

# **Global Robotaxi Market Size study & Forecast, by Propulsion Type (Electric Vehicle, Hybrid Electric Vehicle, Fuel Cell Vehicle), by Application (Passenger, Goods), by Component Type (LiDAR, RADAR, Camera, Sensor) and Regional Analysis, 2023-2030**

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## **Abstracts**

Global Robotaxi Market is valued at approximately USD XX billion in 2022 and is anticipated to grow with a healthy growth rate of more than XX% during the forecast period 2023-2030. Robotaxi is a fully autonomous or self-driving taxi service where vehicles operate without a human driver. These vehicles are equipped with advanced sensors, cameras, radar, lidar, and artificial intelligence to navigate and make decisions about driving, without the need for human intervention. The key factors driving the market growth are the growing acceptance and popularity of ride-sharing services, the cost efficiency of autonomous taxi services, and the growing adoption of autonomous vehicles that are anticipated to support the market growth during the forecast period 2023-2030.

Additionally, the growing adoption of autonomous vehicles plays a crucial role in supporting the growth of the Robotaxi Market. As autonomous vehicle technology matures, it becomes more reliable and safer. This maturation process builds trust among consumers and regulators, facilitating the acceptance of autonomous vehicles for use in services such as Robotaxis. According to Statista, the number of autonomous cars in 2019 was 31.4 million units; in 2022, the number reached 43.57 million units, and it is anticipated to reach 54.2 million by 2024. As a result, the rising demand for autonomous vehicles is anticipated to create a lucrative demand for the market. Moreover, growing advancements in autonomous technology, and the development of smart cities are anticipated to create lucrative opportunities for the market. However, the high R&D cost for implementation and cybersecurity threats stifles market growth

throughout the forecast period of 2023-2030.

The key regions considered for the Global Robotaxi Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market in 2022 owing to the continuous advancements in sensor technology, Favorable regulatory environments and supportive policies, and public and private sectors investing heavily in research and development, infrastructure, and pilot programs to support the growth of autonomous vehicle technologies, including Robotaxis. Whereas, the Asia Pacific is expected to grow with the fastest growth rate over the forecast period, owing to factors such as rapid urbanization, supportive government regulations, and growing investment in smart city projects.

Major market player included in this report are:

Tesla Inc. (U.S.)

Waymo LLC (U.S.)

Aptiv (Ireland)

Uber Technologies Inc. (U.S.)

Cruise LLC (U.S.)

Lyft, Inc (U.S.)

Baidu, Inc (China)

Didi Chuxing Technology Co (China)

Zoox, Inc (U.S.)

AutoX, Inc (U.S.)

Recent Developments in the Market:

In July 2021, AutoX introduced its Gen5 autonomous mobility self-driving system, a cutting-edge platform tailored for self-driving vehicles. Powered by NVIDIA DRIVE automotive-grade GPUs, the system achieves an impressive AI

compute performance of up to 2,200 trillion operations per second. This unveiling marks a significant advancement in AutoX's global initiative to deploy more efficient and secure autonomous transportation solutions.

#### Global Robotaxi Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered – Propulsion Type, Application, Component Type, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope\*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Propulsion Type:

Electric Vehicle

Hybrid Electric Vehicle

Fuel Cell Vehicle

By Application:

Passenger

Goods

By Component Type:

LiDAR

RADAR

Camera

Sensor

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

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