyers

13.3 Bargaining Power of Suppliers

13.4 Degree of Competition

13.5 Threat of New Entrants

13.6 Threat of Substitutes

14 PRICE ANALYSIS

15 COMPETITIVE LANDSCAPE

15.1 Market Structure

15.2 Key Players

15.3 Profiles of Key Players

15.3.1 Amazon.com Inc.

15.3.1.1 Company Overview

15.3.1.2 Product Portfolio

15.3.1.3 Financials

15.3.1.4 SWOT Analysis

15.3.2 Continental AG

15.3.2.1 Company Overview

15.3.2.2 Product Portfolio

15.3.2.3 Financials

15.3.2.4 SWOT Analysis

15.3.3 DHL (Deutsche Post AG)

15.3.3.1 Company Overview

15.3.3.2 Product Portfolio

15.3.4 DPDgroup (La Poste)

15.3.4.1 Company Overview

15.3.4.2 Product Portfolio

15.3.5 Drone Delivery Canada

15.3.5.1 Company Overview

- 15.3.5.2 Product Portfolio
- 15.3.6 Flytrex Inc.
 - 15.3.6.1 Company Overview
 - 15.3.6.2 Product Portfolio
- 15.3.7 Matternet
 - 15.3.7.1 Company Overview
 - 15.3.7.2 Product Portfolio
- 15.3.8 Relay Robotics Inc.
 - 15.3.8.1 Company Overview
 - 15.3.8.2 Product Portfolio
- 15.3.9 Robby Technologies Inc.
 - 15.3.9.1 Company Overview
 - 15.3.9.2 Product Portfolio
- 15.3.10 SkyDrop
 - 15.3.10.1 Company Overview
 - 15.3.10.2 Product Portfolio
- 15.3.11 ST Engineering Aethon Inc.
 - 15.3.11.1 Company Overview
 - 15.3.11.2 Product Portfolio
- 15.3.12 Starship Technologies
 - 15.3.12.1 Company Overview
 - 15.3.12.2 Product Portfolio
- 15.3.13 Udelv Inc.
 - 15.3.13.1 Company Overview
 - 15.3.13.2 Product Portfolio

List Of Tables

LIST OF TABLES

Table 1: Global: Autonomous Last Mile Delivery Market: Key Industry Highlights, 2023 and 2032

Table 2: Global: Autonomous Last Mile Delivery Market Forecast: Breakup by Platform (in Million US\$), 2024-2032

Table 3: Global: Autonomous Last Mile Delivery Market Forecast: Breakup by Solution (in Million US\$), 2024-2032

Table 4: Global: Autonomous Last Mile Delivery Market Forecast: Breakup by Range (in Million US\$), 2024-2032

Table 5: Global: Autonomous Last Mile Delivery Market Forecast: Breakup by Application (in Million US\$), 2024-2032

Table 6: Global: Autonomous Last Mile Delivery Market Forecast: Breakup by Region (in Million US\$), 2024-2032

Table 7: Global: Autonomous Last Mile Delivery Market: Competitive Structure

Table 8: Global: Autonomous Last Mile Delivery Market: Key Players

List Of Figures

LIST OF FIGURES

Figure 1: Global: Autonomous Last Mile Delivery Market: Major Drivers and Challenges

Figure 2: Global: Autonomous Last Mile Delivery Market: Sales Value (in Billion US\$), 2018-2023

Figure 3: Global: Autonomous Last Mile Delivery Market Forecast: Sales Value (in Billion US\$), 2024-2032

Figure 4: Global: Autonomous Last Mile Delivery Market: Breakup by Platform (in %), 2023

Figure 5: Global: Autonomous Last Mile Delivery Market: Breakup by Solution (in %), 2023

Figure 6: Global: Autonomous Last Mile Delivery Market: Breakup by Range (in %), 2023

Figure 7: Global: Autonomous Last Mile Delivery Market: Breakup by Application (in %), 2023

Figure 8: Global: Autonomous Last Mile Delivery Market: Breakup by Region (in %), 2023

Figure 9: Global: Autonomous Last Mile Delivery (Aerial Delivery Drones) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 10: Global: Autonomous Last Mile Delivery (Aerial Delivery Drones) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 11: Global: Autonomous Last Mile Delivery (Ground Delivery Vehicles) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 12: Global: Autonomous Last Mile Delivery (Ground Delivery Vehicles) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 13: Global: Autonomous Last Mile Delivery (Hardware) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 14: Global: Autonomous Last Mile Delivery (Hardware) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 15: Global: Autonomous Last Mile Delivery (Software) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 16: Global: Autonomous Last Mile Delivery (Software) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 17: Global: Autonomous Last Mile Delivery (Services) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 18: Global: Autonomous Last Mile Delivery (Services) Market Forecast: Sales Value (in Million US\$), 2024-2032

- Figure 19: Global: Autonomous Last Mile Delivery (Short Range (Figure 20: Global: Autonomous Last Mile Delivery (Short Range (Figure 21: Global: Autonomous Last Mile Delivery (Long Range (> 20 Km)) Market: Sales Value (in Million US\$), 2018 & 2023
- Figure 22: Global: Autonomous Last Mile Delivery (Long Range (> 20 Km)) Market Forecast: Sales Value (in Million US\$), 2024-2032
- Figure 23: Global: Autonomous Last Mile Delivery (Logistics) Market: Sales Value (in Million US\$), 2018 & 2023
- Figure 24: Global: Autonomous Last Mile Delivery (Logistics) Market Forecast: Sales Value (in Million US\$), 2024-2032
- Figure 25: Global: Autonomous Last Mile Delivery (Healthcare and Pharmaceutical) Market: Sales Value (in Million US\$), 2018 & 2023
- Figure 26: Global: Autonomous Last Mile Delivery (Healthcare and Pharmaceutical) Market Forecast: Sales Value (in Million US\$), 2024-2032
- Figure 27: Global: Autonomous Last Mile Delivery (Food and Beverage) Market: Sales Value (in Million US\$), 2018 & 2023
- Figure 28: Global: Autonomous Last Mile Delivery (Food and Beverage) Market Forecast: Sales Value (in Million US\$), 2024-2032
- Figure 29: Global: Autonomous Last Mile Delivery (Retail) Market: Sales Value (in Million US\$), 2018 & 2023
- Figure 30: Global: Autonomous Last Mile Delivery (Retail) Market Forecast: Sales Value (in Million US\$), 2024-2032
- Figure 31: Global: Autonomous Last Mile Delivery (Other Applications) Market: Sales Value (in Million US\$), 2018 & 2023
- Figure 32: Global: Autonomous Last Mile Delivery (Other Applications) Market Forecast: Sales Value (in Million US\$), 2024-2032
- Figure 33: North America: Autonomous Last Mile Delivery Market: Sales Value (in Million US\$), 2018 & 2023
- Figure 34: North America: Autonomous Last Mile Delivery Market Forecast: Sales Value (in Million US\$), 2024-2032
- Figure 35: United States: Autonomous Last Mile Delivery Market: Sales Value (in Million US\$), 2018 & 2023
- Figure 36: United States: Autonomous Last Mile Delivery Market Forecast: Sales Value (in Million US\$), 2024-2032
- Figure 37: Canada: Autonomous Last Mile Delivery Market: Sales Value (in Million US\$), 2018 & 2023
- Figure 38: Canada: Autonomous Last Mile Delivery Market Forecast: Sales Value (in Million US\$), 2024-2032
- Figure 39: Asia-Pacific: Autonomous Last Mile Delivery Market: Sales Value (in Million US\$), 2018 & 2023

Figure 40: Asia-Pacific: Autonomous Last Mile Delivery Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 41: China: Autonomous Last Mile Delivery Market: Sales Value (in Million US\$), 2018 & 2023

Figure 42: China: Autonomous Last Mile Delivery Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 43: Japan: Autonomous Last Mile Delivery Market: Sales Value (in Million US\$), 2018 & 2023

Figure 44: Japan: Autonomous Last Mile Delivery Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 45: India: Autonomous Last Mile Delivery Market: Sales Value (in Million US\$), 2018 & 2023

Figure 46: India: Autonomous Last Mile Delivery Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 47: South Korea: Autonomous Last Mile Delivery Market: Sales Value (in Million US\$), 2018 & 2023

Figure 48: South Korea: Autonomous Last Mile Delivery Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 49: Australia: Autonomous Last Mile Delivery Market: Sales Value (in Million US\$), 2018 & 2023

Figure 50: Australia: Autonomous Last Mile Delivery Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 51: Indonesia: Autonomous Last Mile Delivery Market: Sales Value (in Million US\$), 2018 & 2023

Figure 52: Indonesia: Autonomous Last Mile Delivery Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 53: Others: Autonomous Last Mile Delivery Market: Sales Value (in Million US\$), 2018 & 2023

Figure 54: Others: Autonomous Last Mile Delivery Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 55: Europe: Autonomous Last Mile Delivery Market: Sales Value (in Million US\$), 2018 & 2023

Figure 56: Europe: Autonomous Last Mile Delivery Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 57: Germany: Autonomous Last Mile Delivery Market: Sales Value (in Million US\$), 2018 & 2023

Figure 58: Germany: Autonomous Last Mile Delivery Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 59: France: Autonomous Last Mile Delivery Market: Sales Value (in Million US\$),

2018 & 2023

Figure 60: France: Autonomous Last Mile Delivery Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 61: United Kingdom: Autonomous Last Mile Delivery Market: Sales Value (in Million US\$), 2018 & 2023

Figure 62: United Kingdom: Autonomous Last Mile Delivery Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 63: Italy: Autonomous Last Mile Delivery Market: Sales Value (in Million US\$), 2018 & 2023

Figure 64: Italy: Autonomous Last Mile Delivery Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 65: Spain: Autonomous Last Mile Delivery Market: Sales Value (in Million US\$), 2018 & 2023

Figure 66: Spain: Autonomous Last Mile Delivery Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 67: Russia: Autonomous Last Mile Delivery Market: Sales Value (in Million US\$), 2018 & 2023

Figure 68: Russia: Autonomous Last Mile Delivery Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 69: Others: Autonomous Last Mile Delivery Market: Sales Value (in Million US\$), 2018 & 2023

Figure 70: Others: Autonomous Last Mile Delivery Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 71: Latin America: Autonomous Last Mile Delivery Market: Sales Value (in Million US\$), 2018 & 2023

Figure 72: Latin America: Autonomous Last Mile Delivery Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 73: Brazil: Autonomous Last Mile Delivery Market: Sales Value (in Million US\$), 2018 & 2023

Figure 74: Brazil: Autonomous Last Mile Delivery Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 75: Mexico: Autonomous Last Mile Delivery Market: Sales Value (in Million US\$), 2018 & 2023

Figure 76: Mexico: Autonomous Last Mile Delivery Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 77: Others: Autonomous Last Mile Delivery Market: Sales Value (in Million US\$), 2018 & 2023

Figure 78: Others: Autonomous Last Mile Delivery Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 79: Middle East and Africa: Autonomous Last Mile Delivery Market: Sales Value (in Million US\$), 2018 & 2023

Figure 80: Middle East and Africa: Autonomous Last Mile Delivery Market: Breakup by Country (in %), 2023

Figure 81: Middle East and Africa: Autonomous Last Mile Delivery Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 82: Global: Autonomous Last Mile Delivery Industry: SWOT Analysis

Figure 83: Global: Autonomous Last Mile Delivery Industry: Value Chain Analysis

Figure 84: Global: Autonomous Last Mile Delivery Industry: Porter's Five Forces Analysis

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